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Undergraduate Catalog



2023-2024 UNDERGRADUATE CATALOG



General Information

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Frequently Asked Questions

Where do I begin?

The Office of Enrollment Services will help you begin your higher education experience at Valley City State University. Call Enrollment Services at (701) 845-7101 or (800) 532-8641, extension 7101. You may also contact Enrollment Services by email at enrollmentservices@vcsu.edu (enrollment.services@vcsu.edu).

Do I qualify for admission to the university?

Valley City State University requires students to complete a core group of high school courses to be eligible for admission

as a freshman and a minimum GPA as a transfer applicant.

There is no minimum ACT/SAT score required. Refer to the Enrollment Services section of this catalog (p. 11) for details.

How do I start the admission process? Are there any deadlines?

Your first step in applying to the university is to complete the application for admission. The online application can be found at [apply.vcsu.edu](https://www.vcsu.edu/admissions/apply/) (<https://www.vcsu.edu/admissions/apply/>). If a paper application is needed, please visit the Enrollment Services Office website (<https://www.vcsu.edu/enrollmentservices/>). Although there isn't an official application deadline, there are scholarship and financial aid deadlines, as well as residence hall room availability that may be jeopardized by applying late. Apply as soon as you are able. The \$35 application fee may be paid online also or sent through the mail.

How much is it going to cost?

Your cost depends on where you come from. For complete cost structures, visit the Business Office website (<https://www.vcsu.edu/about-vcsu/offices/business-office/>).

Am I eligible for financial aid?

The first step to applying for financial aid is to complete the Free Application for Federal Student Aid (FAFSA) at studentaid.gov (<https://studentaid.gov/h/apply-for-aid/fafsa/>), VCSU's code is 003008.

Am I eligible for scholarships?

Valley City State University offers numerous scholarships to new and returning students. Scholarship eligibility for new students is based on your high school GPA, class rank, and ACT or SAT scores or college GPA for transfer students. Scholarships for returning students are based primarily on the GPA earned at VCSU. For more information on scholarships, new students should contact Enrollment Services and returning students should contact the Office of Financial Aid.

I want to become a teacher. Who do I talk to?

There are a number of sources to help you examine the teaching profession. You may contact the Office of Enrollment Services or the School of Education and Graduate Studies at VCSU to learn about our program and the profession. You may also visit with your high school teachers to gain insight into the profession.

Do I have to pay the technology fee even if I own my own computer?

Yes. The technology fee pays for more than just the computer. You are given access to the internet, your own email account and software. The help desk is available to you as well. This, plus maintenance of the network, printers and paper are provided through this fee. Having all students on the same software/hardware platform creates a powerful environment to support teaching and learning.

Do I have to live on campus?

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VCSU requires all freshmen to reside on campus and be on the board plan. We have found that the residence halls provide a unique living experience that is a key ingredient to the total educational program. The residence halls provide a wide variety of educational, cultural, and social programs through out the academic year.

How do I get an academic advisor?

The Office of Student Academic Services coordinates academic advising. You will be assigned an advisor according to your academic interest.

Is there an orientation program?

Yes. If you are starting the fall semester, you will have the opportunity to register for classes during new student orientation in the spring or summer. You will be contacted by the university to sign up for your date of preference. The fall opening activities weekend begins the Friday before the start of classes with activities ranging from Notebook Computer Distribution to social activities, floor meetings with your RA, and group events to help you feel confident on campus. The orientation program continues throughout the fall semester in your Learning to Live, Living to Learn class, which covers topics related to the college and life experiences.

My computer knowledge is limited. Are training opportunities available?

When new students are issued a notebook computer, they take a short Care/Use of Notebook Computer class to learn about basic features of the notebook computer. It is recommended that students take CIS 170 Introduction to Computer Information Systems during their first semester on campus to gain the skills necessary for maximizing the benefit of the notebook in their coursework. Help Documents are also available online to provide quick learning guides for the software and network services available at VCSU.

How do I get my VCSU transcripts?

Valley City State University provides official transcript ordering online. Current and former students with online CampusConnection access may order official transcripts in Self Service. Individuals without a CampusConnection account may order directly from the National Student Clearinghouse (<https://secure.studentclearinghouse.org/tsorder/faces/TOBridge/>).

How To Use This Catalog

This catalog is one of many tools you'll use while a student at Valley City State University. Like any good tool, it's best used when you keep it available, particularly when questions arise. The policies and procedures that govern your progress to a college degree are defined by the catalog in force when you enter VCSU. So we've taken every effort to provide you the most current information about courses and degree requirements. Despite this effort, policies do change. That is why we expect you to consult with your academic advisor (a faculty member assigned to you or chosen by you) routinely.

We also recognize that your goals change. As you explore new ideas, and these ideas either confirm your goals or lead you to new ones, please see your advisor. If there is one phrase you'll hear often, it will be, "see your advisor."

A college education is an experience directed by you. Ultimately, you are responsible for the decisions made about your education. A faculty advisor is just that, an advisor. Seeking guidance from more than one person is also some advice we hope you take seriously. That is why we have counselors available in Career Services, in Student Academic Services, and in the Academic Departments. VCSU prides itself on being learner-centered, and good advising is at the heart of this. Remember, it's still up to you to use it wisely.

To help you we've provided some suggestions to make this catalog work best for you:

Identify the department of your intended major.

Each major has a department from which the major's specified courses are designed, approved, and taught.

Identify general education requirements.

Some refer to this as the "generals" or "basics." All students must complete these courses. Refer to the general education (p. 24) section of this catalog for more details. Refer also to the section about your major to identify the specified general education requirements for your major.

Identify the coursework required for your intended major.

This information can be found on the catalog page describing your major. Work closely with your advisor to put together an academic plan. With your advisor, you are able to plan each term at VCSU well in advance.

All students must complete a digital portfolio or a capstone project in order to graduate.

See your advisor or consult the university web page describing the student requirements for the academic department of your major.

Some classes are not offered every term.

Many courses are offered alternate years or only one semester each year. Find out when a required or recommended course is offered. Plan accordingly.

If you are an athlete, check with coaches about eligibility rules and academic progress.

There are NAIA policies that apply to athletes that don't apply to the general student body, so it is important to know them as you take courses.

Know the procedures and deadlines for applying for financial aid.

The federal financial aid program has deadlines and procedures that allow students the best opportunity for available aid. For more information check the financial aid (<https://www.vcsu.edu/financialaid/>) section.

Equal Access/Equal Opportunity

Valley City State University is committed to nondiscrimination in its educational policies and employment practices as required by law, specifically Title VII of the Civil Rights Act of 1964, as amended, Title I and Title V of the Americans with Disabilities Act of 1990, the Age Discrimination in Employment Act of 1967, the Equal Pay Act of 1963, and Title II of the Genetic Information Nondiscrimination Act of 2008. The university has given assurance of compliance with these regulations and subsequent amendments. The university will seek prompt and equitable resolution of allegations of discrimination, or retaliation for allegations. Discrimination for this policy includes allegations relating to race, religion, color, national origin, sex (including pregnancy and nursing mothers), age, marital status, physical or mental disability, equal pay, genetic information, and of allegations relating to sexual harassment. This procedure is in compliance with state and federal regulations.

With regard to Equal Employment Opportunity, the university will implement employment practices that exceed the minimal expectations of the law.

Inquiries concerning compliance may be directed to the following:

Title IX Coordinator

Kaleen Peterson, Director for Student Academic Services
McFarland Hall 322B
701-845-7302

Office of Civil Rights

U.S. Department of Education
John C. Kluczynski Federal Building
230 S Dearborn Street, 37th Floor
Chicago, IL 60604

Title 38 US Code 3679

In accordance with Title 38 US Code 3679 subsection (e), this school adopts the following additional provisions for any students using U.S. Department of Veterans Affairs (VA) Post 9/11 G.I. Bill® (Ch. 33) or Vocational Rehabilitation & Employment (Ch. 31) benefits, while payment to the institution is pending from the VA. This school will not:

- Prevent the student's enrollment;
- Assess a late penalty fee to the student;
- Require the student to secure alternative or additional funding;
- Deny the student access to any resources (access to classes, libraries, or other institutional facilities) available

to other students who have satisfied their tuition and fee bills to the institution.

However, to qualify for this provision, such students may be required to:

- Produce the VA Certificate of Eligibility (COE) by the first day of class;
- Provide a written request to be certified

Reservation of Rights

The editors have made every effort to provide accurate information in this catalog. Nevertheless, policies and information that the volume contains may have changed by the time of publication. The reader is therefore advised to consult the appropriate university office or department for any possible revisions.

Disclaimer

Catalogs and bulletins of educational institutions are prepared by faculty committees or administrative officers for the purpose of furnishing prospective students and other interested persons with information about the institution.

Information contained in such printed material is subject to change without notice and may not be regarded in the nature of binding obligations on the institutions and the state. In times of changing conditions it is especially necessary to have this definitely understood. Therefore, the State Board of Higher Education makes this announcement in all catalogs and bulletins of information being issued by the state educational institutions of the North Dakota University System.

The right is reserved to change any of the rules and regulations of the university at any time, including those relating to admission, instruction, and graduation. The right to withdraw curricula and specific courses, alter course content, change the calendar, and to impose or increase fees similarly is reserved. All such changes are effective at such times as the proper authorities determine and may apply not only to prospective students, but also to those who already are enrolled in the university.

The University



Recognized as one of the top public regional colleges in the Midwest and one of America's "Best Colleges" for 25 consecutive years by U.S. News, VCSU is an academically driven, student-centered university.

VCSU offers more than 65 undergraduate programs in art, business, communication arts, computer systems and software engineering, education, kinesiology and human performance, language and literature, mathematics, music, science, social science, and technology education.

Valley City State University holds the title for the best elementary education program in the country, outranking non-profit public and private schools. Founded in 1890 as a teacher's college, VCSU has held fast to its heritage and maintains an outstanding reputation for developing some of the finest K – 12 educators in the region.

In early 2022, VCSU also added a Master of Science (M.S.) in Business Information Systems as a response to changing economic outlooks and workforce needs. VCSU also offers online Master of Education (M.Ed.) and Master of Arts in Teaching (M.A.T.) degree programs.

By providing full-time students with their own laptop, VCSU has remained committed to accessible, technology-driven educational opportunities for all students. Adapting educational technology and teaching methods has ensured all students receive a high-impact learning experience no matter their location or ability.

Valley City State's 55-acre campus is bordered on the south by a forested hillside and on the north by the Sheyenne River. The campus architecture marries historic and modern buildings to create one of the most beautiful campuses in North Dakota. The central campus is listed on the National Register of Historic Places as a Historic District, cementing VCSU's place in North Dakota history.

Located in Valley City, a town of 6,500 people located along the Sheyenne River, is a 45-minute commute from Fargo. VCSU is one of the largest employers in the region, having a large economic impact on the community.

Fully accredited by the Higher Learning Commission, VCSU was credited with a healthy, forward-looking culture with academic and strategic growth potential. VCSU is one of 11 institutions in the North Dakota University System (NDUS).

VCSU Mission and Vision



VCSU Mission

Valley City State University is a public, regional university offering exceptional programs in an active, learner-centered community that promotes meaningful scholarship, ethical service, and the skilled use of technology. As an important knowledge resource, the University offers programs and outreach that enrich the quality of life in North Dakota and beyond. Through flexible, accessible, and innovative baccalaureate and master's programs, VCSU prepares students to succeed as educators, leaders, and engaged citizens in an increasingly complex and diverse society.

VCSU Vision

As an innovative university, we deliver distinctive, learner-centered experiences.

University Purposes

- Deliver a quality educational experience in an engaging, innovative culture and a technology-enhanced environment.
- Serve the best interests of our students, region, and society.
- Lead effectively in applying information media technologies for learning.
- Promote an appreciation of diversity and inclusion to enrich the quality of thought, discussion, and learning.
- Award degrees in education, business, and the liberal arts and sciences.

Core Values

- **Student-Focused:** We place students at the center of all discussions.
- **Innovative:** We try new things to help create the future.
- **Learning-Centered:** We develop and sustain a culture of lifelong learning.
- **Collaborative:** We work synergistically to advance our mission.
- **Engaged:** We actively participate in the work of the university.

Accreditation

Valley City State University is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools (NCA), the Council for the Accreditation of Educator Preparation (CAEP), and the National Association of Schools of Music (NASM). The Community School of the Arts is a certified member of the National Guild of Community Schools of the Arts.

The Higher Learning Commission (<https://www.hlcommission.org/>)
230 South LaSalle Street, Suite 7-500
Chicago, IL 60604-1411

Council for the Accreditation of Educator Preparation (<http://caepnet.org/>)
1140 19th Street NW, Suite 400
Washington, DC 20036

National Association of Schools of Music (<https://nasm.arts-accredit.org/>)
11250 Roger Bacon Drive, Suite 21
Reston, VA 20190-5248

Valley City State University is a member of the National Association of Intercollegiate Athletics and the North Star Athletic Association.

National Association of Intercollegiate Athletics (<http://www.naia.org/>)
120 W 12th Street, Suite 700
Kansas City, MO 64105

Complaint Compliance

Valley City State University is committed to providing a high quality educational experience, fully supported by a range of academic and administrative services. It is our intention to meet the students' educational goals through a positive and rigorous academic experience. In an instance where the student has a concern, it may be voiced through the normal administrative procedures which include meeting with his or her academic advisor, faculty member, or the Director of Student Academic Services. If the student decides to pursue a formal complaint, the process is outlined in the Student Handbook.

To pursue state level resolution, contact Lisa Johnson at (701) 858-3494 or email (lisa.a.johnson@ndus.edu).

Continuing Education Online Providers

Ed2Go Courses

Ed2Go (Education To Go) is a leading provider of online continuing education—offering more than 250 non-credit and more than 50 credit-bearing courses taught online by expert instructors. Ed2Go has partnered with Valley City State University to offer these courses.

CE Credits Online

CE Credits Online is a nationwide provider of university-accredited, high-quality, standards-based, online continuing education courses that focus on improving teaching and student achievement. CE Credits Online curricula is content-rich and abundant with research-based strategies to improve classroom and school environments, to move educators to intentional best practice, and to improve student achievement. Valuable for new and experienced teachers, teams, leads, mentors and administrators (K-12).

Model Teaching

Valley City State University offers graduate-level professional development courses for semester credits in partnership with Model Teaching. Model Teaching provides affordable online courses for K-12 educators across the country. Each Model Teaching course delivers content in a step-by-step format, provides printable resources ready for use, and supports actionable implementation through engaging activities. When you register with a Model Teaching course, you can start immediately and work entirely online and at your own pace.

Next Gen Personal Finance (NGPF)

Valley City State University offers graduate professional development credit in conjunction with Next Gen Personal Finances (NGPF). NGPF is providing teacher professional development coursework to promote personal finance education in your high school curriculum. Courses can be accessed at any time, worked on at your convenience, and are easy to navigate. Collaborate with teachers and build your confidence in 1-hour Virtual PDs, 10-hour Certification Courses, and 1-hour On-Demand Modules.

NDUS-Recognized Centers

North Dakota University System Board-Recognized Centers



Don Mugan Career and Technical Education Leadership Center

Director: Richard Ross

Valley City State University
Vangstad 113
(701) 845-7182

mugan.vcsu.edu (<http://mugan.vcsu.edu>)

The mission of the Don Mugan Career and Technical Education Leadership Center is to recruit and retain high quality teachers and administrators in career and technical education. The center supports career and technical education by providing training for new teachers in the field, as well as providing professional development opportunities to retain and keep our CTE teachers and administrators current in their professions.

Great Plains STEM Education Center

Director: Jamie Wirth, Ph.D.

Valley City State University
Rhoades Science Center 132A
(701) 845-7734
jamie.wirth@vcsu.edu

Coordinator: Jason Dockter, M.Ed.

Valley City State University
McCarthy Hall 156B
(701) 845-7447
jason.dockter@vcsu.edu
stem.vcsu.edu (<http://stem.vcsu.edu>)

The Great Plains STEM Education Center's goal is to bring North Dakota to the forefront of STEM education.

The center's role is to provide leadership, professional development for teachers and administrators, documentation of STEM education competence through endorsements that appear on licenses and certificates that appear on transcripts, promote student STEM experiences, and connect with the larger community.

Prairie Waters Education and Research Center

Director: Andre DeLorme

Education Specialist: Bonita Roswick
(701) 845-7570

www.vcsu.edu/prairiewaters/ (<https://www.vcsu.edu/academics/academic-centers/prairie-waters-education-research-center/>)

The Prairie Waters Education and Research Center provides environmental education opportunities on water issues for K-12 students, college students, teachers and natural resource professionals in North Dakota. In addition it provides research opportunities for VCSU students.

Articulations

VCSU has agreements with a variety of schools throughout North Dakota. Students can often complete their two-year degrees and articulate courses to fulfill earning a four-year degree at VCSU. A complete list of agreements can be found at <https://onestop.vcsu.edu/support/solutions/articles/10000052926> (<https://onestop.vcsu.edu/support/solutions/articles/10000052926/>). Some of the agreements include the following:

Career and Technical Education Articulations

VCSU has agreements with the following colleges for the purpose to facilitate credit transfer and provide smooth transition from one related degree program to another:

- Bismarck State College
- Dakota College at Bottineau
- Lake Region State College
- North Dakota State College of Science
- Williston State College

Bottineau (DCB) Nursing Program

VCSU has an agreement with the Dakota College at Bottineau through the Dakota Nursing Program that allows students to earn their Practical Nurse (PN) and/or Associate Degree Nursing (ADN) right here in Valley City. Under the program, VCSU's pre-nursing curriculum provides the coursework for these students to meet their general education requirements, and they receive their classroom instruction in nursing via Interactive Video Network (IVN) from Dakota College at Bottineau. Clinical practice opportunities for these students are available through several local healthcare facilities in the Valley City area.

AAS at VCSU

In collaboration DCB, VCSU students may complete the following AAS degrees: Caregiver, Medical Assistant and Paraeducation.

Bridges Program

The Bridges Program is a collaborative program offered by Dakota College at Bottineau (DCB) and Valley City State University (VCSU).

This program is available to students who are not eligible for admission at VCSU but want to attend college, pursue a four-year degree, and remain in the Valley City area. These applicants can apply to the Bridges program where they become DCB students located on the VCSU campus.

After the completion of 24 credits, the students will then transfer to VCSU and complete a four-year degree.

NDSU Elementary Education

VCSU partners with North Dakota State University in delivering its Elementary Education programs in Fargo.

UND Bridges—Bridge to Master's

The Graduate School of the University of North Dakota (UND), Grand Forks, N.D., and Valley City State University (VCSU) have developed a partnership allowing VCSU senior level students to gain advanced standing in the master's degree program at UND. The Bridge to the Master's of Business Administration degree program provides highly qualified VCSU students the opportunity to work toward the MBA degree offered by the University of North Dakota while completing their undergraduate degree requirements at Valley City State University.

Wyoming Community Colleges Education Programs

In 2008, VCSU signed an articulation agreement with Northwest College (Powell, WY) that offers students in Wyoming the opportunity to complete VCSU's Elementary Education, Technology Education, English Education and History Education degree programs via distance learning. The agreements address an unmet demand for Elementary, English and History Education degree opportunities throughout the state.

An Associates in Arts or Science will transfer as a block fulfilling all general education requirements.

Other Wyoming community colleges partnering with VCSU include Casper College, Central Wyoming College, Eastern Wyoming College, Laramie County Community College, and Western Wyoming Community College.

Undergraduate Admissions

Office of Enrollment Services McFarland Hall 2nd Floor 218 Director

Erin Heide
(800) 532-8641 extension 37113
(701) 845-7113

Admission Specialist

Jacob Frey
(800) 532-8641 extension 37101
(701) 845-7101
[http://\(https://www.vcsu.edu/admissions\)/www.vcsu.edu/enrollmentservices/](http://(https://www.vcsu.edu/admissions)/www.vcsu.edu/enrollmentservices/)

Undergraduate Application Procedures

Applicants are admitted to study at Valley City State University on the basis of academic and personal qualifications, consistent with the admission policies established for all public colleges and universities in the state.

Students not meeting these guidelines will be evaluated on an individual basis.

Freshman Students

A first-year student is one who has not attended a postsecondary institution after having graduated from high school.

Guidelines

1. High school GPA (unweighted) 2.00 on a 4.00 point scale
2. ACT/SAT test scores encouraged but not required to submit. Waived by NDUS through summer 2023 term.
3. College Preparatory Core Courses completion¹
 - a. 4 units of English
 - b. 3 units of Math, Algebra I and above
 - c. 3 units of Lab Science
 - d. 3 units of Social Science

¹ If you are 25 years or older on the first day of classes, you are exempt from these requirements. It is highly encouraged that if you have ACT/SAT scores, you submit them to Enrollment Services for proper placement into math and English courses.

Process

Students must submit the following:

1. A completed application for admission at <http://www.apply.vcsu.edu>.
2. A non-refundable fee of \$35.

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3. Official high school transcript or proof of successful completion of the General Education Development Test (GED)².
4. Verification of immunization of MMR and Meningococcal (MenACWY) with a booster at the age of 16 years old³.
 - a. Presenting proof of two doses of measles, mumps, and rubella vaccine no less than 1 month apart.
 - b. Presenting proof of a positive serologic test for measles.
5. Official results of the American College Test (ACT) or Scholastic Aptitude Test (SAT) test scores (unless the applicant is 25 years or older). The ACT writing test is not required. **This is waived by the North Dakota University System through the summer 2023 term.**
6. Official College Transcripts if the student took course work at colleges or universities while enrolled in high school. To be considered official, the transcript must be sent directly to VCSU from the issuing institution. Transcripts can be sent at the completion of all college course work and are not necessary to make an initial admission decision.

² If you took the GED in 2014 or later, you must have an overall GED score of 145 or greater.

³ Exceptions to this policy may be granted for medical reasons (certified by a licensed physician) or religious or philosophical objections. Access form (<https://onestop.vcsu.edu/support/solutions/articles/10000058694-immunization-exemption-form/>). This policy applies to all students, except online students. For on-campus students, the report must be on file with Enrollment Services in order to be officially admitted.

Transfer Students

A transfer applicant is defined as any student who has previously attended one or more post-secondary institutions after having completed high school. In order to be considered for admission, transfer applicants must:

Guidelines

1. Be in good standing (not on dismissed or suspended status) at the most recent institution attended
2. Have a minimum cumulative GPA of 2.00 on a 4.00 scale

Transfer applicants who do not meet these requirements may be evaluated on an individual basis.

Process

1. A completed Application for admission at <http://www.apply.vcsu.edu>.
2. A non-refundable fee of \$35.00.
3. Official transcript of all previous academic work from each institution attended by the applicant. Transfer credits are evaluated by the Registrar's Office and are available to review by signing into campus connection (student portal). Students may contact the Department Chair or Dean if clarification is needed.
4. Verification of immunization (MMR & Meningococcal(MenACWY)).¹ See item four under process for Freshman (p. 11) students.

5. An official copy of the high school transcript or GED results (see Freshman (p. 11) section for GED details). This is not required of applicants who have completed 24 or more semester (36 quarter) hours of transferable credit.
6. Results of the American College Test (ACT) or the Scholastic Aptitude Test (SAT). **This is waived by the North Dakota University System through the summer 2023 term.** This is not required of applicants who have completed 24 or more semester (36 quarter) hours of transferable credit.

The North Dakota University System (NDUS) has developed a general education transfer agreement to assist students who transfer within the NDUS. Click on the "Students" link at ndus.edu (<https://ndus.edu/lets-get-started/transfer-to-a-different-campus/gerta/>) for details on the General Education Requirements Transfer Agreement (GERTA).

¹ Exceptions to this policy may be granted for medical reasons (certified by a licensed physician) or religious or philosophical objections. Access **form**. This policy applies to all students, except online students. For on-campus students, the report must be on file with Enrollment Services in order to be officially admitted.

Canadian Students

Canadian students need to submit the following:

1. A Financial Certification Statement, which shows proof of finances available for study in the United States. The form can be found online at www.vcsu.edu/international/ (<https://onestop.vcsu.edu/support/solutions/10000049754/>).
2. A \$100 non-refundable tuition deposit. The tuition deposit is applied to the student's account.
3. An International Express mail fee for the I-20 to be issued for successful border crossing.
4. Copy of the passport.

In addition, **Freshman** and **Transfer** applicants from Canada should follow the applicable requirements outlined for their student type.

International Students

International students need to submit the following, including required deposits, by the dates below:

- Fall Semester May 1
- Spring Semester October 1
- Summer Term March 1

NOTE: Because of limited services available, a summer session start term is not recommended.

Process

1. A completed application for admission at www.apply.vcsu.edu.
2. A non-refundable fee of \$35 (USD).
3. Verification of immunization of MMR and Meningococcal (MenACWY) with a booster at the age of 16 years old. See **Freshman** section for details.

4. Official Test Scores from TOEFL (Test of English as a Foreign Language) if your country's native language is not English. The minimum required TOEFL score on the paper-based test (PBT) is 523, 68 for the internet-based test (iBT), or 6.0 for the international English Language Testing System (IELTS). Scores must be set directly from the testing center to Valley City State University. Information on the TOEFL can be found at www.ets.org (<http://www.ets.org>).
5. Official academic transcript used for admission purposes or for the evaluation of credit to be transferred must be translated into English and must be official records bearing a signature of the appropriate official from the institution and the institution's seal.
 - a. The evaluation firm VCSU recommends using is InCRED (International Credential Evaluations). The Comprehensive Course by Course Evaluation is required of international students wishing to transfer credits into VCSU, otherwise a Basic Evaluation can be requested. It is the student's responsibility to pay the required fee for this service. Details and instructions can be found at <http://www.incredevals.org>.
6. Students seeking credit for transfer work from a United States institution must complete the following:
 - a. Have official academic transcript sent directly to the Office of Enrollment Services from all U.S. institutions previously attended.
 - b. Complete the VCSU Supplemental Information Form (<https://onestop.vcsu.edu/support/solutions/10000049754/>) for International Transfer Applicants (to be completed by the applicant's present or most recent foreign student advisor).
 - c. Meet all admission requirements and demonstrate maintenance of immigration status at the previous school.
 - d. Request that the institution most recently attended complete the transfer requirement within SEVIS.
7. Proof of finances available to meet all educational, living, and travel expenses for the entire period of time the student attends the University including vacation periods.
 - a. The VCSU International Student Financial Statement (<https://onestop.vcsu.edu/support/solutions/10000049754/>) must be completed.
 - b. Official documents indicating regular income and/or an account balance of the most recent six months supporting the amounts listed on the financial statement.
8. Pay a \$100 non-refundable tuition deposit (the tuition deposit is applied to the student's account).
9. All international students (except citizens from approved countries providing a national health plan) are required to purchase the health insurance policy specified by the state of North Dakota. The premium cost will be added to the student's fees at the time of registration.
10. Copy of passport.
11. Pay an International Express mailing fee for the I-20 to be issued.
12. Tuberculosis (TB) testing is required of new students from all countries except those classified by United States health officials as low risk for tuberculosis.

More information on whether or not your country is exempt can be found on the World Health Organization website (<https://www.who.int/teams/global-tuberculosis-programme/data/>). TB Screening Form (<https://onestop.vcsu.edu/support/solutions/articles/10000062565/>)

NOTE: In accordance with North Dakota State Board of Higher Education policy, all first-time VCSU international students must have a Mantoux skin test for tuberculosis prior to enrolling in and attending class. Some exceptions apply. Contact Enrollment Services for details.

Non-Degree Students

A non-degree student does not intend to earn a degree from VCSU but would like to enroll in (a) course(s). A non-degree applicant requires the following:

Process

1. Application for admission at www.apply.vcsu.edu (<https://www.vcsu.edu/admissions/apply/>).
2. A nonrefundable fee of \$35

If looking to complete a **certificate**, submit transcript(s) that may have courses that apply.

Non-degree students are NOT eligible for financial aid programs.

A maximum of 16 credits may be taken as a non-degree student, at which time the student must apply as a freshman or transfer student in order to take additional courses.

Non-degree status should not be confused with being undecided nor be used as a method to avoid admission requirements of any other admit type.

Early Entry Students

Early Entry allows high school students to take courses at VCSU while completing their high school graduation requirements. Students who are in their sophomore year of high school and have earned a cumulative grade point average of 3.00 or higher are ideal candidates for the program.

The following materials must be submitted to the Office of Enrollment Services:

1. Application for admission at www.apply.vcsu.edu.
2. A non-refundable fee of \$35 (this fee will not have to be paid again at the time of freshman application)
3. A completed Early Entry Form, which includes a recommendation from the high school principal as well as permission from a parent or guardian (the form can be found online at www.vcsu.edu/enrollmentservices (<http://www.vcsu.edu/enrollmentservices/>))

Returning Students

If a student has been away from VCSU for one regular semester or more they must submit:

1. A completed Returning Student form (which can be found at <http://myweb.vcsu.edu/registrar/>).

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2. A \$35 application fee if the student did NOT pay the fee previously.
3. Official transcripts must be provided if the student has attended one or more colleges since leaving VCSU.

Dakota College Programs at VCSU



VCSU has partnered with Dakota College at Bottineau to offer several associate degree and college preparation programs on the VCSU campus. The opportunities created by this partnership are an ideal solution for working adults and students in the Valley City area who would like to earn a degree around their busy schedule.

Associate degrees can be completed in two years and provide the skills necessary for specific career areas, so they are a great fit for anyone looking to earn a credential that lands them a challenging and rewarding career.

General education courses taken through either campus will count toward a degree plan at both campuses.



Bridges Program

The Bridges Program is a collaborative program offered by Dakota College and Valley City State University for students who are not eligible for admission at VCSU but want to attend college, pursue a four-year degree, and remain in the Valley City area.

Students apply to DCB to become a part of the Bridges Program. After the completion of 24 credits and required GPA, the students will then transfer to VCSU and complete a four-

year degree. To learn more about the Bridges Program visit www.vcsu.edu/bridges (<http://www.vcsu.edu/bridges/>).

Bridges Program students can fully participate in VCSU's student life, housing, dining services, organizations, facility usage and activities (excluding varsity sports). This strengthens students' academic foundation to help them succeed in a four-year setting.



DCB Academic Programs

Caregiver Services (A.A.S./Diploma)

The Caregiver Program has two options. The CHILD option (diploma) focuses on services for children, and the ADULT option (A.A.S.) focuses on services for the elderly and disabled.

Medical Assistant (A.A.S.)

Medical Assistants are multi-skilled professionals who work in health care settings and perform administrative and clinical procedures.

Practical Nurse (Certificate)

This program prepares students to take the state board exams to become a licensed practical nurse (LPN).

Associate Degree Nurse (A.D.N.)

This program prepares students to take the state board exams to become a Registered Nurse (RN).

Paraprofessional Education (A.A.S.)

Paraeducators are employed as teacher assistants in early childhood, special education, elementary and secondary schools.

Steps to Enroll in a DCB Program

1. Complete a DCB application for admission by visiting the following link: www.dakotacollege.edu/admissions (<https://www.dakotacollege.edu/admissions-financial-aid/how-apply/>).
2. Submit a \$35 application fee to: Dakota College at Bottineau, 105 Simrall Blvd., Bottineau, ND 58318
3. Submit the following records: immunization records (MMR & meningitis), ACT or Accuplacer test scores.
4. Submit the VCSU housing application online and \$50 deposit fee to the VCSU Housing Office.

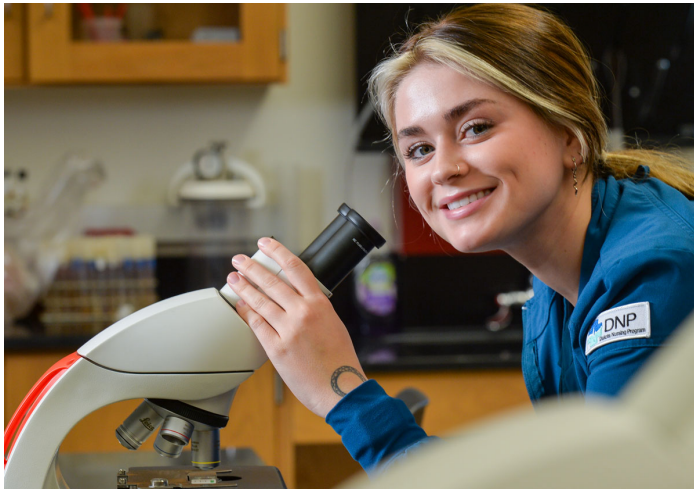
For general information on DCB programs at VCSU, visit www.vcsu.edu/bridges (<http://www.vcsu.edu/Bridges/>).

Contact Information

Melissa Remick - Coordinator, Bridges Program
bridges@vcsu.edu
(701) 845-7490

Nursing at VCSU

Preparing for a Nursing Career at VCSU



If you are interested in pursuing a Bachelor of Science degree in Nursing, you can take the pre-nursing coursework on our campus as a VCSU student. Students can have the college experience with one-on-one attention for the general education prerequisites after which you will transfer to a nursing program of your choice to finish the bachelor's degree and take your exams to become a licensed Registered Nurse (RN).



A Bachelor of Science degree in Nursing is ideal for students that want to go into professional nursing and see themselves in leadership roles. The BSN's scope includes care in cardiac, oncology, neonatal, neurological and obsetric/gynecological nursing, along with others. The BSN is commonly preferred for registered nursing jobs in a hospital setting and essential for nurses seeking to move up the career ladder because

they have a broader liberal arts education preparing them for more advanced leadership roles. If you are thinking about continuing your education to become an advanced practitioner, a BSN is required. This also includes nurse anesthetists, midwives, nurse educators and clinical nurse specialists.

Pre-nursing Coursework offered by VCSU

- BIOL 150 General Biology I -4 credits
- BIOL 220 Anatomy and Physiology I -4 credits
- BIOL 221 Anatomy and Physiology II -4 credits
- BIOL 310 Microbiology -4 credits
- CHEM 115 Introductory Chemistry -4 credits
- CHEM 116 Intro Organic and Biochemistry -5 credits
- CIS 170 Intro to Computer Information Systems -2 credits
- COMM 110 Speech -3 credits
- ENGL 110 College Composition I -3 credits
- ENGL 120 College Composition II -3 credits
- Humanities/Social Science Electives -9 credits
- MATH 103 College Algebra -2 credits
- MATH 321 Probability & Statistics -3 credits
- PSYC 111 Introduction to Psychology -3 credits
- PSYC 250 Developmental Psychology -3 credits
- PSYC 370 Abnormal Psychology** -3 credits
- SOC 110 Intro to Sociology -3 credits

**Course not offered at VCSU, but can be taken online through another NDUS school **Some BSN programs require this class*



Faculty Contact

Dr. Hilde van Gijssel, hilde.vangijssel@vcsu.edu, (701) 845-7337



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Dakota College offers classes on the Valley City State University (VCSU) campus. You can earn a certification or a two-year degree in a high-demand field from Dakota College in a variety of programs offered through a partnership with VCSU.

Practical Nursing Certificate (PN)



Practical Nursing Certificate General Prerequisites

- Current CPR certification for BLS Provider
- Math requirements
- ACT composite score of 19 or completion of 12 credit hours of nursing program coursework with a GPA of 2.75 or higher
- A program minimum GPA of 2.75 and a minimum grade of C for all of the nursing required courses.
- A cumulative minimum GPA of 2.50
- Standardized Test of Essential Academic Skills (TEAS) with a score in Basic level or higher
- TOEFL exam is required for all applicants for whom English is not their native language or who have not attended 4 years of US high school and achieved a High School GPA of 3.0 or higher.

Career Opportunities

LICENSED PRACTICAL NURSES (LPN) provide basic nursing care. They work under the direction of registered nurses and physicians. LPN's work in a variety of settings, including long term care facilities, hospitals, clinics, and private homes. Duties of the LPN vary depending on their work setting and the state in which they work. Duties may include monitoring patients' health, administering basic patient care, medication administration, reinforcing patient education and maintaining health records.

Associate Degree Nurse (ADN)



These courses are offered by the Dakota College at Bottineau on the campus of Valley City State University. Students can pursue an associate degree in nursing.

Associate Degree Nurse General Prerequisites

- Completion of DNP Practical Nursing Program OR Active and unencumbered license to practice as a Licensed Practical Nurse in North Dakota
- Active and unencumbered license to practice as a Licensed Practical Nurse in the United States & North Dakota
- Current CPR certification for BLS Provider
- Completion with a C or better and GPA of at least 2.75 in nursing with the following general courses:
 - ENGL 110 Composition I
 - PSYC 111 Introduction to Psychology
 - BIOL 220 Anatomy & Physiology I
 - BIOL 221 Anatomy & Physiology II
 - PHRM 215 Introduction to Pharmacology#
 - PSYC 250 Developmental Psychology
- (*# must be taken within the last 7 years*)

Career Opportunities

REGISTERED NURSES (RN) work with physicians and other healthcare specialists to promote health, prevent disease, and cope with illness. They are advocates and educators for patients, families, and communities. When providing direct patient care they observe, assess, and document symptoms, responses, and progress in patients.

Contact Information

Dakota College at Bottineau at VCSU

Becky Pfennig at 701-845-7682 or becky.pfennig@vcsu.edu

Technology Services

Technology Services (<https://myweb.vcsu.edu/technology-services/>)

Rhoades Science Center 117

Chief Information Officer

Joseph Tykwinski
joe.tykwinski@vcsu.edu
(800) 532-8641 extension 37330
(701) 845-7330
FAX (701) 845-7349

Technology Service Desk

(Start here for all technical issues and service requests)

technology.services@vcsu.edu
(800) 532-8641 extension 37340
(701) 845-7340
onestop.vcsu.edu (<https://onestop.vcsu.edu/support/home/>)

Technical Support Services

The following components combine to provide technical support for all users:

Technology Service Desk

The VCSU Technology Service Desk, located in Rhoades Science Center 117, provides technical support for computers, computer networking, classroom presentation equipment, cameras, printers, telephones and online "enterprise" applications. The full-service VCSU Technology Service Desk is available for phone, chat, and walk-in support approximately 9 hours per day, Monday-Friday. A North Dakota University System Help Desk provides additional phone support 24 hours per day, 7 days per week.

VCSU One Stop

A virtual (online) One Stop environment provides coordinated, customer friendly support across the institution. A powerful search engine allows users to quickly find official VCSU forms, policies and how-to documents. Users can create "help tickets" or use the online chat for immediate support. With permission of an end-user, VCSU support staff can remotely control a laptop or mobile device for demonstrations and issue resolution. The system supports continuous service improvement through convenient user feedback and system reports. Reference [onestop.vcsu.edu](https://onestop.vcsu.edu/support/home/) (<https://onestop.vcsu.edu/support/home/>)

MY>VCSU Web Portal and Mobile Device App

"MY>VCSU" provides information customized to each user such as GPA, advisor name, links to your courses, etc. The portal also provides convenient access to all major VCSU and NDUS applications by reducing the number of logins and authentications required to get to the applications; start with MY>VCSU each day and save time. There are two methods to access the portal and both methods are available to all users: a) use a web browser on any computer at my.vcsu.edu, and b) by downloading the "myVCSU" app available at Google Play or the Apple App Store.

Viking ID Card and Viking Mobile ID

Students choose either the Viking ID Card, or the Viking Mobile ID as their official means of identification and access to everything on campus. The Viking ID Card is a physical card that must be purchased, whereas the Viking Mobile ID is an electronic credential associated with a smart phone or Apple watch that is free to download. The Viking ID Card or Viking Mobile ID is not necessary for strictly off-campus and distance learners. The Viking ID Card or Viking Mobile ID is required on-campus to access events and selected doors; make photocopies; track meal plans and discretionary dining dollars; checkout library materials and technology items. It may be used to make purchases at the business office, bookstore and other locations. An associated website allows students and parents to add value to the ID Card or Mobile ID. Students can use the website to monitor balances and to immediately disable a lost or stolen card or mobile device. User identity must be verified by a VCSU employee before the Viking ID Card, or the Viking Mobile ID is issued.

Online Learning Management System

All VCSU classes use an LMS (Learning Management System) to enhance student learning. The LMS includes tools for course handouts, announcements, group and private discussions, test administration, internet links, and delivery of course content. The typical classroom course uses one or more of the tools, while totally online classes may use all of the available tools. An internet link to each online course a student is registered for automatically appears within the student's personal web portal.

Web Conferencing

Faculty and students use a web conferencing system to allow guest speakers and students located at distant locations to participate in a live session. The system is occasionally used for general student advising and communication purposes. Users can collaborate via chat, voice, video, information appearing on the computer screen, and an electronic whiteboard.

Class Recordings

Some classes use a recording system to capture voice, computer, and video information. The system serves several purposes, including the following: 1) students absent from a class session can get a portion of the class information missed, 2) students can review a class session to improve their understanding or to review for an exam, and 3) faculty

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can create reusable multimedia resources and store them in the online learning management system.

Software Licensing and Distribution

VCSU obtains institutional site licenses for a variety of professional software. Microsoft Office 365 is available to all employees and all registered students. Office 365 includes online file storage, email/calendar and free download of Microsoft software, including Word, PowerPoint, Excel and many other titles. Other software is distributed to users based on the unique needs of learners and courses. The software is professionally installed on University owned computers, or it may be accessed via an internet connection to special VCSU servers that host and execute the software.

Campus Connection for Administrative Computing

Campus Connection is a North Dakota University System administrative computing service that provides all students with internet access to class registration, class schedules, grades, fee statements, and financial aid award statements.

Notebook Computers

Every full time, on-campus student is issued a notebook computer for the entire semester. A student's major(s) declared and on record within Campus Connections will dictate whether a Mac or a PC is issued. A list of majors and their designation as Mac or PC is available in the VCSU One Stop.

Depending on the amount of technology fee paid as part of normal course registration, some part time and off-campus students qualify to receive a notebook computer on a full time basis at no extra charge. If they do not qualify under the no-additional-fee provision, part time students may elect to pay an additional fee in order to have a computer issued to them on a full-time basis. The rules and process for full-time computer access is available at the VCSU Technology Service Desk or in the VCSU One Stop, Full-Time Access to VCSU Laptop Computers (<https://onestop.vcsu.edu/support/solutions/articles/10000026708-v1901-02-01-full-time-access-to-vcsu-laptop-computers/>).

Finally, part time students have the following two options to gain access to a notebook computer at no additional fee:

1. Checkout a computer from the Technology Service Desk as needed for coursework and as available for homework, or
2. Share a computer with one other part time student who agrees to joint responsibility.

All users participating in the notebook initiative get new computers every 24–36 months, and software is upgraded at least annually. Notebook computer access includes Microsoft Office (Word, PowerPoint, Excel) and antivirus software; a computer carrying case; and a computer-exchange service in case of damage or corruption. All VCSU graduates participating in the notebook computer initiative have the option to purchase the computer at the end of each lease.

On-Campus IT Services

In addition to notebook computers, classes and workshops held on the VCSU campus have access to the following IT services:

Smart Classrooms

Classrooms are equipped to take advantage of the notebook computers. A typical classroom includes tables, chairs, network and electrical connections for every student, a nearby networked laser printer, a LCD projector and other audio/video equipment.

Network Connections

Notebook computers can connect to the internet via Ethernet or cutting edge wireless. A fiber optic backbone network connects all buildings. Wireless access points provide service throughout campus. Broadband connectivity is available off-campus from a variety of local internet service providers.

IT Equipment Checkout

Digital video cameras, digital still cameras, LCD projectors, amplified speakers, and other types of IT equipment are available for periodic checkout from the Technology Service Desk. This is a free service to all users.

Effects of World-Class Technology

This rich technology environment has enabled a transformation of nearly all aspects of the learning environment. Faculty have become proficient at integrating technology in instruction, including online environments. Students are more involved in the learning process as they use their computers to take notes, conduct research, communicate, create, and solve problems. Some students develop electronic portfolios that demonstrate abilities not documented on a resume or transcript. Multiple surveys, conducted over several years, provide evidence that students, faculty, and staff believe the information technology at VCSU provides a more effective learning environment.

Academic Affairs

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- Registration and Records (p. 27)
- Scholastic Standing (p. 28)
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- Student Academic Services (p. 31)

Academic Affairs Offices



Academic Affairs

McFarland Hall 2nd Floor 213

Larry Brooks, Vice President for Academic Affairs

(800) 532-8641 extension 37200

(701) 845-7200

Executive Assistant

Kelly Spanier,

kelly.spanier@vcsu.edu

(800) 532-8641 extension 37202

(701) 845-7202

FAX: (701) 845-7104

academic.affairs@vcsu.edu

www.vcsu.edu/academicaffairs/ (<https://www.vcsu.edu/about-vcsu/offices/office-for-academic-affairs/>)

As Chief Academic Officer of Valley City State University, the Vice President for Academic Affairs is responsible for fostering, encouraging, supporting and implementing academic strategies that advance student learning. Duties of the Vice President for Academic Affairs include overall responsibility for the curriculum, the academic budget, faculty and academic support staff, academic policy, and grants, while promoting an environment of innovation, entrepreneurship and customized learning.

The VPAA reports to the President and leads a team of department chairs, program directors, faculty and student leaders toward achieving the goals of teaching and learning in the digital environment.

Information in this section provides policies and guidelines concerning registration, grading, advising, and other items related to your student status at VCSU. For additional information, feel free to contact the Academic Affairs Office.

Registrar's Office

McFarland Hall 2nd Floor 219

Shannon Hone, Registrar

(800) 532-8641 extension 37293

(701) 845-7295

FAX: (701) 845-7299

registrar@vcsu.edu

myweb.vcsu.edu/registrars/ (<https://myweb.vcsu.edu/registrars/>)

Additional Credit Opportunities

VCSU accepts credit through the following additional activities:

- Transfer credit—credit completed at another campus and transferred to the VCSU degree program.
- Dual credit/Early entry—credit for college coursework complete as a high school student.
- Credit by examination (using national tests) or by course challenge (for courses that do not have a national exam).
- Credit for life and work experience (PLA)—credit the connects learning received from life and work to the VCSU degree.
- Credit for military experience
- Internships
- Project 65—audit opportunities for people age 65 and older.

Please click on the appropriate tab (above) for more information about each of these opportunities.

Transfer Credit

Valley City State University accepts transfer credit from post secondary education institutions that are accredited regionally or nationally by an institutional accreditor agency that is recognized by the U.S. Department of Education. Transfer credits from programmatic accreditor agencies or non-accredited institutions will not be accepted in transfer. Before transfer credits are evaluated for specific course equivalencies or program requirements, the credits must be accepted by the Office of the Registrar according to university policies and procedures. The application of the transfer credit to program requirements is the responsibility of the faculty.

The Office of the Registrar evaluates transfer credits according to institutional requirements and North Dakota University System policies and procedures in consultation with appropriate faculty. College-level credits that do not have course equivalents or do not meet a program requirement at Valley City State University will be accepted as general electives and count toward total credits required for graduation. Transfer students who are dissatisfied with the course equivalency determinations may consult the appropriate department chair, in an attempt to more precisely define equivalencies or identify appropriate substitutions. If necessary for transfer evaluation, students are responsible for providing course descriptions and course syllabi.

Total hours earned from all transfer institutions are entered on the Valley City State University transcript. If necessary

credits will be converted to semester hours. Transfer courses and grades appear on the official VCSU transcript and are used in the calculation of cumulative grade point average.

Limitations on Transfer Credit

Developmental Credit

Credit for developmental courses is not accepted in transfer if the course is developmental by definition of the transferring institution or if it is equivalent to a developmental course at VCSU. Transfer credit earned at the developmental level will be transcribed on the official VCSU transcript. However, these credits will not count toward earned credit or be calculated in the cumulative grade point average.

Graduate and Continuing Education Credit

Credit earned at the graduate level and non-degree continuing education is not accepted in transfer at the undergraduate level.

Credit by Examination or Life Experience

Credit earned by institutional examination or life experience is not accepted for transfer.

Military Credit

Basic training courses are accepted in transfer as HPER 100 and fulfill the Wellness category of General Education requirement at VCSU. All other military credit is evaluated using the most recent ACE Guide recommendations. Military work experience will not be accepted.

General Education Transfer Agreements

Transfer students who have graduated from a regionally accredited institution and have completed a general education program at that institution consisting of a minimum of 36 semester hours will be deemed to have met all lower division general education requirements at VCSU. This may include transfer students who have earned an Associate of Arts, Associate of Science, Bachelor of Arts, or Bachelor of Science degree. If the general education requirements are not complete upon transfer, the transcript will be evaluated on a course-by-course basis. Even if the lower division general education requirements have been met, students are strongly encouraged to meet with an academic advisor. Some majors require specific or additional general education courses be completed as an upper division program requirement.

The North Dakota University System (NDUS) General Education Requirement Transfer Agreement (GERTA) was developed to assist students who transfer within the NDUS. This agreement states that students who transfer to a NDUS institution after completing their general education coursework at any other NDUS institution will be deemed to have met all lower division general education requirements at the transfer school. A minimum of 36 semester hours must have been completed in the areas of communication; arts

and humanities; social sciences; and mathematics, science and technology.

The North Dakota University System (NDUS) also has specific general education transfer agreements with the California Community Colleges, Minnesota System of Colleges and Universities (MnSCU), Oregon Public Colleges and Universities, South Dakota University System, Washington State Community and Technical Colleges, and Wyoming Community Colleges for students who have completed an Associate in Arts or an Associate in Science degree.

Dual Credit/Early Entry

The Dual Credit/Early Entry arrangement provides an opportunity for high school students to take courses for which they may earn both high school and college credit. These credits may be applied toward both high school and college graduation requirements. Eligible students in grades 10, 11 and 12 may earn college credit by enrolling in any course which has been jointly approved by appropriate high school and university administrators.

The courses to which dual credit/early entry may apply can be placed into three categories:

1. A VCSU course taught by a high school teacher at the high school
2. A VCSU course offered as part of the regularly scheduled term offerings at the university
3. A college course taught in the high school by a VCSU professor (This course could be delivered by the college professor directly within the high school or via online or interactive television.)

Students must meet the minimum test score for student placement in English and math courses established by North Dakota University System Procedure 402.1.2. For more information, see Placement in English and Math (<https://onestop.vcsu.edu/support/solutions/articles/10000036585-placement-in-english-math/>).

Credit by Examination

Credit for courses may be granted by national examination, which includes Advanced Placement (AP), College Level Examination Program (CLEP), International Baccalaureate (IB) and the Dantes Subject Standardized Tests (DSST). Minimum scores are established by NDUS Procedure 463 and published in their Credit-By-Exam Chart (<https://ndus.edu/wp-content/uploads/sites/6/2018/09/CBE-Chart-2022.pdf>) at <https://ndus.edu/lets-get-started/pre-college-credits>. (<https://ndus.edu/lets-get-started/pre-college-credits/>)

Credit by Challenge

Credit for courses may be granted by department examination. Currently enrolled, degree-seeking students may apply to establish challenge credit for approved university courses. Some courses (e.g. special topics or independent study) may not be challenged. Credit by challenge will be posted as test credit with an S/U grade. This test credit may not transfer to another postsecondary institution.

A Department may offer challenge exams for courses which have no equivalent national subject exam. Students who have audited a course or who have previously enrolled in a course (regardless of grade earned or drop status) will not ordinarily be permitted to take a challenge exam. A Petition for Course Challenge form, obtained from the Office of the Registrar, must be completed by the student, the course instructor, and the appropriate department chair. The fee for the challenge is equal to one half the tuition plus applicable fees for the course. If the petition is approved and the student makes payment, the examination will be scheduled.

The Language & Literature Department may approve up to 12 challenge credits in Spanish after a student satisfactorily completes an advanced level language course with a "C" grade or better. A Petition for Spanish Credit form, obtained from the Office of the Registrar, must be completed by the student, the course instructor, and the department chair. The fee for the challenge is equal to one half the tuition plus applicable fees for the course.

Through the Business Department, students who complete the High School of Business™ program and enroll at VCSU as a degree seeking undergraduate may earn up to nine challenge credits by achieving minimum scores on MBA Research final exams:

- A 60 or above on the Business Economics test earns credit for ECON 202.
- A 65 or above on the Principles of Management test earns credit for MGMT 270.
- A 70 or above on the Business Strategies test earns credit for BOTE 214.

Credit for Life and Work Experience (PLA)

The Valley City State University Prior Learning Assessment Program is designed to offer adult learners, generally 25 years of age or older, the opportunity to apply learning received from life and work experience toward a Valley City State University degree. This program is administered through the Vice President for Academic Affairs. The adult learner must enroll in UNIV 180 Prior Learning Assessment for Credit. For specific questions on PLA, contact the Technology Education Department.

Credit for Military Service Experience

All military service experience submitted for credit will be evaluated by the Office of the Registrar using the Guide to the Evaluation of Educational Experiences in the Armed Services. The student desiring such credit must submit an official copy of his or her official military transcripts.

Internships

The Internship Program provides students with the opportunity to work in a field related to their major, while earning academic credit. Students are eligible to participate in this program after completion of their sophomore year and a 2.50 GPA, but are encouraged to discuss internship opportunities with their department chair or advisor and the Career Services Coordinator during their sophomore year. Internships may be with employers in private industry,

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governmental agencies, and non-profit organizations. Employment can be part-time or full time with a local employer or virtually anywhere in the world. The internship experience benefits students by providing the opportunity to explore and confirm career options.

Eligibility to enroll for academic credit is granted through the Internship Program when an internship position is secured. Upon being hired, the student enrolls in the appropriate internship course. Students can earn from 3 to 12 credits per semester, depending on the total hours to be employed; however, each academic department will determine how many credits may be applied to the degree requirements.

Project 65

People ages 65 and over may audit courses free of charge on a space available basis. Audited courses may not be counted toward a degree.

Degree and Graduation Requirements



Undergraduate students at VCSU have five bachelor degree options: Bachelor of Applied Science, Bachelor of Arts, Bachelor of Science, Bachelor of Science in Education, and Bachelor of University Studies.

In addition to selecting a major program of study, students must choose which degree to pursue. The Bachelor of Science degree prepares students in specific discipline areas, while the Bachelor of Arts degree provides academic breadth in the liberal arts. The Bachelor of Science in Education is designed to prepare students for licensure as elementary and secondary teachers.

The Bachelor of University Studies degree is designed to allow the student the flexibility of designing a course of study which fits with his or her interests and goals in life. The student must have a degree plan approved by the Vice President for Academic Affairs. The proposed degree plan must meet with the generally accepted goals of a bachelor's degree. The Bachelor of Applied Science is designed for students with a completed AAS degree, who seek a bachelor's degree that complements their previous studies.

Double Degree and Second Degrees

Students may earn two or more bachelor's degrees provided the degrees are different. For example, students cannot earn two Bachelor of Science degrees such as a B.S. in Communication and a B.S. in Music. Students must meet all requirements for each degree with at least 30 unique credits between the degrees. The degrees may be earned concurrently (Double Degrees) or at different times (Second Degrees).

Double Major

Students may elect to earn a single degree with more than one major. Students may complete a double major (two majors) or any number of majors. Students must meet all requirements for each major within the single degree, such as a Bachelor of Arts with majors in English and History.

Adding a Major/Minor After a Degree Has Been Posted

Students who have previously earned a degree may complete additional coursework and elect to complete a major and/or minor earned subsequent to graduation.

Associate in Arts

1. Completion of the General Education Requirements for the Associate in Arts.
2. Completion of a concentration.
3. Completion of the Graduation Requirements.
4. Completion of a minimum total of 60 semester credits.

Bachelor of Applied Science

1. Completion of an approved technical specialty in trade, industry or health occupations prior to admission into a Bachelor of Applied Science major. An approved technical specialty constitutes the completion of 36 transferable credits in trade, industry or health occupations or 26 transferable credits in trade, industry or health occupations and 5000 hours of work experience in a technical field.
2. Completion of the General Education Requirements for the Bachelor of Applied Science.
3. Completion of a major and a minor, a double major, or a composite major.
4. Completion of the Graduation Requirements.
5. Completion of a minimum total of 120 semester credits.

Bachelor of Arts

1. Completion of the General Education Requirements.
2. Completion of a major and a minor, a double major, or a composite major.
3. Completion of the 16 semester hour cultural block. In consultation with their advisor, students select a 16 hour block of related courses from the following areas: Spanish, art, music, English, theatre, photography, and history. Courses used for this requirement may not be double-counted and may not include credits for portfolio preparation or internships.

4. Completion of the Graduation Requirements.
5. Completion of a minimum total of 120 semester credits.

Bachelor of Science

1. Completion of the General Education Requirements.
2. Completion of a major and a minor, a double major, or a composite major.
3. Completion of the Graduation Requirements.
4. Completion of a minimum total of 120 semester credits.

Bachelor of Science in Education

1. Completion of the General Education Requirements.
2. Completion of an education major.
3. Completion of the Professional Education sequence.
4. Completion of requirements for admission to Teacher Education.
5. Successful completion of student teaching experience.
6. Successful completion of Praxis II requirements.
7. Completion of the Graduation Requirements.
8. Completion of a minimum total of 120 semester credits.

Bachelor of University Studies

1. Completion of the General Education Requirements.
2. Completion of the major requirements with at least 34 semester credits of upper-level credit.
3. A statement of the interests and goals the student expects to meet by choosing the Bachelor of University Studies degree.
4. Completion of the Graduation Requirements.
5. Completion of a minimum total of 120 semester credits.
 - Associate of Arts: 60 credits; includes General Education credits
 - Bachelor's Degree: 120 credits with a minimum of 30 upper-level credits; includes 39 General Education credits
 - Composite Major: 52-75 credits; does not require a second major or a minor
 - Major: 32-42 credits; requires a second major or a minor
 - Minor: 18-26 credits
 - Certificate: a minimum of 9 credits
 - Certificate of Completion: less than 9 credits
 - Concentration: 18-30 credits
 - Cognate: 12-17 credits

Graduation Requirements

All students must meet certain general requirements before graduating from Valley City State University. Undergraduate students may elect to graduate under the requirements of the catalog in effect when the student originally enrolled at the University provided the time lapse is less than seven years. Students who change their academic program will follow the requirements of the catalog in effect when the student submits the program change form. Students who leave VCSU and then return will follow the requirements of the catalog in effect when the student submits the returning student form.

The following represent the conditions for graduation:

1. All candidates for a degree in a specific term must make formal application for graduation with the Office of the Registrar. The deadline dates for applying are December 1 for spring semester and May 1 for summer and fall semester.
2. A minimum of 120 semester credits are required for graduation with a bachelor's degree. A minimum of 60 semester credits are required for graduation with an Associate in Arts degree.
3. All candidates for a bachelor degree must complete 30 semester credits from VCSU. All candidates for an associate degree must complete 15 semester credits from VCSU. A minimum of six credits of VCSU credit are required for a major, three VCSU credits for a minor and six VCSU credits for a certificate.
4. All academic requirements must be completed before a student may graduate.
5. For the bachelor's degree, a minimum of 30 upper division semester credits must be completed at the 300 and 400 course level. Career-Technical Education majors complete an area of technical specialty in lieu of this requirement.
6. The same course may not be used to fulfill requirements in two areas except when the student is graduating with a composite major, double major, or with more than one minor. Majors in education are considered composite majors.
7. All candidates for a degree must have a cumulative grade point average of at least 2.0. The student must also demonstrate a minimum grade point average of 2.0 in each of the following areas: major, minor, area of concentration/cognate, certificate, and general education. Those students receiving a B.S. in Education degree must have met the GPA requirements for continuance in teacher education.
8. All financial obligations to the University must be met at least two weeks before the date of graduation.
9. Commencement exercises held at the close of the fall and spring semesters. Candidates for graduation in the fall semester are encouraged to participate in the fall exercise. Students completing graduation requirements in the spring semester are encouraged to participate in the spring exercise. Candidates for graduation in the summer semester may participate in the following fall or spring commencement.

Failure to Complete Requirements

Students must complete all requirements for the degree within 30 days of the end of the semester of graduation or apply for graduation in a subsequent semester.

Graduation Honors

A student who has achieved a cumulative grade point average between 3.50 and 3.74 at the time of graduation qualifies for the honor, cum laude.

A student who has achieved a cumulative grade point average between 3.75 and 3.89 at the time of graduation qualifies for the honor, magna cum laude.

A student who has achieved a cumulative grade point average between 3.90 and 4.00 at the time of graduation qualifies for the honor, summa cum laude.

General Education Requirements

The General Education Program at VCSU requires the completion of 39 credits, selected from the course list outlined under the General Education Courses tab. These courses serve as the intellectual foundation for both skill development and breadth of knowledge fundamental to a college education, offering a powerful, integrated learning experience that builds capabilities essential for the 21st century.

As a network of interrelated courses, the General Education Program promotes rigorous study in the liberal arts, leading to lifelong learning, meaningful service, and effective citizenship within an integrated and diverse society.

Viking Voyage

First year students will enroll in UNIV 150 Viking Voyage, a seminar which provides an introduction to many aspects of campus life at VCSU. The course begins during the opening weekend's activities prior to the start of fall semester and continues into the semester.

The Viking Voyage course topics include team building, orientation to campus services, adjusting to college, substance abuse issues, academic policies, time management, academic advising, orientation to career services, learning styles, stress management, Campus Connection training, and paying for college. In addition, students complete a required service project.

First year students 21 years or older and those entering with 23 or more semester credits may elect not to take UNIV 150 Viking Voyage.

Students must meet a minimum test score for placement in English and math courses established by North Dakota University System Procedure 402.1.2 (<https://ndus.edu/sbhe-overview/ndus-procedures/400-heading-procedures/>).

For more information, see Placement in English and Math (<https://onestop.vcsu.edu/support/solutions/articles/10000036585-placement-in-english-math/>).

Additional English Placement Policies

Incoming students with an ACT English score of 23 or above may choose to be placed in ENGL 120 College Composition II or ENGL 125 Introduction to Professional Writing. Further, students who choose this option will take ENGL 210 College Composition III: Persuasive Writing to fulfill the general education communication/writing requirement at Valley City State University.

Students who have been awarded institutional placement credit (3) for ENGL 110 College Composition I (or its equivalent) from an accredited college or university, and who have successfully completed ENGL 120 College Composition II or ENGL 125 Introduction to Professional Writing with a C or better, will take ENGL 210 College Composition III: Persuasive

Writing to fulfill the general education communication/writing requirement at Valley City State University.

Students should view their major program for required general education courses.

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
or ENGL 12!	Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
or ENGL 12!	Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3

COMM 211	Oral Interpretation
ENGL 220	Introduction to Literature
ENGL 225	Introduction to Film
ENGL 232	Mythology
ENGL 241	World Literature I
ENGL 242	World Literature II
ENGL 261	American Literature I
ENGL 262	American Literature II
HUM 201	Civilization, Thought, and Literary Heritage
PSYC 200	Ethics and Philosophy of Science
SPAN 101	1st Year Spanish I
SPAN 102	1st Year Spanish II
SPAN 201	2nd Year Spanish I
SPAN 202	2nd Year Spanish II
THEA 110	Introduction to Theatre Arts
Art and Music	
Select one of the following:	
ART 110	Introduction to the Visual Arts
ART 115	Introduction to Digital Media
ART 210	Art History I
ART 211	Art History II
ART 233	History of Craft
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 206	World Music
MUS 207	History of Rock and Roll
Social Science	
Select 6 credits from the following:	
COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology
Additional Humanities or Social Science	
Select one additional course from Humanities or Social Science	
or select from the following:	
ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum
Total Credits	

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General Education Learning Goals and Outcomes

General Education Learning Goals	General Education Learning Outcomes	Outcome Statement
Values	Appreciation of the Arts/Aesthetics	The ability to understand, recognize the value in, and be affected by the products of human endeavor, including the visual, musical, literary, and performing arts.
	Ethics	The conscientious determination of what makes an act right or wrong, that includes an understanding of the value system used for that decision, the ramifications, and the importance of acting in accordance with established principles.
	Diversity	The acknowledgement of and respect for differences in the living world.
Literacies	Communication	The conscious use of structural and presentational skills to convey an intended message to a specific audience through verbal, non-verbal and/or written expression.
	Creative and Critical Thinking	A comprehensive skill set that allows one to reach an informed opinion, conclusion, and/or decision based on observation, research, imagination, synthesis, and reflection.
	Quantitative Literacy	The number sense, mathematical understanding, and problem-solving abilities required for logical and analytical thinking, and the ability to construct and communicate viable arguments using numerical evidence.
	Technological Skills/Literacy	The ability to research, use, and assess the appropriate technology to solve a problem, and to understand how technology impacts individuals and society.
Habits	Collaboration	The ability to work responsibly with others to achieve a common goal and to promote group success.
	Civic Engagement	Participation in the life of a community in order to improve conditions for others or to shape the community's future.
	Holistic Health	The well-being of body, mind, and spirit, to enhance the quality of life for self and others.

Registration and Records

Academic Advising

Academic advising is directed through the Office of Student Academic Services. All new degree-seeking students will be assigned advisors in Campus Connection upon acceptance. Many students at the time of application are undecided about an area of study. Deciding students are assigned an advisor who is prepared to help plan a schedule that will enable exploration in different academic areas while completing the general education requirements. An advisor can become the most valuable academic resource.

Registration

Students are expected to meet with their advisors before registering. Registration for classes occurs online through Campus Connection in the term prior to the semester those classes begin. The registration process is not complete until all fees are paid.

Students declared as on campus majors need to be enrolled in at least 1 credit of on campus courses each semester. If a student must enroll in all online courses for a semester, then they must change their major to an online major. A student may switch between on campus and online each semester depending on their schedule. It is important to note that students must be an on campus major taking at least 1 credit on campus each semester to be eligible for VCSU scholarships and waivers.

Class Attendance

The student is expected to meet the attendance requirements for each class.

Course Level

Courses numbered 100 to 199 are considered Freshman level; courses numbered 200 to 299 are Sophomore level; courses numbered 300 to 399 are Junior level; and courses numbered 400 to 499 are Senior level courses. The student should note that many upper level courses (300–499) have prerequisites and should plan accordingly. Graduate courses will have numbers between 601–699. Courses with the number 2000 are Continuing Education courses and are not eligible for use at the undergraduate or graduate level. 600 and 2000 numbered courses are only available to students who have earned a Baccalaureate Degree, with the exception of Career and Technical Education license holders or those who are currently teaching at a secondary or postsecondary institution in North Dakota.

Common Course Numbering

The North Dakota University system adopted Common Course Numbering (<https://ndus.edu/lets-get-started/transfer-to-a-different-campus/common-course-numbering-ccn/>) (CCN) in 1998. CCN is a means of standardizing course numbers

across all campuses within the system. For example, it means that a course numbered 100 at one campus is equivalent to a similarly titled and numbered course at another campus.

Course Load for Students

Full-time enrollment is twelve semester hours. Students in good standing may register for up to nineteen semester hours. Students wishing to enroll in more than 19 hours must meet the appropriate grade point average standards.

In order to take 20 to 21 semester hours, the student must maintain a minimum cumulative grade point average of 3.00. The student wishing to take 22 or 23 semester hours must maintain a minimum cumulative grade point average of 3.50. No student will be allowed to enroll in more than twenty-three semester hours during any one semester. No student will be allowed to enroll in more than three semester hours during the Spring Intersession, which is scheduled between the fall semester end date and the spring semester begin date.

Full-time status during Summer term is 6 credits; the maximum load is 9 concurrent credits for a student in good academic standing. If a student wishes to register for more than 9 credits that are not concurrent, s/he should contact the Office of the Registrar; in any case, no more than 14 semester hours in any Summer (total for all summer terms; this is the equivalent of one credit per week for the full summer).

Any exception to the above policy requires a petition to the Academic and Scholastic Standing Committee. Petitions are available in the Office of Student Academic Services.

Adding or Dropping a Course

Course schedule changes may be processed in Campus Connection (online student self-service).

Add

A student may add a semester-length course through the tenth calendar day of the fall term and the eleventh calendar day of the spring term. Courses within a shorter session and the summer term will have a proportional last day to add. Specific add dates for the term and each session can be found at [http://\(https://myweb.vcsu.edu/registrar/myweb.vcsu.edu/registrar/](http://(https://myweb.vcsu.edu/registrar/myweb.vcsu.edu/registrar/).

Late Add

Late adding a course is not permitted after a semester's Add deadlines except in extenuating, non-academic circumstances. Such additions require the student to submit a petition to the Academic and Scholastic Committee for a decision on whether or not the late add will be permitted. No course addition petitions will be accepted after the last day of the semester.

Drop with No Record

A student may drop a semester-length course and no record of the course will appear on the student's transcript if the drop is processed on or before the tenth calendar day of the fall term and the eleventh calendar day of the spring term. Courses within a shorter session and the summer term will

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have a proportional last day to drop with no record. Specific drop with no record dates for the term and each session can be found at <http://myweb.vcsu.edu/registrar/>. (<https://myweb.vcsu.edu/registrars/>)

Drop with Record

A student may drop a semester-length course at any time during the first twelve weeks of the semester. A grade of "W" will be recorded on the student's transcript for all courses dropped after the Drop with No Record deadline. Courses within a shorter session and the summer term will have a proportional last day to drop with a record. Specific drop with a record dates for the term and each session can be found under at <http://myweb.vcsu.edu/registrar/>. (<https://myweb.vcsu.edu/registrars/>)

Dropping a course is not permitted after the Last Day To Drop With a Record deadlines except in extenuating, non-academic circumstances. Such changes require the student to submit a petition to the Academic and Scholastic Standing Committee for a decision on whether or not the change will be permitted.

Course Override cards and Petitions are available in the Office of the Director of Student Academic Services.

One-Time Drop Policy

Each student may late drop from a course after the deadline (up to and including the last day of the semester) without proof of extenuating circumstances one time during his or her undergraduate enrollment at Valley City State University. This "one-time-drop" must be processed using a petition available in the Office of the Director of Student Academic Services. A symbol of W will appear on the transcript.

Tuition Refund Policy 830.2 (<https://ndus.edu/sbhe-overview/sbhe-policies/800-heading-policies/>)

Withdrawal from the University

A student considering withdrawal from Valley City State University is strongly encouraged to contact the Office of Student Academic Services prior to finalizing a decision. If for any reason a student finds it necessary to withdraw from all courses during the semester, an official withdrawal must be filed with the Director of Student Academic Services. The last day to withdraw from the university is the last business day of the 12th week of classes. If the student is receiving financial aid, the student must contact the Office of Financial Aid to develop a repayment plan. If the student has been issued a computer, the student must return the computer within 24 hours unless prior arrangements are made with the Director of the Technology Service Desk. In case of an emergency withdrawal, it is the responsibility of the student to notify a university official.

Failure to follow withdrawal procedures may result in failing grades in all courses for the semester.

A student who fails to withdraw from all courses by the last business day of the 12th week of classes may be eligible for a late withdrawal. A late withdrawal must be for reasons beyond the student's control, including but not limited to the following: medical, death of a family member, natural disaster,

or other emergency. A petition for a late withdrawal must be filed with the Director of Student Academic Services. Third party documentation is required to support a petition for a late withdrawal.

Collaborative Registration

The North Dakota University System (NDUS) collaborative registration agreement allows a student to be concurrently enrolled at another NDUS institution. Only fully admitted, degree-seeking undergraduate students in good academic and financial standing are allowed to enroll collaboratively. Collaborative registration allows the home campus to consider credit from the provider campus for financial aid purposes and adds the provider campus tuition to your home campus bill after the tenth or eleventh day of regular session; the provider campus will automatically submit a transcript to your home campus. More information see Collaborative Registration (<https://onestop.vcsu.edu/support/solutions/articles/10000029642-collaborative-registration/>).

Transcripts of Academic Records

Official transcripts may be requested online or in writing. There is a charge for each official transcript. Online ordering is available 24/7 and provides online tracking. Click on Transcript Requests (<https://onestop.vcsu.edu/support/solutions/articles/10000029622-transcript-requests/>) for detailed processing, delivery, and payment information.

Current and former students who have enrolled at VCSU since Fall 2003 may view and print an unofficial transcript (<https://onestop.vcsu.edu/support/solutions/articles/10000036578-view-print-unofficial-transcript/>) free of charge online in Campus Connection.

Scholastic Standing

Credit

VCSU operates an academic calendar on the semester system, according to the guidelines in SBHE policy 406.1 (Academic Calendars). Each semester is 80 days, or 16 weeks (including exam week). One semester hour of credit represents one academic hour of class instruction or two or more academic hours of laboratory work per week for a period of 15 weeks, or the equivalent.

In organizing their schedules, students should plan to spend about two hours of study for one hour of classroom instruction. Therefore, a student taking 15 credit hours should expect to spend about 30 hours studying each week. In seeking a course overload, students should consider carefully the impact of this load on their available study time.

Student Classifications

Regular Student status applies to anyone whose objective is to complete a degree. The following classifications apply:

Freshman <24 credits
Sophomore 24-59 credits
Junior 60-89 credits

Senior > 90 credits

Non-degree status applies to anyone who has a degree and is enrolled for additional courses, or anyone who is enrolled for courses but not following an established program.

Academic and Scholastic Standing Committee

The Academic and Scholastic Standing Committee is comprised of administration and faculty members who convene for the purpose of considering petitions concerning student academic affairs. The student submitting a petition may be asked to appear for a hearing with the committee. Decisions may be appealed as outlined in the VCSU Student Handbook.

Grading and Grade Point System

Grades are reported in letter symbols. Each grade carries a value in grade points per credit hour. The system used is as follows:

Grade	Significance	Grade Points
A	Excellent	4.00
B	Good	3.00
C	Average	2.00
D	Passing	1.00
F	Failure	0.00
I	Incomplete	0.00
S	Satisfactory	0.00
U	Unsatisfactory	0.00
AU	Audit	0.00
W	Withdrawal	0.00
WAU	Withdrawal-Audit	0.00

Faculty identify standards for course grades on the course syllabus.

Grade Point Average

The grade point average is determined by calculating the total number of grade points earned and dividing by the number of credit hours in which a letter grade of A, B, C, D, or F was received. Other letter grades such as I, S, U, AU, W, and WAU carry no grade point value and are not included in the calculation of the grade point average.

Repeating a Course

A student may repeat a course to improve a grade. The original and repeated course grade will appear on the transcript. Only the most recent grade will be calculated in the cumulative grade point average.

Audit

Audit means to register and participate in class activities at the discretion of the instructor. No credit is awarded for an audited course. The student must notify the Office of the Registrar of his or her intent to audit a course no later than

the last day to add the course. Cost of audit is one half tuition plus applicable fees.

S-U Grade Option

A limited number of courses are graded on a satisfactory-unsatisfactory basis. No grade points are assigned. To encourage students to explore subjects where they might not otherwise take a course, they may request permission to enroll in courses that are not required for their graduation on a satisfactory-unsatisfactory basis. No grade points are assigned. The student must notify the Office of the Registrar of his or her S-U grade option request no later than the last day to add the course. A maximum of 15 semester hours of non-required S-U graded courses may count toward graduation. Work of C level or better is required to receive an S grade.

Incomplete Grades

The grade of incomplete is negotiated between instructor and student. This infrequently used option accommodates the student who was affected by conditions beyond his/her control (e.g. prolonged illness, family death) and who could not reasonably complete the course work during the term of enrollment, but who has in other respects done passing work for the semester. Whether or not a grade of I is assigned is entirely the prerogative of the course instructor. The student and instructor will develop a written contract detailing the assignments which remain to be completed and the time frame for completion.

The grade of incomplete must be removed by the tenth week of the regular semester following the term in which it was reported. If the deficiency is not made up within the specified time, the incomplete will revert to the grade earned at the time the incomplete was negotiated. The instructor may request an extension of the time period by emailing the Office of the Registrar (registrar@vcsu.edu).

Academic Honors

Dean's Honor Roll

A student who completes 12 semester hours of Valley City State University classes for which grade points are earned and who received a grade point average of at least a 3.50 at the end of any semester qualifies for the Dean's Honor Roll.

President's Honor Roll

A student who completes 12 semester hours of Valley City State University classes for which grade points are earned and who received a grade point average of 4.00 grade point average at the end of any semester qualifies for the President's Honor Roll.

Honor Roll

A student who completes 6-11 semester hours of Valley City State University classes for which grade points are earned and who received a grade point average of at least a 3.50 at the end of any semester qualifies for the Part-Time Honor Roll.

Graduation Honors

The student who has achieved a cumulative grade point average between 3.50 and 3.74 at the time of graduation qualifies for the honor, cum laude. The student who has achieved a cumulative grade point average between 3.75 and 3.89 qualifies for the honor, magna cum laude. A student who has achieved a cumulative grade point average between 3.90 and 4.00 qualifies for the honor, summa cum laude.

to determine conditions under which the student may be admitted.

Academic Probation and Suspension

Students not making satisfactory academic progress will be placed on academic probation. The following standards for satisfactory progress apply to all enrolled students:

Total Hours Attempted	Cumulative GPA Required
12	1.60
30	1.80
60	2.00

Any student who does not make satisfactory progress according to these standards is placed on academic probation. Until the student brings his or her cumulative grade point average up to the required level, the student is continued on probation, providing he or she achieves at least a 2.00 grade point average during the subsequent semester(s) of enrollment. The summer session is considered equivalent to a semester.

Students failing to accrue adequate credits may be placed on academic probation or suspension at the discretion of the Vice President for Academic Affairs. Adequate credits is defined as two-thirds of the hours attempted.

In order to increase the probability of future academic success, academic probation status restricts students, including those admitted on academic probation, to a maximum course load of 14 credits during a regular term and 6 credits in the summer, and requires completion of a one-hour course in study skills as part of the restricted course load. Satisfactory progress while on probation means achieving a grade point average of at least 2.00 or better during the semester. Failure on the part of the student to achieve a semester grade point of at least 2.00 while on probation results in academic suspension from the university.

A student who has been suspended from the University may submit a petition to the Academic and Scholastic Standing Committee for readmission. The committee reviews the petition, considers the evidence, and makes a decision regarding the status of the student. Any student who is reinstated by this committee is required to meet contractual obligations set forth by the Vice President for Academic Affairs.

A suspended student who returns after one calendar year may be readmitted on probation and is not required to petition for readmission. A transfer student who is not eligible to return to previous institution must submit a petition to the Academic and Scholastic Standing Committee for admission to VCSU. Any transfer admission following the academic suspension/dismissal from another institution will be coordinated with the suspending/dismissing institution

Student Academic Services

McFarland Hall 3rd Floor 322B

Kaleen Peterson, J.D., Director of Student Academic Services

(701) 845-7302

kaleen.peterson@vcsu.edu

www.vcsu.edu/student-life/academic-support-services/

(<https://www.vcsu.edu/student-life/academic-support-services/>)

Academic Support Services

As a learner-centered institution, Valley City State University is committed to helping students succeed in their classes. Through the Student Academic Services office, students have access to the Viking Learning Commons, the VCSU Testing Center, Disability Support Services, and the Starfish Early Alert System.

Viking Learning Commons

The Viking Learning Commons is a relaxed, student-centered atmosphere where students can focus on personal study, receive free tutoring, join a study group, fulfill required athletic study hours, and more. Staffed by knowledgeable professionals, educators, and student tutors, the Viking Learning Commons is a place where students feel comfortable asking questions and engaging in coursework. Located in the heart of campus directly under the iconic clock tower in McFarland Hall, this space is surrounded by vaulted ceilings, original woodwork, and exquisite stained-glass windows. The Viking Learning Commons serves as a central hub of student support.



VCSU Testing Center

The VCSU Testing Center offers testing services for students with disability accommodations, Accuplacer placement testing, and testing at the request of instructors in order to maximize class time for teaching. We also provide test proctoring for other institutions and members of the

community. The Testing Center is a quiet, distraction-reduced space that is monitored by a proctor.

Disability Support Services

Valley City State University provides reasonable accommodations, promotes an inclusive campus environment, and encourages student independence for our students with documented disabilities. We align our practices with federal law to help our students reach their goals no matter the obstacle. Examples of accommodations include 1) Testing in a distraction-reduced environment; 2) Extended time on testing and major assignments; and 3) Audio/alternative texts.

Students who have met eligibility requirements (IEP, 504) in high school are encouraged to self-identify for Disability Support Services as soon as they get to campus. The process is simple, and students can choose to utilize services as needed throughout their time at Valley City State University. Students who did not meet disability eligibility requirements in high school may still qualify for accommodations under some circumstances.

Starfish Early Alert System

Valley City State University utilizes Starfish, an innovative early-alert system that captures student performance and raises warning flags when students need academic support. Warning flags include attendance concerns, low grades, and in danger of failing. Student Academic Services staff collaborate with faculty to provide necessary and timely outreach services. Outreach services include academic coaching, tutoring, time-management guidance, and personalized monitoring.

Student Privacy and Educational Records

Family Education Rights and Privacy Act (FERPA)

As custodian of student records and in compliance with the Family Educational Rights and Privacy Act of 1974, the university assumes the trust and obligation to ensure full protection of student records which includes maintaining the confidentiality of educational records. The administrative procedures outlined in this section are to be complied with by university personnel who have or accumulate educational records which are in a personally identifiable form. The term "student" in this section means an eligible student under FERPA (a student at VCSU).

Student records maintained by the university fall into two general categories: directory information and educational records. This policy defines Directory Information, as required under State Board of Higher Education Policy 503.2. Policies regarding Educational Records may be found in the Student Handbook.

Directory Information

Directory information is information concerning a student which may be released publicly. It includes the following:

1. Student legal name*
2. Hometown (city, state)
3. Campus e-mail address**
4. Height, weight and photos of athletic team members
5. Major field of study (all declared majors)
6. Minor field of study (all declared minors)
7. Class level
8. Dates of attendance
9. Enrollment status (withdrawn, half-time, full-time)
10. Names of previous institutions attended
11. Participation in officially recognized activities and sports
12. Honors/awards received
13. Degree earned (all degrees earned)
14. Date degree earned (dates of all degrees earned)
15. Photographs and video recordings of students in public or non-classroom settings (photographs from classrooms or class-related activities are NOT directory information)

Under the Family Educational Rights and Privacy Act, students have the right to request directory information not be made public by contacting the Office of the Registrar. Campuses will honor student requests to withhold directory information until the student makes the request in writing to lift the restriction.

The university receives inquiries for 'directory information' from a variety of sources including, but not limited to, prospective employers, other colleges and universities, graduate schools, licensing agencies, government agencies, news media, parents, friends, and relatives. VCSU has no responsibility to contact a student for subsequent permission to release directory information after the student has requested a restriction.

* If a student provides a preferred name, the college or university tries to use it when communicating directly with the student. The preferred name is also used in class/grade rosters, academic requirement reports, email addresses, etc. Preferred name is a supported business practice, unless there is a documented business or legal reason to use a student's legal name. When communicating with outside third parties, including parents, the college or university generally uses a student's legal name. Please note the collection and use of preferred names across campuses is an evolving practice.

** Campus email addresses are only disclosed to requestors who agree to not use them for solicitation.

Educational Records

Educational records are those records, files, documents, and other materials which contain information directly related to a student's academic progress, financial status, medical condition, etc. and are maintained by Valley City State University or a party acting on behalf of the university. Educational records include more than academic records. Educational records, with the exception of those designated as directory information, may not be released without the written consent of the student to any individual, agency, or organization other than specifically authorized personnel. A complete copy of the VCSU Student Record Policy can be found in the Student Handbook.

Records of former students, including deceased former students, shall remain confidential for as long as the records are maintained. Such records may only be disclosed to the student or at the student's written, signed request, except those records of deceased former students may be released or disclosed at the request of a parent, personal representative, or other qualified representative of the student's estate, or pursuant to a court order or subpoena.

Distance Learning at VCSU

(800) 532-8641 extension 37202

(701) 845-7202

www.distancelearning.vcsu.edu/ (<http://online.vcsu.edu>)

Distance Learning at VCSU

VCSU seeks to advance quality distance learning opportunities for traditional and nontraditional students through access to courses and degree completion.

Distance Learning students should expect the same level of academic rigor from a distance learning course as from a course delivered in a traditional classroom setting. The VCSU Schedule and the Distance Learning website provide a list of distance learning courses and programs.

We offer several options for full, bachelor's level programs, a Master of Arts in Teaching program, a Master of Science in Business Information Systems, and a Master of Education program with six concentrations.

Online

Delivered principally through Internet technologies, online courses can facilitate different learning styles, foster more active and independent learning, and provide greater access to higher education. On-campus attendance is not required for class participation. Students can work with course materials at their own convenience or they can collaborate on class projects using web-based communication tools. Through technology and innovation, VCSU online courses expand the boundaries of the traditional classroom.

Hybrid

Hybrid courses combine face-to-face classroom instruction with web-based or online components that replace seat time. By presenting a significant amount of course content online, reduced classroom time can be spent more efficiently and effectively. Hybrid courses unite the benefits of the traditional classroom with the advantages of online learning to promote more active independent learning.

Online Programs at VCSU

The following programs are available in an online-only format for distance students.

Online Major Degree Programs

- Master of Arts in Teaching
- Master of Education (with concentrations in Elementary Education, English Education, Library and Information Technologies, Teaching and Technology, Teaching English Language Learners, Technology Education)
- Master of Science in Business Information Systems
- Bachelor of Applied Science - Management
- Business Administration

- Business Education¹
- Business Process Integration Management
- Career and Technical Education
- English and English Education¹
- History and History Education¹
- Mathematics and Mathematics Education¹
- Music
- Communication
- Social Science
- Technology Education¹

Online Minor Programs and Certificates

- Library Media
- Psychology
- Teaching English Language Learners (Minor) or ESL Endorsement
- M.Ed. Library and Information Technologies Certificate
- M.Ed. Teaching English Language Learners Certificate (ELL)
- Technology Education
- Customer Relationship Management Certificate
- Enterprise Applications Certificate

State Authorization Notice to Online Students

If you live outside of North Dakota, please check which programs are available to be delivered to where you live. Programs listed above may include learning experiences that require additional authorizations in certain states that VCSU may not currently have. If you live outside of North Dakota, please check which programs are available to be delivered where you live.

Out-of-State Licensure

Valley City State University's nationally accredited education programs meet requirements for North Dakota teacher licensure. Although most states accept our teacher education program graduates for licensure, VCSU cannot confirm nor advise that education programs meet requirements for every state. Students seeking licensure in states other than North Dakota should contact the appropriate licensing board in the state in which they are pursuing licensure.

Please see NC-Sara Chart of Reciprocity (<https://www.vcsu.edu/sara/nc-sara-chart-of-reciprocity/>) for guidance for out of state licensure.

Technical Requirements

All distance learners must comply with minimum technical requirements when taking online courses. For more information, see technical requirements (<http://online.vcsu.edu/vp.htm?p=3485>).

¹ May include learning experiences that require additional authorizations in certain states that VCSU may not currently have.

Allen Memorial Library



Director for Library Services

Jennifer Jenness
Allen Memorial Library 113
(701) 845-7275

Front Desk: (701) 845-7277
(800) 532-8641, extension 37277
FAX: (701) 845-7284

Text Reference: (701) 401-4229
Email: library@vcsu.edu
<http://library.vcsu.edu> (<http://library.vcsu.edu/>)

Hours

During the academic year, the library is open Monday–Thursday 7:45 a.m. to 9:00 p.m., Friday 7:45 a.m. to 4:00 p.m., and Sunday 5:00 to 9:00 p.m. Finals week, holiday and summer hours may vary; please call or check the library website (<http://library.vcsu.edu/vp.htm?p=2105>) for the most current information.

Allen Memorial Library

The university's library is located at the heart of the VCSU campus, between McFarland Hall and the Student Center. Databases, streaming video and music, ebooks, and other digital resources are online and accessible 24 hours a day, and resources and services such as physical books, access to printers, 3D printing, and other equipment, and in-person reference assistance are available during regular library hours. The library offers building-wide WiFi, meeting areas and small-group study rooms, a silent study area, a Makerspace, and classroom spaces. Group Study Rooms can be reserved online from the library website.

Allen Memorial Library was named after Carlos Eben Allen, the 3rd president of Valley City State University, and opened its doors in 1951. It presently houses more than 100,000 books, periodicals, microforms, and nonprint materials, and maintains a robust digital collection. The collection's strengths reflect the curricular strengths of the university: education, business, information science, the arts, as well as general science, mathematics, humanities, and social sciences.

Mission

Allen Memorial Library supports the discovery, evaluation, and creation of knowledge in a learner-centered environment.

- Support the university's vision of delivering distinctive, learner-centered experiences
- Promote critical thinking, inquiry, and intellectual engagement
- Provide high-quality resources, information literacy instruction, and reference services to all members of the VCSU community, both on-campus and online
- Collect and promote a diverse array of learning materials and resources
- Serve as a student-focused destination for reference, research, collaboration, and study

Services

The library's website (<http://library.vcsu.edu/>) provides customized access points for a variety of resources including links to the state-wide library catalog, state and federal government documents, online ebooks, eReserves, electronic journals, and many other resources. On-campus access to all resources is seamless, while members of the VCSU distance community can access library resources through a simple login. The library continually reviews online and electronic resources to provide the best resources possible for our students, faculty, and staff.

Allen Memorial Library offers professional reference services in person and via chat or text from 9:00 a.m. to 4:00 p.m. Monday through Friday. Additional reference, eReference and reference-on-call services and information literacy opportunities for faculty, staff and students can be made by arrangement.

The Building

The main level of Allen Memorial Library houses the Curriculum Library which supports the Teacher Education program as well as the University's undergraduate and graduate library education programs. It provides a representative collection of pre-school through high school instructional resources including textbooks and instructional multimedia, along with children's fiction and nonfiction books.

Customized Study Areas

Library users are invited to study collaboratively in a casual setting on first and second floor areas of the library where conversation, watching TV and social interaction is encouraged. Other study areas located throughout the building include small group study rooms, individual study areas, and a Quiet Study space. Cell phone use is permitted in all areas except the Quiet Study area; however, cell phone users are encouraged to step away from study areas when having extended conversations to respect the needs of others.

Special Collections

Special collections include:

- The North Dakota and North Dakota Documents Collection
- The Larry Woiwode Manuscript Collection
- The James D. Ployhar Score Collection
- The VCSU Archives

VCSU Bookstore



(701) 845-7141
bookstore.vcsu.edu (<http://bookstore.vcsu.edu>)

The Bookstore, located on the main level of the Memorial Student Center, carries a variety of office supplies, giftware, and apparel.

Textbook and book buyback policies are managed by the Bookstore. The textbook area is located in the lower level of the Student Center. Questions or comments should be directed to the bookstore manager (todd.rogelstad@vcsu.edu).

The Teacher Education Program

Mission

The mission of the School of Education is to prepare teacher candidates to become competent teachers capable of making sound decisions in the areas of elementary education, secondary education, middle school, early childhood, reading, English Language Learners, special education, and science, technology, engineering, and mathematics (STEM) education. Graduates need to be skilled in teaching and guiding students from varying backgrounds who possess a multitude of unique experiences, strengths, and needs. The School's program is built upon the belief that competent teachers are knowledge-based decision-makers. This is reflected in the program's goals and objectives.

Accreditation and Program Approval

The Teacher Education Program has a long-standing history of national accreditation by the National Council for Accreditation of Teacher Education (NCATE) since 1954. NCATE has transitioned into the Council for the Accreditation of Educator Preparation Higher Education Accreditation (CAEP). CAEP is recognized by the U.S. Department of Education and the Council for Higher Education Accreditation to accredit programs for the preparation of teachers and other professional school personnel. The CAEP Standards focus on the following five areas:

- Content and Pedagogical Knowledge
- Clinical Partnerships and Practice
- Candidate Quality, Recruitment, and Selectivity
- Program Impact
- Provider Quality, Continuous Improvement, and Capacity

The Teacher Education Program at Valley City State University is also approved by the North Dakota Education Standards and Practices Board (ESPB).

Program Learning Outcomes

Content majors will demonstrate learning outcomes defined by their course of study and the teacher education learning outcomes:

1. Teacher candidates apply knowledge and skills to **plan** a unit that meets the needs of students in a P-12 classroom.
2. Teacher candidates apply knowledge and skills to **implement** a unit that meets the needs of students in a P-12 classroom.
3. Teacher candidates apply knowledge and skills to **evaluate** student learning during a unit taught to students in a P-12 classroom.
4. Teacher candidates apply knowledge and skills to **reflect** on student learning and their own practice as

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a teacher during a unit of teaching students in a P-12 classroom.

The teacher education program can be described as having three major domains:

Domain I: General Education: To help teacher candidates acquire a broadly-based liberal arts education needed to function as informed members of our society and within the teaching profession.

Domain II: Specialty Studies: To prepare teacher candidates who possess strong backgrounds within each subject area they will teach.

Domain III: Professional Studies: To prepare teacher candidates to function in a variety of educational settings and with students of diverse backgrounds, abilities, and needs.

Goals

The broad goals of the teacher education program at Valley City State University are outlined in the conceptual framework.

Conceptual Framework

Many of the decisions educators make relate to the teacher candidate's efforts to: (1) plan, (2) implement, (3) evaluate, and (4) reflect upon what they know and are able to do. These components of the VCSU conceptual framework are emphasized throughout the program and the teacher candidates' field experiences.

Plan

While planning, the teacher candidates must make decisions regarding areas such as, goals and objectives, the degree of background building required, connections to standards and curriculum, specific materials and methods to use. The planning of instruction is based upon knowledge of the subject matter, the students in the classroom, and the curriculum goals.

Implement

The implementation function requires the teacher candidates to carry out the plans that have been made. During the actual teaching phase, numerous decisions need to be made, often quickly, as the teacher candidates respond to students' reactions, comments, and instructional needs. Teacher candidates learn to value the development of their students' critical thinking, problem-solving, and performance skills. At times, these skills require a variety of instructional strategies, questioning skills, and teacher flexibility to come to the surface. As a result, modification of prepared plans becomes the rule rather than the exception.

Evaluate

During the evaluation phase of decision making the teacher needs to determine the degree to which the instructional objectives were attained. Teachers must apply ongoing formal and informal assessment strategies to identify what and to whom re-teaching is required, and to what level of understanding the students have learned the skill or content

from the experience. Evaluation information must be recorded to identify student strengths and monitor progressive student growth.

Reflect

Planning, implementation, and evaluation are done by using feedback in a reflective manner. During the entire process, it is essential the decision-maker realizes that professional growth and development is continuous.

VCSU School of Education Learning Objectives and Standards

The following objectives provide direction for the design of the teacher education program and alignment with the Interstate Teacher Assessment Support and Assessment Consortium (InTASC). The program is designed to prepare teacher candidates who:

1. Supports students' learning and development while recognizing that patterns of learning and development vary among individuals (InTASC Standard 1).
2. Utilizes awareness of individual differences and diverse communities to ensure inclusive learning environments that allow each learner to reach his/her full potential. (InTASC 2)
3. Works with learners to create environments that support individual learning, encouraging positive social interaction, active engagement in learning, and self-motivation as well as possessing the knowledge and skills to manage a classroom effectively. (InTASC 3)
4. Effectively teach subject matter. (InTASC 4)
5. Possess an understanding of the main ideas used in facilitating student higher-level thinking and creating learning experiences that allow learners to apply problem-solving skills. (InTASC 5)
6. Connect concepts and uses differing perspectives to engage learners in critical/creative thinking and collaborative problem solving related to authentic local and global issues. (InTASC 5)
7. Use multiple methods of assessment to engage learners in their own growth, to document learner progress, and to inform the teacher's ongoing planning and instruction. (InTASC 6)
8. Draw upon knowledge of content areas, cross-disciplinary skills, learners, the community and pedagogy to plan, implement and evaluate instruction that supports every learner in meeting rigorous learning goals. (InTASC 6, 7, and 8)
9. Integrate technology effectively to enhance learning. (InTASC 7 and 8)
10. Apply a variety of instructional strategies to encourage learners to develop deep understanding of content areas and their connections, and to build skills to access and appropriately apply information. (InTASC 8)
11. Utilize effective communication skills of listening, reading, writing and speaking. (InTASC 8)
12. Are reflective practitioners who use evidence to continually evaluate his/her practice, particularly the effects of his/her choices and actions on others (students, families,

and other professionals in the learning community), and adapts practice to meet the needs of each learner. (InTASC 9)

13. Collaborate and communicate with students, families, colleagues, other professionals, and community members to share responsibility for student growth and development, learning, and well-being. (InTASC 10)

Exhibit the professional and personal characteristics of effective teachers such as responsibility, fairness, enthusiasm, cooperativeness, and ethical behavior. (InTASC 9 and 10)

Delivery of Curriculum

The program provides an opportunity for teacher candidates to acquire entry-level teaching knowledge and skills through university courses and field-based experiences. Some of the field-based experiences take place in university classrooms, but most of the field-based experiences occur in grades K-12 public school classrooms.

Field-based experiences commence with an Introduction to Education course and continue through the senior year. Student teaching, a twelve-week experience, is completed during the senior year and is the apex of the entire teacher preparation program.

Courses and field experiences are organized into three broad areas—foundation studies, specialty studies, and professional studies. The preparation of teacher candidates is closely guided by the university faculty and cooperating public school classroom teachers. A carefully designed method to provide instruction and experiences includes a multi-method system to provide feedback to and evaluation of teacher candidates learning and performance.

Admission to Teacher Education

Teacher Candidates are admitted to study at Valley City State University based on academic and personal qualifications, consistent with the admissions policies established for all public colleges and universities in the state. The admittance and continuance requirements of the Teacher Education Program go beyond those of the institution. Teacher Candidates are typically admitted into teacher education during their sophomore year or the beginning of the junior year. While enrolled in EDUC 250 Introduction to Education, the introductory course to Teacher Education, the VCSU Teacher Education Program Handbook is reviewed online. Enrollees are given application forms to complete and submit to the School of Education Dean (SOE) and the Teacher Education Committee.

Criteria for Admission to Teacher Education

The teacher candidate who intends to pursue a program in teacher education must apply to the Teacher Education Committee and be approved for admission to the program. The teacher candidate must meet the following criteria to be considered for admission:

1. A minimum cumulative grade point average of 2.75.
A teacher candidate seeking admission to Teacher Education with a cumulative GPA between 2.50 and 2.74 may appeal (see appeal procedure and policy in the Teacher Education Handbook).
2. Satisfactory academic performance with a “C” or better in Comp I: ENG 110, 210, or equivalent
3. Satisfactory academic performance with a “C” or better in Comp II: ENG 120, 125, or equivalent.
4. Satisfactory academic performance with a “C” or better in EDUC 250: Introduction to Education.
5. Successful completion of a speech screening test.
6. Written recommendation from the advisor,
7. Written recommendations from two School of Education faculty.
8. Meet the basic skills in reading, writing, and mathematics for admission to the Teacher Education Program by passing scores on the Praxis Core Academic Skills for Educators **or** the ACT + Writing exam. The passing score requirements are determined by the ND Education Standards and Practices Board (ESPB) and followed by VCSU.
A teacher candidate seeking admission to Teacher Education who have not met the ND Education and ESPB requirements can apply for the Basic Skills PRAXIS CORE or ACT Appeal. Students must have three attempts in PRAXIS CORE or ACT + Writing exams prior to appeal.
9. Demonstrate proper dispositions necessary to teach for learning and completion of required field experience.

The Teacher Education Committee will review the documentation and make a recommendation to the School of Education (SOE) Dean to accept or deny the application for admission to the program. If the teacher candidate is denied admission due to a condition that can be corrected, the teacher candidate may reapply when the deficiency is removed.

Continuance in Teacher Education

To continue in the Teacher Education program, the teacher candidate must:

1. continue to maintain cumulative grade point average requirements set forth in Criteria for Admission to Teacher Education.
2. demonstrate proper disposition and evidence of good conduct, physical and mental health (Mental health is **defined** as a state of well-being in which every individual realizes his or her own potential, can cope with the normal stresses of life, can work productively and fruitfully, and is able to contribute to her or his community.); and
3. continue to obtain satisfactory recommendations from faculty, staff, and field-based experience supervisors.

If requirements for continuance are not maintained, the Teacher Education Committee may recommend suspension from the program. The Committee will forward its recommendation to the SOE Dean who will make the final

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decision. Any such action would be reflected in a letter from the SOE Dean to the teacher candidate and the advisor.

Student Teaching

Student teaching is the culminating experience of the Teacher Education Program. During this time, Teacher Candidates apply what they have learned about theory and methodology through their university coursework and earlier field experiences. Student teaching provides an opportunity to plan and implement interesting, relevant lessons, as well as use a variety of assessment techniques to determine both the effectiveness of instructional strategies and the level of student learning.

Teacher candidates will utilize the Teaching for Learning Capstone (TLC) unit model to plan, implement, evaluate, and reflect on one unit of instruction during their student teaching experience. Student teaching experiences allow for application of the VCSU conceptual framework, adaptations for diversity, appropriate uses of technology, assessment of student learning, and reflection on teaching practice. Skills in decision making, various instructional strategies, classroom management procedures, and questioning are further enhanced.

Student Teaching requires at least 12 full-time consecutive weeks. VCSU promotes co-teaching strategies to make optimal use of teacher candidate and cooperating teacher efforts to enhance student learning opportunities in the classroom.

Criteria for Admission to Student Teaching

A student must meet the following criteria to be considered for admission to student teaching:

1. Senior standing with continued satisfactory performance on all criteria for admission and retention in the teacher education program. Recommendations by a representative of Student Affairs and the appropriate department/school chair will be reviewed.
2. Completion of all required field experiences including annual criteria for substitute teaching.
3. Completion of the professional education sequence before student teaching. The Director of Student Teaching in consultation with the School of Education Dean may make exceptions to this criterion if circumstances warrant.
4. Submission of student teaching application to the Director of Student Teaching during the semester preceding the semester of student teaching.

Requirements to Student Teach

1. Agreement to provide evidence of personal liability insurance by joining the Student North Dakota United (SNDU) or by a private insurance policy, with the minimum requirement of \$1,000,000 or greater per cooperating school. The student will present proof of such insurance on or prior to the first day of the semester of student teaching.
2. A criminal background investigation through Education Standards and Practice Board (ESPB) that includes the

Bureau of Criminal Investigation and Federal Bureau of Investigation must be completed prior to student teaching.

3. Submission of Praxis II test scores or a confirmation number of registration for the Praxis II tests (content and Principles of Teaching & Learning [PLT]). See www.ets.org/praxis/nd/requirements for test requirements.
4. Meet state standards on North Dakota required tests to measure prospective teacher's content knowledge in reading, writing, and mathematics.
5. During student teaching, students will not be allowed to take any semester hours of credit during the 12 weeks of student teaching without approval of the Director of Student Teaching. Students who request to take more than three semester hours of credit during the 12 weeks of student teaching, will need approval from the SOE Dean. Any requests for exceptions must be presented in writing to the Director of Student Teaching. Classes cannot be taken during the daily full-time student teaching assignment block.

Valley City State University reserves the right to have the student meet additional requirements that the School of Education may establish. The Teacher Education Committee will review the application and recommend to the Dean to approve or deny the application for admission to student teaching.

Criteria for Licensure Recommendation

In order to be recommended for Teacher Licensure, a student must meet the following requirements:

1. Satisfactory completion of all program requirements, as described in the University Catalog and the Teacher Education Program Handbook.
2. Successful student teaching experience.
3. Successful completion of TLC unit.
4. Successful completion of all licensure requirements.

The School of Education responds to requests for information from the North Dakota Education Standards and Practices Board for issuance of a teaching license.

Out-of-State Licensure

Valley City State University's nationally accredited education programs meet requirements for North Dakota teacher licensure. Although most states accept our teacher education program graduates for licensure, VCSU cannot confirm nor advise that education programs meet requirements for every state. Students seeking licensure in states other than North Dakota should contact the appropriate licensing board in the state in which they are pursuing licensure.

APPEAL AND PETITION PROCESS FOR TEACHER EDUCATION

GPA Appeal

- A teacher candidate seeking admission to Teacher Education with a cumulative GPA between 2.50 and 2.74 may appeal to be considered for approval to Teacher Education by the Teacher Education Committee. The candidate must have a 2.75 GPA in the candidate's

education major(s) or a minimum cumulative GPA of 2.75 in the past two semesters. The teacher candidate must also have acceptable dispositions and field experience evaluations.

Basic Skills ACT or PRAXIS CORE Exam Appeal

- VCSU teacher candidates demonstrate basic skills in reading, writing, and mathematics for admission to the Teacher Education Program by meeting the required scores on the Praxis Core Academic Skills for Educators or the ACT + Writing exam. The passing score requirements are determined by the ND Education Standards and Practices Board (ESPB) and followed by VCSU.
- A Basic Skills or Praxis Core appeal process for an alternative path into the Teacher Education Program may be initiated after a teacher candidate has tried at least three times to meet the state licensure expectations for the Praxis I Core or ACT exam. The appeal process provides a teacher candidate with an opportunity to communicate evidence of basic skills knowledge as a potential alternative to the standardized Praxis I Core or ACT exam.

Teaching for Learning Capstone or Portfolio Appeal

- All teacher education graduates must complete an approved TLC Unit or digital portfolio to be recommended for certification. Any student with an unapproved TLC unit or digital portfolio will have his/her file reviewed by an ad hoc appeal committee consisting of faculty selected by the School of Education Dean.

Appeal Regulations for Teacher Education Admission

- *Teacher candidates seeking an exception to policies, regulations, or academic requirements of the Teacher Education Program may submit a written petition requesting exemption to the Teacher Education Appeals Committee. Items which teacher candidates may appeal, include requirements regarding the grade point average and/or record of good conduct OR Basic Skills ACT or PRAXIS CORE, and Teaching for Learning Capstone or Portfolio.*
- *The Teacher Education Appeals Committee, comprised of three faculty members from the Teacher Education Program, will consider the evidence and make a recommendation in the matter. All recommendations and actions of this committee are advisory in nature to the School of Education Dean who will render a final decision in a timely manner.*
- *Teacher candidates wishing to appeal any recommendation of the Teacher Education Appeals Committee, or a decision of the School of Education Dean should consult the Student Handbook, which details final appeals procedures under the University Hearings and Appeals Board.*

methods courses. Criteria for admission into the Teacher Education Program includes academic achievement, disposition performance, and meeting the ND Praxis or ACT test requirements.

A one semester methods course appeal waiver of meeting GPA program admission requirements or the ND Praxis/ACT exam testing requirement may be considered under the following conditions:

1. Recommendation from advisor
2. Student has attempted and made progress in completing Praxis requirements
3. Student demonstrates a future plan of utilizing support resources for successfully completing Praxis requirements
4. Recommendation will be reviewed and approved or denied in writing by the SOE Dean
 - a. Consideration for secondary education major students would include one content methods course
 - b. Consideration for elementary education major students would include two content methods courses

Methods Course Appeal

Admittance into the Teacher Education program is required prior to registering for content area or program area

Departments

- Department of Art (p. 40)
- Department of Business (p. 45)
- Department of Communication Arts (p. 52)
- Department of Computer Systems and Software Engineering (p. 56)
- Department of Kinesiology and Human Performance (p. 61)
- Department of Language and Literature (p. 69)
- Department of Mathematics (p. 74)
- Department of Music (p. 77)
- Department of Science (p. 86)
- Department of Social Science (p. 95)
- Department of Technology (p. 103)
- School of Education and Graduate Studies (p. 106)

Department of Art

Center for the Arts

Department Chair: Angela Mircsov, M.F.A.

Assistant: Paula Larson

paula.larson@vcsu.edu

(800) 532-8641 extension 37272

(701) 845-7272

(701) 845-7264

www.vcsu.edu/departments/art (<https://www.vcsu.edu/departments/art/>)

At VCSU, all students benefit from developing aesthetic responsiveness, cultural awareness, and a historical and contemporary perspective of the visual arts. Arts-related careers include K-12 art education, graphic and web design, professional study of art, and non-profit arts administration.

Our students benefit from small class sizes, a close-knit student community, opportunities for professional development, and community outreach projects through the VCSU Art Alliance.

The VCSU Gallery features prominent artists from across the region and nation. Current student works are featured throughout the year in the VCSU Gallery. The vibrant Visiting Artist Program invites a diverse range of contemporary visual artists to exhibit in the VCSU Gallery and interact with students through workshops, studio visits, and judging the annual Student Exhibition.

Art and cultural centers are easily accessible from VCSU, including the Jamestown Center for the Arts, the Plains Art Museum, the Rourke Art Museum, the North Dakota Museum of Art, Bluestem Center For The Arts, and major galleries in downtown Fargo/Moorhead.

Alumni of VCSU's Art Department have gone on to rewarding careers as professional artists and entrepreneurs, and non-profit arts administrators.

Art Learning Outcomes

VCSU Art Major will:

1. Demonstrate proficiency in the studio arts or digital arts.
2. Demonstrate an awareness of the social impact of art by contributing to the cultural environment of the campus and community.
3. Demonstrate an understanding of historical and contemporary world art dialogues and design dialogues.
4. Demonstrate professional preparedness.

Brown, Gratia (2019) Assistant Professor; B.A. University of Pittsburgh, M.F.A. Edinboro University of Pennsylvania

Ephrim, Ekow (2020) Assistant Professor; B.A. University of Education Winneba, Ghana; M.F.A. Indiana University Bloomington

Mircsov, Angela (2018) Assistant Professor; B.F.A. Millikin University, M.F.A. Lindenwood University

Majors

- Art - Composite (B.A., B.S.) (p. 120)
- Art Education (B.S. in Education) (p. 124)
- Digital Design (B.A., B.S.) (p. 207)

Minors

- Art (p. 354)
- Art Education (p. 354)
- Digital Design (p. 356)

Associate of Arts

- Associate of Arts-Digital Design Concentration (p. 349)

Certificate

- Digital Design (p. 366)

ART 110. Introduction to the Visual Arts. 3 Credits.

A study of the visual arts of western and nonwestern cultures with an emphasis on understanding art and artmaking through form, content, and cultural context.

Typically Offered: Fall, Spring.

ART 115. Introduction to Digital Media. 3 Credits.

Students are introduced to essential foundation of digital media theory, practice, and tools. The course covers basic knowledge of computer skills, terminologies and the use of software for creating digital art and related works. Topics include creative applications of text, graphics, image, video, and audio. Course required of all art majors.

Typically Offered: Fall, Spring.

ART 120. Painting I. 3 Credits.

Students develop the foundational skills required working in non toxic painting media. Developing skills with black and white tonal ranges to color theory. Students progress through a series of projects that build skill and exposure to a diversity of contemporary painting practices. Working from observation, abstraction and digital processes to explore varied approaches to painting. Students will investigate materiality, design, historical context and concept. This course may not be audited.

Typically Offered: Spring, odd years.

Prerequisite: ART 122.

ART 122. Two-Dimensional Design. 3 Credits.

A basic course in the study of two-dimensional design for the studio artist. Students are introduced to formal art theory, vocabulary, and techniques in creating two-dimensional artworks. Topics include composition, content, and both traditional and digital presentation skills. This course may not be audited.

Typically Offered: Fall.

ART 124. Three-Dimensional Design. 3 Credits.

A basic course in the study of three-dimensional design for the studio artist. Students create three-dimensional forms through the exploration of material and design theory. Coursework includes developing decision making skills through studio projects and the analysis of artwork.

Typically Offered: Spring, even years.

ART 130. Drawing I. 3 Credits.

An introduction to the fundamentals of freehand drawing with an emphasis on representational drawing skills, perception, and traditional drawing materials. An emphasis will be on visual thinking through observation, analysis, and expression. This course may not be audited.

Typically Offered: Spring.

ART 150. Ceramics I. 3 Credits.

Students are introduced to basic clay forming and surface design techniques. Topics include the pottery wheel, hand building, glazing, art historical themes, and the development of concept and personal expression through clay. This course may not be audited.

Typically Offered: Fall.

ART 170. Printmaking I. 3 Credits.

Students are introduced to printmaking processes and equipment. Topics include relief, planographic, and intaglio print techniques, art historical themes, and the development of personal voice in image-making. This course may not be audited.

Typically Offered: Spring, even years.

Prerequisite: ART 122.

ART 180. Photography I. 3 Credits.

Introduction to basic Photography. Students are introduced to digital photography. The course covers the fundamentals of capturing photographic images using a DSLR camera, including exposure settings, digital camera settings, download, file storage, and organization. Emphasis is placed on developing an understanding of composition, visual communication, basic photo editing tools, and printing. Demonstrations, lectures, and presentations supplement hands-on practice. Basic computer literacy is required.

Typically Offered: Fall.

ART 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ART 210. Art History I. 3 Credits.

A survey of western art from Paleolithic to the Renaissance. Students examine world art through historical objects and sites from prehistoric, ancient, and medieval periods. Students analyze visual art objects from stylistic, historical, political, religious, and anthropological perspectives. Topics include Paleolithic Rock Art Sites, Ancient Near East and Egypt, Ancient Greek and Roman, Early European Medieval, Ancient Medieval China and Japan, Southeast Asian Buddhist, and the Pre-Columbian Americas.

Typically Offered: Fall, even years.

ART 211. Art History II. 3 Credits.

Art survey of western art from Renaissance to the present. Students study world artwork from the Renaissance, Early Modern, and Modern periods, approximately the late 14th century through the early 20th century. Students analyze artwork from stylistic, historical, political, and religious perspectives. Topics include Renaissance Europe, European colonialism, colonial and early American art, South American independence, Native American traditions, and Modern Art and World War II.

Typically Offered: Spring, odd years.

ART 215. Graphic Design I. 3 Credits.

Students learn the fundamentals of visual communication and techniques. This project-based course is an intensive exploration of the fundamental principles of graphic design. Topics include typography, color, composition, and principles of visual organization.

Typically Offered: Fall.

Prerequisite: ART 115.

ART 221. Painting II. 3 Credits.

Students will advance on current skills learned in ART 120 and develop an understanding theory and history of color in painting. Color is both a descriptive and a formal compositional element. It can express or deny spatial depth and the illusion of form, as well as create various sensory and psychological effects. This course may not be audited.

Typically Offered: Fall, even years.

Prerequisite: ART 120.

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ART 225. Digital Imaging I. 3 Credits.

Students learn the principles and fundamental techniques for creating and manipulating raster images for print and web applications using digital software. Course focus on creation, manipulation, aesthetic approaches, and inputs and outputs as it applies to digital imaging.

Typically Offered: Fall, odd years.

Prerequisite: ART 115 and ART 180.

ART 230. Drawing II. 3 Credits.

A foundation course with the emphasis on the formal and conceptual nature of drawing. This course is designed to challenge and develop the student's invention and imagination. Introduction to color media and theory. This course may not be audited.

Typically Offered: Fall.

Prerequisite: ART 130.

ART 233. History of Craft. 3 Credits.

Students examine historical events and contemporary social issues through the lens of craft material and techniques. The creation of craft projects complements the discussion of scholarly theory and traditional and contemporary craft practices. Topics include the Arts and Crafts Movement, Industrial Revolutions, the Bauhaus, gender and craft, the DIY movement, and socially engaged art activism.

Typically Offered: Fall.

ART 235. Digital Illustration I. 3 Credits.

Students learn the basic computer illustration software and techniques. Students create vector images for quality digital illustrations. Emphasis on the fundamentals of composition and design, and the proper use of equipment and materials along with the development of professional studio skills.

Typically Offered: Spring, even years.

Prerequisite: ART 115 and ART 130.

ART 245. Introduction to Web Design. 3 Credits.

The fundamentals of multimedia tools are introduced to students for webpage design and applications. This project-based course focuses on the overall aesthetics, typography, color choices, principles for organizing the user interface for user experience, prototyping an interactive project, and issues surrounding usability.

Typically Offered: Fall, odd years.

ART 251. Ceramics II. 3 Credits.

Students develop technical skills learned in Ceramics I. Topics include conceptual development, technical problem shooting, and basic kiln firing. This course may not be audited.

Typically Offered: Spring, even years.

Prerequisite: ART 150.

ART 265. Sculpture I. 3 Credits.

Students are introduced to basics of sculpture through the study of history, techniques, process, and concept. Coursework materials might include fiber, wood, found objects, and clay. This course may not be audited.

Typically Offered: Spring, odd years.

ART 266. Sculpture II. 3 Credits.

Students expand upon skills introduced in Sculpture I. New materials and techniques are introduced to build creative problem solving abilities.

Typically Offered: Spring, odd years.

Prerequisite: ART 265.

ART 271. Printmaking II. 3 Credits.

Students develop Printmaking I technical skills and explore new processes. Topics include relief, intaglio, planographic techniques, art historical themes, and the development of personal voice in image making. This course may not be audited.

Typically Offered: Fall, odd years.

Prerequisite: ART 170.

ART 280. Photography II. 3 Credits.

Students explore image manipulation as it relates to digital photography. Technical skills covered include studio lighting, photo editing techniques, and outputting techniques for print. An overview of artists working with digital photography is provided. Lectures and demonstrations supplement hands-on practice.

Typically Offered: Spring.

Prerequisite: ART 180.

ART 294. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ART 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ART 309. Art Business. 3 Credits.

An introductory course that assists the student in understanding the business of art. Gives students a foundation in tax laws; copyright; commissions; contracts; wholesale and retail sales; and the operation of galleries, museums, and the online art environment.

Typically Offered: Spring, even years.

ART 311. Art History III. 3 Credits.

This is an intermediate course covering European and American art and art theory from 1945 to the present. Examines the major movements of High Modernism and Post-Modernism (including Surrealism, Abstract Expressionism, Pop Art, Performance Art, Minimalism, and Appropriation) in relation to biographical and formal concerns, contemporary social and political conditions, and current art history debates.

Typically Offered: Fall, odd years.

Prerequisite: ENGL 120 or ENGL 125.

ART 315. Graphic Design II. 3 Credits.

Students build on Graphic Design I by exploring the interaction of text and images. Topics include page layout, brand identity development, visual storytelling, and marketing concepts for visual communication. This course may not be audited.

Typically Offered: Spring.

Prerequisite: ART 215.

ART 321. Painting III. 3 Credits.

Students engage in the process of building an image vocabulary. Various means of working with a personal bank of images are introduced, including serial processes, journals and working from memory. Final portfolio engages new forms of technology and substrates for display. This course may not be audited.

Typically Offered: Fall, even years.

Prerequisite: ART 221.

ART 325. Digital Imaging II. 3 Credits.

Students develop skills introduced in Digital Imaging I to develop technical skills and creative problem solving. Students further explore the potential use of digital imaging as critical artistic expression. Contemporary issues in digital imaging will be emphasized.

Typically Offered: Fall, even years.

Prerequisite: ART 225.

ART 330. Drawing III. 3 Credits.

Comprehensive drawing, from composition to perspective. An intensive drawing studio covering the historic principles of drawing and their place in contemporary practice. Provides an in-depth investigation of line, perspective, the figure, gesture, space, atmosphere, erasure, etc. Through the repeated physical activity of drawing, students will refine their intellectual powers of observation and visualization. This course may not be audited.

Typically Offered: Fall.

Prerequisite: ART 230.

ART 335. Digital Illustration II. 3 Credits.

Students develop skills introduced in Digital Illustration I for advanced concepts in layout and composition. Students will develop their own unique and inventive visual problem solving skills. Additional emphasis placed on developing picture idea through research and reference, composition and color application.

Typically Offered: Spring, odd years.

Prerequisite: ART 235.

ART 345. History of Graphic Design. 3 Credits.

A survey of the development of graphic design theory, practice, and technology from the printing press to current professional practices. Topics include the development of handwriting, typefaces, books, posters, history of printing, history of advertising, art and design movements, digital design and typography.

Typically Offered: Spring, even years.

ART 351. Ceramics III. 3 Credits.

Advanced research into ceramic techniques with emphasis on the development of a personal voice and concept. This course may not be audited.

Typically Offered: Spring, even years.

Prerequisite: ART 251.

ART 366. Sculpture III. 3 Credits.

Students develop personal creative voice by building upon skills introduced in Sculpture II.

Typically Offered: Spring, odd years.

Prerequisite: ART 266.

ART 371. Printmaking III. 3 Credits.

Students explore personal research in printmaking with emphasis on the development of technique and concept. This course may not be audited.

Typically Offered: Fall, odd years.

Prerequisite: ART 271.

ART 380. Photography III. 3 Credits.

This studio-based course engages students in non-traditional photographic processes. An advanced exploration of digital photography, emphasizing student development of technique, composition, and style through experimental methods and materials to produce a series of printed works for exhibition, edited book, and final portfolio.

Typically Offered: Spring.

Prerequisite: ART 280.

ART 390. Art Methods. 4 Credits.

A study of the principles of learning, instruction and curriculum in K-12 art education programs. Students will develop teaching competencies through mini-teaching experiences, analysis of instructional methods and writing units of study.

Typically Offered: Fall, odd years.

Prerequisite: Admitted to Teacher Education.

ART 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ART 397. VCSU CSA Internship. 1 Credit.

This course allows the student to teach under faculty supervision in the Community School of the Arts. May be repeated for credit. Approval of the Director of the Community School of the Arts required.

Typically Offered: Fall, Spring.

Grading: S/U only.

Repeatable: Up to 4 Credits.

ART 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ART 411. Art History IV. 3 Credits.

This is an advanced course covering special topics in art and cultures, indigenous people, gender and politics, feminism, and current roles art plays in society. Students will create various connections to art history and its influence on today, via lectures, discussions, and performance work.

Typically Offered: Spring, even years.

Prerequisite: ENGL 120 or ENGL 125.

ART 415. Graphic Design III. 3 Credits.

Advanced applications of Graphic Design II techniques as they relate to creative problem solving for design issues. Students will acquire professional problem-solving skills through advanced practical exercises that combine graphic design projects, production, and implementation.

Typically Offered: Spring.

Prerequisite: ART 315.

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ART 420. Advanced Research Studio. 4 Credits.

Students work on independent design and studio research with direction from faculty. Students must submit a proposal for research and a semester plan for approval prior to registering. Only open to students in their final three semesters.

Typically Offered: On sufficient demand.

Prerequisite: Junior Standing or Senior Standing.

Repeatable: Up to 16 Credits.

ART 491. Visual Arts Seminar. 2 Credits.

This course will provide directed studio work and research. To be taken at the end of sophomore year or junior year with the approval of the department chair; the student will work with their faculty to prepare for senior exhibition and the written artist statement according to the established written timeline, resulting in a final artist portfolio.

Typically Offered: Spring, odd years.

Prerequisite: Sophomore Standing or higher.

ART 492. Visual Arts Capstone. 2 Credits.

Capstone course focusing on the continued investigation of the art and design field with emphasis on the student's media area(s) of focus and installation of the Senior Exhibition, Portfolio, and Artist Talk.

Typically Offered: Fall, Spring.

Prerequisite: ART 491.

ART 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ART 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

ART 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Department of Business

Vangstad 120

Department Chair: Brenda Tyre, CPA, CGMA, MBA

brenda.tyre@vcsu.edu

800.532.8641 x37515

701.845.7515

busdept.vcsu.edu (<http://busdept.vcsu.edu>)

Today's global economy is more competitive than ever, and VCSU is a great place to establish an academic foundation for success. VCSU Business Faculty bring real-world experience to the classroom to create a practical learning environment which is reinforced with theoretical knowledge. Faculty strive to develop strong relationships with local businesses to create more opportunities for job shadowing and internships.

The mission of the Department of Business is to offer learner centered business programs that prepare students for careers in a diverse and ever-changing global economy by developing the skills employers identify as vital.

Amah, Peter (2022) Assistant Professor; Ph.D. Gonzaga University

Katuin, Tammy (2018) Assistant Professor; A.S. Reedley College, B.A. Fresno Pacific University, M.B.A. University of North Dakota

Mounts, Taylor (2021) Assistant Professor; B.B.A., M.B.A. Harding University

Ross, Richard (1999) Associate Professor; B.A., B.S. Minot State University, M.S. Tri-College University

Tyre, Brenda (2013) Associate Professor; B.S. Minnesota State University Moorhead, M.B.A. University of Mary; CPA

Wright, Wesley (2022) Assistant Professor; B.S., MAcc Brigham Young University, M.B.A. Florida State University

Majors

- Bachelor of Applied Science - Management (p. 128)
- Business Administration - Composite (B.S.)
 - Agribusiness Concentration (p. 142)
 - Human Resource & Management Concentration (p. 148)
 - Managerial Accounting & Finance Concentration (p. 153)
 - Marketing Concentration (p. 159)
- Business Education - Composite (B.S. in Education) (p. 169)
- Business Education (B.S. in Education) (p. 165)
- Business Process Integration Management - Composite (B.S.) (p. 173)
- Career and Technical Education - Composite (B.S.) (p. 178)

- Career and Technical Education B.S. in Education - Composite (B.S. in Education). (p. 181)

Minors

- AgriBusiness (p. 353)
- Business (p. 355)
- Business Software Applications Minor (p. 355)
- Human Resources (p. 358)
- Marketing (p. 359)

Associate of Arts

- Associate of Arts- Business Concentration (p. 345)
- Associate of Arts- Marketing Concentration (p. 351)

Certificate

- Business Management (p. 364)
- Digital Marketing (p. 366)
- Professional Sales (p. 368)

ACCT 200. Elements of Accounting I. 3 Credits.

An introduction to accounting systems with a special emphasis on journalizing and posting business transactions, preparation of the balance sheet and income statement, and accounting for short-term assets.

Typically Offered: Fall.

ACCT 201. Elements of Accounting II. 3 Credits.

A continuation of ACCT 200 with a special emphasis on accounting for long-term assets and current and long-term debt obligations, corporate equity accounting, and preparation of the Statement of Cash Flows.

Typically Offered: Spring.

Prerequisite: ACCT 200 with a grade of C or better.

ACCT 307. Managerial Accounting and Finance. 3 Credits.

A course designed to help students understand how to use information to effectively plan and control operations. Topics include concepts and tools used in planning, control and decision making.

Typically Offered: Fall.

Prerequisite: ACCT 201.

ACCT 315. Business in the Legal Environment. 3 Credits.

A study of the legal environment of business, governmental regulation, contracts and property.

Typically Offered: Fall, Spring.

ACCT 321. Intermediate Accounting I. 3 Credits.

A study of the more complex issues of corporate reporting theory and techniques such as the conceptual framework, financial statements, valuation techniques, and revenue recognition. The course will explore current financial reporting requirements as well as emerging issues and controversies surrounding financial reporting.

Typically Offered: Fall.

Prerequisite: ACCT 201.

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ACCT 322. Intermediate Accounting II. 3 Credits.

A study of current and emerging financial accounting theory. Topics include techniques used to report financial information, long-term debt, equity, dilutive securities, revenue recognition, leases and accounting changes.

Typically Offered: Spring.

Prerequisite: ACCT 201.

ACCT 355. Taxation of Business Entities. 3 Credits.

A study federal income tax law related to reporting business and investment activities of sole proprietorships, partnerships, and corporations.

Typically Offered: Spring.

Prerequisite: ACCT 201.

ACCT 369. Enterprise Systems. 3 Credits.

An exploration of how enterprise systems help companies integrate business functions and improve business processes. Students will identify and discuss integration points including impacts to accounting.

Typically Offered: Fall, Spring.

Same As: ACCT 369/CIS 369.

ACCT 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ACCT 440. Advanced Accounting Topics. 3 Credits.

A study of selected accounting and reporting issues related to consolidated entities, partnerships, state and local governments, and non-profit organizations. Students will also be introduced to audit procedures relating to the revenue business process and the acquisitions and expenditures business process.

Typically Offered: Fall, even years.

Prerequisite: ACCT 322.

ACCT 450. Principles of Auditing. 3 Credits.

A study of auditing principles and practices including evidence gathering, internal controls, sampling and testing, report writing, ethics, and legal liabilities.

Typically Offered: Fall, odd years.

Prerequisite: ACCT 322.

ACCT 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ACCT 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

AGEC 341. Agricultural Economics. 3 Credits.

An introductory course in agricultural and environmental economics. Explores the relationships between production, food systems, world markets, government programs, farms, agribusiness and the environment.

Typically Offered: Spring, odd years.

AGEC 342. Introduction to Agriculture Management. 3 Credits.

Economic and managerial concepts related to farm or agribusiness production process, development of cost data, enterprise analysis, organization and management of production inputs.

Typically Offered: Fall, odd years.

AGEC 346. Agriculture Commodity Marketing. 3 Credits.

Explores the basics of commodity marketing and demonstrates how to use those tools in risk management. The course will include a commodity market simulation called Commodity Challenge.

Typically Offered: Spring, even years.

AGEC 442. Advanced Farm Management. 3 Credits.

A course that applies economic and financial measurements to production processes and agribusiness operations. Students will focus on profit maximization through proper management and analysis of inputs and outputs.

Typically Offered: Spring, even years.

Prerequisite: BUSI 342.

BUSI 102. Keyboarding Methods. 3 Credits.

An exploration of keyboarding techniques in speed and accuracy; formatting of business communication forms for use in a classroom. Students will acquire keyboard curriculum while exploring different methods and trends of teaching keyboarding as part of a Business Education program. Special emphasis will be placed on technology, variety of instructional strategies, and lesson design.

Typically Offered: Spring.

BUSI 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

BUSI 214. Business Communications. 3 Credits.

A focus on the improvement of oral and written communication skills for application in today's global business environment. This course includes exploration and application of modern communication theory, legal and ethical concerns, and technology use. Intrapersonal, interpersonal, and group communication processes and skills are reviewed, as is public presentation of information.

Typically Offered: Fall, Spring, Summer.

Prerequisite: ENGL 120 or ENGL 125.

BUSI 249. Introduction to Business. 1 Credit.

An introduction to the business professions with emphasis on program requirements. The study, practice and performance of marketing, management, entrepreneurship, finance and human resources.

Typically Offered: Fall, Spring.

BUSI 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

BUSI 336. Business Data Solutions. 3 Credits.

An exploration of the advanced concepts of spreadsheets and database tools. This course provides intermediate/advanced students with the theory and ability needed to apply such knowledge in a business environment.

Typically Offered: Fall, Spring.

BUSI 350. Operations Management. 3 Credits.

A study of performance measurement tools, quantitative tools and operations strategy. Students will learn how the concepts and applications used enhance the decision making process through the development of statistical and quantitative analysis.

Typically Offered: Fall; Summer even years.

Prerequisite: MGMT 330.

BUSI 387. Business Practicum. 1-12 Credits.

The business practicum allows students to complete experiential learning opportunities which are guided by a designated business faculty members. Students develop real-world experience through collaboration and interaction with industry. Application and approval through business faculty representative.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

BUSI 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

BUSI 480. Strategic Planning. 3 Credits.

A study of strategic management processes on how organizations formulate, implement, and evaluate strategies. The course integrates the knowledge acquired in the functional areas of marketing, human resources, productions/operations and finance.

Typically Offered: Fall; Summer even years.

Prerequisite: Senior Standing.

BUSI 485. Entrepreneurship. 3 Credits.

A review of the application of business policies and procedures to the small business environment. BUSI 485 includes the basic steps in creating, building, operating and selling an enterprise.

Typically Offered: Fall, Spring, Summer Odd Years.

Prerequisite: Senior Standing.

BUSI 490. Methods and Materials for Teaching Business Subjects. 3 Credits.

An exploration of the curriculum, methods, materials, trends, and philosophy in the teaching of business education. Students will be exposed to the Teaching and Learning Capstone requirements. Special emphasis is placed on technology, various instructional strategies, and Technical Education Teacher Credentialing Requirements. The course must be taken before student teaching.

Typically Offered: Fall.

Prerequisite: Admitted to Teacher Education.

Same As: BUSI 490/CTE 490.

BUSI 491. Senior Seminar. 1 Credit.

An exploration of job search and soft skills necessary for success in the workplace. Students will participate in a variety of activities to develop a professional persona.

Typically Offered: Fall, Spring.

Prerequisite: Senior Standing.

BUSI 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

BUSI 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CTE 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CTE 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CTE 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CTE 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CTE 431. History, Philosophy and Practices of Career and Technical Education. 3 Credits.

A study of history, growth, theory and present status of Career and Technical Education in secondary and post-secondary schools. The course focuses on principles, practices and major issues of Career and Technical Education and its relationship to individual Career and Technical service areas. This course will also cover relationships between general education and Career and Technical Education.

Typically Offered: Fall, Summer.

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CTE 432. Coordinating Cooperative Education Learning. 3 Credits.

A study of principles and techniques used in coordinating cooperative work experiences for students in Career and Technical Education. Included is a study of labor laws, public relations programs, advisory committees, and organization and supervision of on-the-job training, evaluation, and follow-up of student learners.

Typically Offered: On sufficient demand.

CTE 434. Leadership in Career and Technical Student Organizations. 3 Credits.

Introduction to planning, implementing, and leading Career and Technical Student Organizations. This course is designed for advisors at the secondary and post-secondary level wishing to begin, expand, or promote Career and Technical Student Organizations.

Typically Offered: Spring, Summer.

CTE 437. Student Performance Evaluation in Career and Technical Education. 3 Credits.

An examination of methods used for a comprehensive program of assessing and evaluating student achievement. Included is a study of the need for a system of evaluation and construction of evaluative instruments to measure learner outcomes to enhance improved academic and work performance.

Typically Offered: Fall.

CTE 438. Developing and Managing Competency-Based Instructional Materials. 3 Credits.

A basic course for Career and Technical educators. The course introduces concepts supporting the development of competency-based education (CBE) curriculum materials. CBE terminology, illustrations, presentations, procedures, and resources that relate to Career and Technical Education are discussed and a CBE learning unit of instruction is developed.

Typically Offered: Spring.

CTE 490. Methods for Teaching Career & Technical Education Subjects. 3 Credits.

A concentration on methods used for teaching Career and Technical Education courses. Topics are designed to develop and enhance the instructional competencies for teachers in Career and Technical Education programs.

Typically Offered: Fall, Summer.

Same As: BUSI 490/CTE 490.

CTE 492. Career and Technology Education Teaching Experience. 1-12 Credits.

Provides an online supervised teaching mentorship program to be used in place of a student teaching experience when a mentorship is allowed for satisfying the requirements of licensure. Students will observe mentor teacher(s), prepare units for delivery of content, maintain a log of activities, conduct or participate in parent/teacher conferences, observe or participate in IEP meetings, and meet with mentors and supervisors as required.

Typically Offered: On sufficient demand.

CTE 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CTE 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ECON 201. Principles of Microeconomics. 3 Credits.

This is an introductory study of microeconomics. The course emphasizes the price system, market structure, resource allocation, and income distribution.

Typically Offered: Fall, Spring.

ECON 202. Principles of Macroeconomics. 3 Credits.

This is an introductory study of macroeconomics. The course emphasizes national income, fiscal and monetary theory and policy, unemployment, and inflation.

Typically Offered: Fall, Spring.

ECON 261. Business Statistics. 3 Credits.

The course introduces students to descriptive and inferential statistics. Topics include: probability, data collection methods, inferences about one or more populations, tests of significance, tests of hypotheses, and regression analysis.

Typically Offered: Fall, Spring.

Prerequisites: BOTE 336 and MATH 103.

ECON 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ECON 345. International Political Economy. 3 Credits.

This course introduces students to the study of international political economy (IPE). The course focuses on the political foundations and consequences of the contemporary world economy. The course will survey the evolution of the international economic system, in particular since the Second World War, emphasizing the main contemporary theories, debates, and issues shaping the global economy and politics.

Typically Offered: Spring, even years.

Same As: POLS 345/ECON 345.

ECON 350. Money and Banking. 3 Credits.

A course designed to acquaint students with, and to help them understand, financial markets, institutions, and the Federal Reserve System. The course enables students to analyze and evaluate regulation of the financial system as well as monetary policy. Current issues in domestic and international financial systems are emphasized.

Typically Offered: Fall, even years.

Prerequisites: ECON 201 and ECON 202.

ECON 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ECON 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ECON 460. The Atlantic World. 3 Credits.

This course is an interdisciplinary investigation of the political, economic, and social developments that shaped the region, from the age of empires to the decolonization of the twentieth century. Using a comparative approach, this course examines the Atlantic community constructed between Africa, Western Europe and the Americas, with particular attention to the interactions on matters of migration, market economies, ideology and cultural exchange. Cross-referenced with HIST 460 and GEOG 460.

Typically Offered: Spring, odd years.

Same As: ECON 460/GEOG 460/HIST 460.

ECON 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ECON 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

FIN 350. Foundations of Banking. 3 Credits.

An introduction to Financial Institutions and Financial Markets. Topics include Financial Assets, the Banking System, and Operations of Financial Institutions.

Typically Offered: Fall.

FIN 375. Managerial Finance. 3 Credits.

An introduction to corporate finance. Emphasis will be placed on valuation techniques and long-term financial planning for business entities.

Typically Offered: Fall.

Prerequisite: MATH 103 or MATH 104 or MATH 107.

FIN 376. Managerial Finance II. 3 Credits.

A continuation of managerial finance. Topics include capital investment decisions, project analysis and evaluation, risk and return in the capital markets, capital structure and dividend policies.

Typically Offered: Spring.

Prerequisite: FIN 375 with a grade of C or better.

FIN 380. Principles of Investments. 3 Credits.

A course designed to provide the student with an understanding of the mechanics and principal problems of investing. Topics include the stock market, real estate, mutual funds, gold and collectibles.

Typically Offered: Spring.

FIN 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MGMT 235. Diversity in the Workplace. 3 Credits.

A course exploring several aspects of the role of diversity in the workplace, including its importance across business functions. Topics include legality of diversity in the workplace, managing inclusion and varying perspectives and contributions of diverse groups.

Typically Offered: Fall, Spring.

MGMT 270. Business Ethics. 3 Credits.

An investigation of the ethical dilemmas that the contemporary American and global business worlds face. The course examines the role of business in society, the nature of corporate social responsibility, environmental issues, and the influences of the social, political, legal, and regulatory environment. The course also challenges students' thinking about the impact of diversity on organizations, the relationship between business and the media, and the growth of e-business.

Typically Offered: Fall, Spring.

MGMT 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MGMT 330. Principles of Management. 3 Credits.

A study of management and organizational theory with special attention given to functions of planning, organizing, leading, and controlling in business organizations.

Typically Offered: Fall, Spring, Summer.

MGMT 340. Human Resource Management. 3 Credits.

A study of human resource management (HRM) including HRM planning, labor relations and labor law, job analysis, recruitment, selection, evaluation, compensation, benefits, training, discipline, safety/health, and international labor issues.

Typically Offered: Fall.

MGMT 372. Foundations of Leadership. 3 Credits.

A course designed to introduce the foundations of leadership. The course examines a theoretical background and practical information. Major theories of leadership will be examined and leadership will be integrated to various internal and external organizational factors. Student will learn to think critically about the leadership phenomenon and about the boundary conditions of leadership theories.

Typically Offered: Fall.

MGMT 381. Project Management. 3 Credits.

An investigation of the project management techniques and appropriate software used to effectively manage projects. This course covers the knowledge areas and other topics as defined by the Project Management Body of Knowledge (PMBOK). Cross-referenced with CIS 381 and SE 381.

Typically Offered: Spring.

MGMT 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

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MGMT 430. Organizational Behavior. 3 Credits.

An interdisciplinary study of behavior in the work environment to improve skills in leadership, motivation and communication.

Typically Offered: Spring.

Prerequisite: MGMT 330.

MGMT 460. International Business. 3 Credits.

A study of the international dimensions of business: global business environment (economic, cultural, legal, political) and international business functions (management, marketing, finance, exporting, importing).

Typically Offered: Fall, Spring, Summer Odd Years.

Prerequisite: MGMT 330.

MGMT 498. International Experience. 6-12 Credits.

An opportunity to apply classroom learning in a foreign setting. The experience must be related to the student's area of study and is granted in a range of six to twelve credits per semester with a maximum of twelve hours available.

Application is made through the Department of Business.

Typically Offered: Fall, Spring, Summer.

Prerequisite: Junior Standing or Senior Standing.

Repeatable: Up to 12 Credits.

MGMT 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MRKT 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MRKT 305. Principles of Marketing. 3 Credits.

An analysis of the activities, set of institutions, and processes for facilitating the exchange of products, services, and information. Topics include strategic planning; marketing segmentation, targets, and positioning; marketing research; sales; and public relations; creating, communicating, delivering, and exchanging offerings that have value for customers, clients, partners, and society at large.

Typically Offered: Fall, Spring.

MRKT 310. Digital Marketing. 3 Credits.

This course examines the theoretical understanding of the Internet marketplace, how to adapt to its many changes and the skills needed to perform vital daily functions within digital marketing.

Typically Offered: Fall, Spring.

Prerequisite: MRKT 305.

MRKT 340. Professional Sales. 3 Credits.

A course designed to focus on the principles and fundamentals of selling psychology, customer motivation, and sales steps with emphasis on techniques and human relations in selling situations. Students will determine client needs and wants and respond through planned, personalized communication that influences purchase decisions and enhances future business opportunities. Students will participate in product knowledge, analyzing the customer, and investigating the competition and capitalizing on the sale through experience exercises.

Typically Offered: Spring.

Prerequisite: MRKT 305.

MRKT 370. Advertising and Promotions. 3 Credits.

A thorough exploration of the communication process and consumer responses throughout that process. Students will acquire the skills needed to make strategic decisions regarding the use of traditional and/or new media to develop and carryout advertising campaigns.

Typically Offered: Fall.

Prerequisite: MRKT 305.

MRKT 375. Consumer Behavior. 3 Credits.

This class examines consumer behavior and the practical marketing implications of that behavior.

Typically Offered: Spring.

Prerequisite: MRKT 305.

MRKT 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MRKT 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MRKT 405. Retailing. 3 Credits.

A study of the field of retailing. Topics include establishing and maintaining relationships, basic principles of strategic planning, goods/services categories, targeting customers, gathering information, choosing a store location, merchandise management and pricing, and communication with the customer.

Typically Offered: Fall.

Prerequisite: MRKT 305.

MRKT 414. Social Media Management. 3 Credits.

An exploration of managing social media and analytical tools. This course explores the tools and strategical use of social media in promoting the goals and mission of both for-profit and non-profit organizations, covering advertising, marketing, public relations, and promotional strategies within the media scope of social media. Cross-referenced with COMM 414.

Typically Offered: Spring.

Same As: COMM 414/MRKT 414.

MRKT 415. Marketing Research. 3 Credits.

A study of the role of marketing research in strategic decision-making and the basics of scientific research. Topics include the marketing research process; exploratory, descriptive, and casual research designs; scales of measurement; questionnaire and focus group design; fieldwork; data preparation; and basics of interpreting statistical results of research.

Typically Offered: Spring.

Prerequisite: MRKT 305.

MRKT 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Department of Communication Arts

McFarland Hall 205

Department Chair: Shannon VanHorn, Ph.D.

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(800) 532-8641 extension 37301

(701) 845-7301

<https://www.vcsu.edu/departments/communication-arts/>

The focus of study in the Department of Communication Arts is humanity in its broadest dimensions, specifically those highly developed human capabilities of communication, media literacy, and performing arts.

The Communication major and minor develop effective and ethical experts in communication who exercise innovative and exemplary leadership and followership to build relationships and communities.

Learning Outcomes

1. Communicate competently to diverse audiences in a variety of settings.
2. Engage effectively in research, problem-solving, and media-literacy endeavors.
3. Perform a variety of communication acts in interpersonal, small, and large groups.

Reule, Jonna (2008) Associate Professor; B.A., M.A. North Dakota State University, Ph.D. Southern Illinois University Carbondale

Russi, Jenni Lou (2009) Associate Professor; B.A. Judson University, M.F.A. Kent State University

VanHorn, Shannon (1999) Professor; B.S., M.S., Ph.D. North Dakota State University

Majors

- Communication (B.A., B.S.) (p. 192)
- Composite Major in Communication Studies (B.A., B.S.) (p. 199)

Minor

- Communication (p. 356)

Associate of Arts

- Associate of Arts- Communication Concentration (p. 347)

COMM 110. Fundamentals of Public Speaking. 3 Credits.

A basic speech course designed to introduce the student to the principles of oral communication, including the content, organization, and delivery of public address. This course is an introduction to interpersonal and group communication concepts. Emphasis is placed on extemporaneous speaking, effective listening, and critical evaluation.

Typically Offered: Fall, Spring, Summer.

COMM 112. Understanding Media and Social Change. 3 Credits.

An exploration of the purpose, function, and impact of media on society.

Typically Offered: Spring-even yrs; Summer-even yr.

COMM 114. Human Communication. 3 Credits.

Overview of communication theory with emphasis on information transmission and social influence functions of communication behavior in personal and mediated contexts.

Typically Offered: On sufficient demand.

COMM 175. Student Media Critique. 1 Credit.

This seminar explores audience-engagement of media through critical analysis of student and professional media. Students will meet weekly and analyze Viking Student Media products along with academic and professional guest critics.

Typically Offered: On sufficient demand.

Grading: S/U only.

Repeatable: Up to 8 Credits.

COMM 200. Introduction to Media Writing. 3 Credits.

An introduction to the principles of writing articles and stories for newspapers, radio, television, and the Internet. Topics include news gathering, interviewing, basic story structures and types, style and ethics.

Typically Offered: Fall.

COMM 211. Oral Interpretation. 3 Credits.

A course focused on the study of the development of effective vocal techniques through the analysis and performative reading of all types of literature.

Typically Offered: Fall, odd years.

COMM 212. Interpersonal Communication. 3 Credits.

An examination of styles, patterns, and challenges in human communication in both verbal and nonverbal contexts.

Typically Offered: Spring; Summer even years.

COMM 216. Intercultural Communication. 3 Credits.

An exploration of cross-cultural and intercultural communication, focusing on definitions, concepts, and theories in global environments. Special emphasis is placed on intercultural norms and etiquette, gender issues, and ELL/bilingual considerations, particularly within the framework of corporate communications.

Typically Offered: Fall; Summer odd years.

COMM 294. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

COMM 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

COMM 304. Corporate Training. 3 Credits.

A course designed to acquire mastery in the facilitation skills required of corporate trainers. The class will focus on presentation technology, visuals, questioning techniques, participant-centered presentations, and facilitator presence. Students will develop several training tools such as surveys, assessment instruments, and visual aids. Students will also develop a training manual, group facilitation, and PowerPoint presentation.

Typically Offered: Fall.

COMM 311. Communication and Interviewing. 3 Credits.

An examination of the theory and practice of interviews and interviewers. The class centers on conducting and participating in a variety of interview types. Strategies distinctive in interviews are considered. Class discussions and investigate communication theory in interpersonal, organizational, and mass communications contexts.

Typically Offered: Fall.

COMM 312. Gender Communication. 3 Credits.

An exploration of the philosophical and theoretical issues surrounding gender construction, communication, and culture. Focus is on ways communication in families, schools, media, business, and other institutions create and sustain gender roles.

Typically Offered: Spring-even yrs; Summer-odd yrs.

COMM 314. Public Relations. 3 Credits.

An introduction to the functions, scope, and ethics of public relations. Particular emphasis will be given to the ways of gaining public support for an activity, cause, movement, or institution and public relations copywriting.

Typically Offered: Spring.

Prerequisite: ENGL 120 or ENGL 125.

COMM 315. Digital Communication. 3 Credits.

An introduction to the developmental and presentation of informative and persuasive messages in an electronic environment. An emphasis is placed on the effective use of language and visual graphics to maintain a digital audience. Recommended: COMM 200 and CIS 170.

Typically Offered: Fall, odd years.

COMM 330. Understanding Statistics. 3 Credits.

This course is an introduction to descriptive, inferential, and correlated statistics. Emphasis is placed on determining when to use each type of test and how to read and discuss statistical analyses. Cross-referenced with POLS 330, PSYC 330, and SOC 330.

Typically Offered: Fall.

Prerequisite: MATH 103 or MATH 104.

Same As: COMM/POLS/PSYC/SOC 330.

COMM 340. Research Methods. 3 Credits.

An exploration of social research processes and analyses. Fundamentals and specific application of the most common data gathering and measurement techniques are addressed.

Typically Offered: Spring.

Prerequisites: ENGL 110, ENGL 120 or ENGL 125, and COMM 330/POLS 330/PSYC 330/SOC 330.

Same As: COMM/POLS/PSYC/SOC 340.

COMM 344. Reporting and Feature Writing. 3 Credits.

A study of news gathering, judgment, and writing. Topics include beat reporting, profiles, columns, and blogging.

Typically Offered: On sufficient demand.

COMM 360. Group Dynamics. 3 Credits.

An examination of human interaction within groups. Small group processes are practiced. Theories of interpersonal relations, team building, leadership, and conflict management are discussed. Students will observe group dynamics by interacting within small groups and by developing group presentations. Cross-referenced with PSYC 360 and SOC 360.

Typically Offered: Fall.

Same As: COMM 360/PSYC 360/SOC 360.

COMM 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

COMM 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

COMM 411. Communication Theory. 3 Credits.

A survey of communication theory and research topics as they pertain to everyday social interactions. Student explore the relationship between theory, guiding, research, and knowledge.

Typically Offered: Spring, even years.

COMM 414. Social Media Management. 3 Credits.

An exploration of managing social media and analytical tools. This course explores the tools and strategical use of social media in promoting the goals and mission of both for-profit and non-profit organizations, covering advertising, marketing, public relations, and promotional strategies within the media scope of social media. Cross referenced with MRKT 414.

Typically Offered: Spring.

Same As: COMM 414/MRKT 414.

COMM 415. Sports Information. 3 Credits.

A specialized course that focuses on preparing sports copy, public relations, and social media campaigns for athletic institutions. Students will acquire the ability to promote and analyze messages to a variety of audiences. Recommended: COMM 200.

Typically Offered: Spring, odd years.

COMM 425. Popular Culture and Rhetoric. 3 Credits.

A course that explores popular culture and rhetoric. This course covers popular culture and rhetoric as dominant persuasive influences in modern society. The course examines concepts, theories and critical methods that assist communicators to understand the power and force of language. Emphasis is placed on becoming insightful critics and consumers of everyday messages to which the public is exposed, especially through mass media.

Typically Offered: On sufficient demand.

Prerequisite: COMM 110 or COMM 114.

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COMM 444. Event Planning. 3 Credits.

A course designed to acquire mastery in the skills required of event planners and roles that require planning events. The class will focus on preparing meeting plans and agendas, budgeting, communicating with vendors and clients, using technology and social media tools to facilitate an event, and steps needed in final execution of delivering an event. Students will develop event planning tools such as agendas, media packages, timetables, budgets, and vision boards for both profit and non-profit organizations. Students will work with clients to develop plans for an actual event in their communities.

Typically Offered: Fall.

COMM 483. Organizational Communication. 3 Credits.

A course focused on the study of human communication, including interaction, presentation, and management within organizations. Students will learn skills related to researching communication within organizations including survey development, network mapping, observation. Special emphasis will be given to examining the roles of culture and gender within an organization.

Typically Offered: Spring.

COMM 487. Field Experience. 3-6 Credits.

An opportunity for the student to gain practical knowledge in an area of study. The student is required to complete 40 hours of work per credit and may be repeated up to a maximum of 12 credit hours. Application and approval through Program Department Chair.

Typically Offered: Fall, Spring.

Prerequisite: Cum GPA of 2.00 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

COMM 491. Senior Capstone. 1 Credit.

This course will assist the student developing a professional portfolio as well as assist in job search and placement. The course will address both technical application and content.

Typically Offered: Fall, Spring, Summer.

Prerequisite: COMM 497.

Grading: S/U only.

COMM 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

COMM 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

THEA 110. Introduction to Theatre Arts. 3 Credits.

An introduction to the principles and history of the theatre arts, including play analysis, acting, design, and directing.

Typically Offered: On sufficient demand.

THEA 194. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

THEA 201. Theatre Practicum. 1-3 Credits.

An opportunity for students to gain practical experience through participation in theatre productions. Option A includes technical theatre practice. Option B includes performance in a dramatic production before an audience. The number of credit hours is granted at the discretion of the instructor.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

THEA 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

THEA 301. Theatre Workshop. 1-3 Credits.

An advanced workshop in which students complete significant assignments in theatre production, including acting, directing, stage management, and design. The number of credit hours is granted at the discretion of the instructor. Previous experience or course work in theatre production is required.

Typically Offered: On sufficient demand.

Prerequisite: Junior Standing or Senior Standing.

Repeatable: Up to 9 Credits.

THEA 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

THEA 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

THEA 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: On sufficient demand.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

THEA 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Department of Computer Systems and Software Engineering

McFarland Hall 138

Department Chair: Susan Pfeifer
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(701) 845-7719
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www.vcsu.edu/departments/computer-systems-and-software-engineering/ (<https://www.vcsu.edu/departments/computer-systems-and-software-engineering/>)

Today's global economy is more competitive than ever, and VCSU is a great place to launch a successful career. In Computer Systems and Software Engineering programs, students learn to solve problems using technology in the solution. Faculty bring real-world experience to the classroom so they know how to apply the principles they teach. VCSU has partnerships with leading Enterprise Software providers (including Microsoft and SAP) and incorporates software into the curriculum so students graduate with hands-on experience. Faculty build relationships with area businesses to create more opportunities for internships. Innovative programs like the software engineering major as well as CRM and Enterprise Applications certificates give students specialized skills that employers demand.

CSSE Value Statements

Our Programs

We create a supportive, encouraging, and challenging learning environment. This motivates students to learn, experiment, and focus on goals with the confidence of being enrolled in a strong academic program dedicated to continuous improvement.

Our Students

When our students feel a part of our academic community they dedicate themselves to their studies, persevere through challenges, and reach success. We celebrate together in their accomplishments.

Our Colleagues

We treat each other with respect, seek opportunities to engage in the work of the department, provide or support leadership, and strive for continuous improvement in our courses and programs.

Our Stakeholders

We welcome interactions with our community, industry, and academic stakeholders. We take ideas under advisement and identify program improvements for the betterment of society.

Our Lives

We encourage healthy lifestyles and respect individual needs to care for our bodies, minds, and souls. Taking care of ourselves allows us to be fully engaged while doing our jobs.

Bhardwaj, Bhavana (2022) Assistant Professor; B.S. University of Delhi, India, M.S. Sikkim Manipal University, India, Ph.D. North Dakota State University

Du, Yang (2019) Assistant Professor; B.E.E., Ph.D. Beihang University

Ma, Yongchao (2020) Assistant Professor; B.S. Jilin University; M.S. Dalian University of Technology

Pfeifer, Susan (2005) Professor; B.A. Jamestown College, M.S. University of St. Thomas; P.M.P., SAP Certified Associate

Majors

- Computer Information Systems – Composite (B.A., B.S.) (p. 203)
- Software Engineering – Composite (B.A., B.S.) (p. 318)

Minor

- Computer Science (p. 356)

Certificates

- Customer Relationship Management (p. 366)
- Cybersecurity for Information Systems Management (p. 366)
- Enterprise Applications (p. 367)
- Software Development (p. 368)

CIS 104. Microcomputer Database. 2 Credits.

An introduction to database design including data entry, storage, and retrieval.

Typically Offered: On sufficient demand.

Prerequisite: CIS 170.

CIS 105. Microcomputer Spreadsheets. 2 Credits.

An introduction to spreadsheets as used for data analysis and reporting including in-depth concepts and features and the types of applications adaptable to this software.

Typically Offered: On sufficient demand.

Prerequisite: CIS 170 or CSCI 160.

CIS 128. Microcomputer Hardware I. 3 Credits.

An introduction to the development and maintenance of the personal computer. Participants upgrade and assemble personal computers, configure systems, and install operating systems.

Typically Offered: On sufficient demand.

CIS 142. Ethical Hacking & Network Defense. 3 Credits.

This course provides an in-depth understanding of how to effectively protect computer networks. Also covered is a thorough update of federal and state computer crime laws, as well as changes in penalties for illegal computer hacking.

Typically Offered: On sufficient demand.

CIS 147. Principles of Information Security. 3 Credits.

A thorough examination of the field of information security. This course prepares students to make decisions about securing information in a business or personal environment.

Typically Offered: Spring.

CIS 162. Operating Systems. 3 Credits.

An in-depth coverage of the Windows operating systems geared for those students enrolled in Information Technology programs or students who want a more advanced Windows course.

Typically Offered: On sufficient demand.

CIS 164. Networking Fundamentals I. 3 Credits.

Students learn how to install a network operating system, configure and administer various networking components.

Typically Offered: On sufficient demand.

CIS 170. Introduction to Computer Information Systems. 3 Credits.

An introduction to word processing, spreadsheet, database, and operating system software. Additional topics include the history, ethics, and uses of computers in society, and emerging applications for computers.

Typically Offered: Fall, Spring.

CIS 180. Creating Web Pages I. 3 Credits.

An introduction to web page creation including topics such as HTML/XHTML, Cascading Style Sheets (CSS), fundamentals of site layout and design, and technical implementation of websites.

Typically Offered: On sufficient demand.

CIS 181. Creating Web Pages II. 3 Credits.

Students create web sites using a current version of a graphical user interface (GUI) web authoring tool.

Typically Offered: Spring.

Prerequisite: CIS 180.

CIS 194. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CIS 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CIS 276. Business Language. 3 Credits.

An introduction to computer programming in a business environment. Topics include: fundamentals of program design, development, testing, implementation and documentation of common business-oriented applications. The class will utilize a current version of Microsoft Visual Basic or equivalent software.

Typically Offered: On sufficient demand.

CIS 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CIS 329. Information Systems Management. 3 Credits.

An introduction to managing information systems including user support issues and careers in a business environment.

Typically Offered: Spring.

CIS 341. Customer Relationship Management Software Administration. 3 Credits.

Instruction in administration of various aspects of Customer Relationship Management (CRM) software. Topics include setting up and managing users, security and data access, customization, reports, and support. This class will use Salesforce or a similar software package.

Typically Offered: Spring.

CIS 369. Enterprise Systems. 3 Credits.

An exploration of how enterprise systems help companies integrate business functions and improve business processes. Students will identify and discuss integration points including impacts to accounting.

Typically Offered: Fall, Spring.

Same As: ACCT 369/CIS 369.

CIS 371. Enterprise Systems II. 3 Credits.

An exploration of how organizations analyze and implement ERP systems or other relevant enterprise systems by completion a project to configure, implement, and test business processes. This course builds upon knowledge in other courses using ERP.

Typically Offered: Spring.

CIS 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CIS 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CIS 410. Advanced Business Languages. 3 Credits.

An exploration of intermediate and advanced topics in business languages utilizing Visual Basic or equivalent software.

Typically Offered: On sufficient demand.

Prerequisite: CIS 276.

CIS 420. Internet Languages. 3 Credits.

Instruction in intermediate and advanced Internet language and the theory needed to integrate databases for web-based applications such as E-commerce.

Typically Offered: On sufficient demand.

Prerequisite: CIS 180.

CIS 440. Advanced Digital Web Design. 3 Credits.

Instruction in digital design theory and intermediate to advanced web languages needed to create complex and effective web sties.

Typically Offered: On sufficient demand.

Prerequisite: CIS 180.

CIS 460. Enterprise Architecture. 3 Credits.

This course explores the design, implementation and management of enterprise IT solutions.

Typically Offered: On sufficient demand.

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CIS 465. IS Strategy Management and Acquisition. 3 Credits.

This course explores the issues and approaches in managing the information systems function in organizations and how the IS function integrates, supports and enables various types of organizational capabilities.

Typically Offered: Fall, even years.

CIS 470. Customer Relationship Management (CRM) and Business Intelligence (BI). 4 Credits.

An exploration of Customer Relationship Management (CRM) and Business Intelligence (BI) and how CRM and BI software systems are used by organizations to support their strategic goals. This course covers business analysis on data warehousing systems.

Typically Offered: Fall, odd years.

CIS 475. Integration of Business Processes in SAP ERP. 6 Credits.

Immersion into the concepts of ERP and integration points between different business disciplines supporting each business process cycle. This course introduces the basic processes of SAP ERP.

Typically Offered: On sufficient demand.

CIS 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

CIS 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CSCI 120. Introduction to Programming. 3 Credits.

An introduction to computer programming using any programming language.

Typically Offered: Spring, even years.

Prerequisite: ASC 93 or higher.

CSCI 124. C++ I. 4 Credits.

An introduction to programming in C++. The course is only offered online.

Typically Offered: On sufficient demand.

CSCI 127. Introduction to Programming in Java. 3 Credits.

An introduction to computer programming using the Java language.

Typically Offered: Fall.

Prerequisite: ASC 93 or higher.

CSCI 160. Introduction to Structured Programming I. 3 Credits.

An introduction to structured programming using C++. Topics include input, output, looping and decision structures, subprograms, and interface to a GUI operating system.

Typically Offered: Spring.

Prerequisite: ASC 93 or higher.

CSCI 161. Introduction to Structured Programming II. 3 Credits.

A continuation of CSCI 160. Topics include: Arrays, structures, object-orientated programming, inheritance, polymorphism string manipulation, recursion and pointers.

Typically Offered: Fall.

Prerequisite: CSCI 160.

CSCI 174. C++ II. 4 Credits.

An intermediate course in programming in C++. The course is offered only online.

Typically Offered: Fall, Spring.

CSCI 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CSCI 242. Data Structures. 3 Credits.

The study of abstract data types (ADTs) and alternatives for implementation of lists, arrays, sets, trees, and graphs.

The course explores dynamic and static data structures; time and space analysis of algorithms for initializing; and accessing, searching, sorting and traveling. Cross referenced with SE 242.

Typically Offered: Spring.

Prerequisite: CSCI 161.

Same As: CSCI 242/SE 242.

CSCI 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CSCI 350. Assembly Language Programming. 3 Credits.

An exploration of microprocessor-based machine and assembly language concepts.

Typically Offered: Spring, even years.

Prerequisite: CSCI 370.

CSCI 365. Programming Language Topics. 3 Credits.

A study of program design, style, expression, debugging and testing in specific programming languages such as Ada, C/ C++, Lisp, Logo, Modula-2, Pascal, Prolog, or Visual BASIC. Course may be repeated for different languages.

Typically Offered: On sufficient demand.

Prerequisite: CSCI 160.

Repeatable: Up to 6 Credits.

CSCI 370. Computer Organization & Systems. 3 Credits.

An examination of the fundamentals of computer organization and operating system concepts. Cross referenced with SE 370

Typically Offered: Fall, even years.

Prerequisite: CSCI 160.

Same As: CSCI 370/SE 370.

CSCI 372. Comparative Programming Languages. 3 Credits.

A comparison of the features of several different programming languages with regards to syntax and semantics.

Typically Offered: On sufficient demand.

Prerequisite: CSCI 161.

CSCI 380. Teaching Computer Science. 3 Credits.

An investigation of objectives, methods, techniques, materials, software, and activities related to the teaching of computer science.

Typically Offered: On sufficient demand.

Prerequisite: Admitted to Teacher Education.

CSCI 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CSCI 450. Practicum in Computer Science. 1-3 Credits.

Experience in the use of computer hardware and software and the opportunity to observe and assist in the management of a computer laboratory.

Typically Offered: On sufficient demand.

Prerequisite: CSCI 370.

Grading: S/U only.

CSCI 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CSCI 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

SE 110. Discovering Computing. 3 Credits.

This course will provide an overview of topics ranging from history of computing, problem solving, algorithmic thinking, and concepts behind software development. Students will use graphical programming tools to compute, investigate and implement solutions. This should be suitable for students who want to learn about computing concepts.

Typically Offered: Fall.

SE 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SE 201. Introduction to Software Engineering. 3 Credits.

An introduction to principles of software engineering concepts including lifecycle models, requirements, design, implementation, testing, documentation and the related tools and techniques.

Typically Offered: Fall.

SE 211. Software Construction. 3 Credits.

An introduction to low-level design issues, including formal approaches, basics of formal languages, overview of principles of programming languages, criteria for selecting languages and platforms, tools for automating design and construction, and concurrency.

Typically Offered: Spring.

Prerequisite: SE 201.

SE 212. Software Engineering Approach to Human Computer Interaction. 3 Credits.

Overview of a wide variety of topics relating to designing and evaluating user interfaces, as well as psychological principles of human-computer interaction.

Typically Offered: Spring.

SE 242. Data Structures. 3 Credits.

The study of abstract data types (ADTs) and alternatives for implementation of lists, arrays, sets, trees, and graphs. The course explores dynamic and static data structures; time and space analysis of algorithms for initializing; and accessing, searching, sorting and traveling. Cross referenced with CSCI 242.

Typically Offered: Spring.

Prerequisite: CSCI 161.

Same As: CSCI 242/SE 242.

SE 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SE 311. Software Design and Architecture. 3 Credits.

An in-depth coverage of advanced software design, particularly aspects relating to distributed systems and software architecture.

Typically Offered: Fall.

Prerequisite: SE 211.

SE 321. Software Quality Assurance and Testing. 3 Credits.

A broad coverage of software quality and testing to include quality assurance, inspections and reviews, software validation, and testing techniques.

Typically Offered: Spring, odd years.

Prerequisite: SE 201.

SE 331. Customer Relationship Management Software Development. 3 Credits.

Instruction in programming languages used in Customer Relationship Management (CRM) software. Topics include logic and process automation, user interfaces, testing, debugging, and deployment in a CRM software package such as Salesforce or equivalent software.

Typically Offered: Fall.

Prerequisite: SE 110 or CSCI 127 or CSCI 160.

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SE 370. Computer Organization & Systems. 3 Credits.

An examination of the fundamentals of computer organization and operating system concepts. Cross referenced with CSCI 370.

Typically Offered: Fall, even years.

Prerequisite: CSCI 160.

Same As: CSCI 370/SE 370.

SE 376. Embedded Systems. 3 Credits.

A study of micro-controller hardware and software, with an emphasis on interfacing the micro-controller with external electronic devices such as transceivers, sensors, and actuators for communications and control within an embedded system.

Typically Offered: Spring.

Same As: PHYS 376/SE 376.

SE 379. Social Implications of Computers. 3 Credits.

An examination of social, legal, philosophical, and ethical implications of computing in society and obligations as professionals in software engineering related fields.

Typically Offered: Spring, even years.

SE 380. Systems Analysis and Design. 3 Credits.

A practical approach to systems analysis and design using a blend of traditional development methods and current technologies with a focus on gathering requirements. Cross referenced with CIS 380.

Typically Offered: Fall.

SE 381. Project Management. 3 Credits.

An investigation of the project management techniques and appropriate software used to effectively manage projects. This course covers the knowledge areas and other topics as defined by the Project Management Body of Knowledge (PMBOK). Cross-referenced with CIS 381 and MGMT 381.

Typically Offered: Spring.

SE 385. Database Theory/Design. 3 Credits.

An introduction to relational database concepts, theory, design and management.

Typically Offered: Fall.

SE 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SE 480. Capstone. 3 Credits.

A capstone course that provides students, working in groups, with a significant project experience in which they can integrate much of the material they have learned in their program, including matters relating to requirements, design, human factors, professionalism, and project management.

Typically Offered: Spring.

Prerequisite: Senior Standing.

SE 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: Not Specified.

Repeatable: Up to 12 Credits.

SE 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

Department of Kinesiology and Human Performance

Gaukler Family Wellness & Physical Education Center, 149

Department Chair: Dr. Rachelle Hunt, Ed.D., GTS, LAT, AT
 rachelle.hunt@vcu.edu

Administrative Assistant: Rachel Kreidelcamp

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<https://www.vcu.edu/departments/kinesiology-and-human-performance/>

The Department of Kinesiology and Human Performance is a multi-disciplinary department in which experiential and hands-on learning experiences are central to the core of all programs. Students learn to integrate theory into practice by applying learned concepts in various contexts.

The department is home to six majors, five minors, and two certificates. In addition to undergraduate preparation, VCU also offers a graduate concentration in Physical Education and Health Education Pedagogy.

Majors

The Exercise Science and Rehabilitative Studies major (p. 228) seeks to develop knowledge to prepare students to enter graduate studies in Athletic Training, Physical Therapy, Occupational Therapy, Physician Assistant, Exercise Physiology, Cardiac Rehabilitation, Chiropractic, and Sport Biomechanics.

The Health Education major (p. 240) prepares students to become health education educators within the 5-12 school setting. The curriculum seeks to enhance the student's knowledge of health services, health in the environment, and health instruction in public schools.

The Physical Education major (p. 301) primarily prepares students for teaching K-12 physical education. Defined, physical education seeks to prepare its students to teach others about the importance of human motion as it affects general health and well-being.

The Sport Leadership and Management major (p. 330) prepares students interested in intercollegiate coaching and aims to develop an understanding of the concepts and theories central to the field of sport management.

The Strength & Conditioning Specialist major (p. 335) seeks to develop professionals capable of developing training and conditioning regimens for athletic and fitness programs.

The Applied Kinesiology major (p. 116) is designed for students interested in attaining entry-level positions in health, fitness, and sport-related fields.

Minors

Adapted Physical Education (p. 353)

Athletic Coaching (p. 354)

Health Education (p. 357)

Health Studies (p. 358)

Physical Education (p. 361)

Certificates

Athletic Coaching (p. 364)

Strength and Conditioning (p. 369)

Bratrud, Sharon (2014) Associate Professor; B.S. Minnesota State University Moorhead, M.S. University of North Dakota; AT, LAT

Burr, Diane (1981) Professor; B.S., M.S. Northern State College; AT-Ret

Hunt, Rachelle (2007) Associate Professor; B.S. North Dakota State University, M.Ed. Valley City State University, Ed.D. Minnesota State University; AT, LAT

Kopp, Marcus (2022) Assistant Professor; B.S. North Dakota State University, M.S. University of Mary

Mattson, Barbara (2022) Assistant Professor; A.A. Snow College, B.A. Adams State University, M.A. Concordia University

Mogensen, Christine (2021) Instructor; B.S.Ed., M.A.Ed. Northern State University

Thompson, Amber (2022) Assistant Professor; M.S. The University of Texas Rio Grande Valley

Majors

- Applied Kinesiology (p. 116)
- Exercise Science and Rehabilitative Studies (p. 228)
- Health Education (B.S. in Education) (p. 240)
- Physical Education – K-12 (B.S. in Education) (p. 301)
- Sport Leadership and Management (p. 330)
- Strength and Conditioning (p. 335)

Minors

- Adapted Physical Education (p. 353)
- Athletic Coaching (p. 354)
- Health Education (p. 357)
- Health Studies (p. 358)
- Physical Education (p. 361)

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Certificates

- Athletic Coaching (p. 364)
- Strength & Conditioning (p. 369)

HPER 100. Concepts of Fitness and Wellness. 2 Credits.

A course designed for students of all ages that teaches the facts about exercise and physical fitness. This general education course combines lecture about the theory of exercise and health issues with laboratory, activity, and technology experiences to introduce the student to concepts of holistic living.

Typically Offered: Fall, Spring, Summer.

HPER 108. Exercise Techniques for Resistance Training. 1 Credit.

An introductory course that instructs students in the safety and proper mechanics of resistance training.

Typically Offered: Fall, Spring.

HPER 109. Exercise Techniques and Program Design. 3 Credits.

An introductory course that instructs students in the safety and proper mechanics of weight training. Students will acquire knowledge as to the development of specific resistance training protocols. This course also focuses on the design and application of program design.

Typically Offered: Fall.

HPER 112. Varsity Baseball. 1 Credit.

The study, practice, and performance of baseball on a varsity level. This course may be repeated for credit.

Typically Offered: Spring.

Grading: S/U only.

Repeatable: Up to 4 Credits.

HPER 113. Varsity Basketball. 1 Credit.

The study, practice, and performance of basketball on a varsity level. This course may be repeated for credit.

Typically Offered: Spring.

Grading: S/U only.

Repeatable: Up to 4 Credits.

HPER 114. Varsity Cross Country. 1 Credit.

The study, practice, and performance of cross-country on a varsity level. This course may be repeated for credit.

Typically Offered: Fall.

Grading: S/U only.

Repeatable: Up to 4 Credits.

HPER 115. Varsity Football. 1 Credit.

The study, practice, and performance of football on a varsity level. This course may be repeated for credit.

Typically Offered: Fall.

Grading: S/U only.

Repeatable: Up to 4 Credits.

HPER 116. Varsity Golf. 1 Credit.

The study, practice, and performance of golf on a varsity level. The men's and women's golf teams practice and perform in the fall and spring semesters. Open to all student-athletes. This course may be repeated for credit.

Typically Offered: Spring.

Grading: S/U only.

Repeatable: Up to 4 Credits.

HPER 117. Varsity Softball. 1 Credit.

The study, practice, and performance of softball on a varsity level. This course may be repeated for credit.

Typically Offered: Spring.

Grading: S/U only.

Repeatable: Up to 4 Credits.

HPER 119. Varsity Track & Field. 1 Credit.

The study, practice, and performance of track and field events on a varsity level. This course may be repeated for credit.

Typically Offered: Spring.

Grading: S/U only.

Repeatable: Up to 4 Credits.

HPER 120. Varsity Volleyball. 1 Credit.

The study, practice, and performance of volleyball on a varsity level. This course may be repeated for credit.

Typically Offered: Fall.

Grading: S/U only.

Repeatable: Up to 4 Credits.

HPER 124. Clinical Experience I. 3 Credits.

This course will provide classroom and clinical Athletic Training experience under supervision and guidance of a program approved health care provider. Skills include: emergency care, taping and bracing techniques, and initial exposure to the role and skills of a Certified Athletic Trainer.

Typically Offered: Fall.

HPER 126. Applications for Taping, Protective Devices, and Equipment. 3 Credits.

An introductory course that offers principles and techniques in regard to athletic protective equipment, taping and bracing in the Sports Medicine field. The athletic training student will become proficient in design, construction, maintenance and reconditioning of protective equipment; as well as splinting and taping applications and procedures according to regulations.

Typically Offered: Spring.

HPER 127. Introduction to Kinesiology. 3 Credits.

An introductory preview into the real-world settings and occupations within the umbrella of kinesiology, exercise science, and rehabilitative studies. Topics include exploring the latest trends in the fields while appreciating the historical development of exercise science and rehabilitative studies. The course highlights evidence-based practices, equipment and assessment, motor behavior, and behavioral and psychological assessments by utilizing a systemic approach to exercise physiology, athletic training, physical therapy, occupational therapy, cardiac rehab, chiropractic, and sports nutrition.

Typically Offered: Fall.

HPER 128. Communication for Health Care Professionals. 3 Credits.

The course prepares students for interprofessional communication and documentation for health care professionals. The course focuses on the principles of interprofessional communication methods to help students develop an extensive vocabulary. Students will define, interpret, and apply medical terms relating to structure, function, pathology, diagnosis, clinical procedures, and pharmacology in a clinical setting.

Typically Offered: Spring.

HPER 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

HPER 206. Fundamentals of Teaching Health and Physical Education. 3 Credits.

A study of health and physical education as a discipline encompassing introductory pedagogy for the health and physical education classrooms. This course also includes the building of one's tool box" on content and technology used within the Health Education and Physical Education professions.

Typically Offered: Spring.

HPER 207. Prevention and Care of Athletic Injuries. 2 Credits.

An investigation of the methods of prevention and care used for injuries received in athletic activities. The course includes prevention, treatment, and rehabilitation for common athletic injuries from a coach's perspective. In addition to athletic taping techniques and instruction in universal precautions related to infectious diseases.

Typically Offered: Fall, Spring.

HPER 208. Introduction to Physical Education. 3 Credits.

An introduction to the nature and scope of physical education by means of a critical examination of sport, play, exercise, and dance. The course is designed to provide historical foundations of physical education as a profession and for sport as part of physical education. Special attention is focused on the role of physical education within the total education program.

Typically Offered: Fall, Spring.

HPER 210. First Aid & CPR. 1 Credit.

An introductory course that includes instruction and laboratory practice in first aid procedures, including CPR/AED. Upon successful completion of this course students will be certified by the American Red Cross in basic first aid and CPR/AED procedures.

Typically Offered: Fall, Spring.

HPER 212. Introduction to Stress Management. 2 Credits.

An introductory course designed to give students knowledge on how stress affects the body. This interactive course will provide lecture along with laboratory activities to teach appropriate and effective stress reduction techniques.

Typically Offered: Fall, Spring.

HPER 215. Motor Behavior. 3 Credits.

This course studies the process of human motor behavior across the lifespan, specifically examining how development of mental and motor abilities affect human movement.

Typically Offered: Spring.

HPER 220. Practical Application of Fitness Education. 3 Credits.

The purpose of this course is to help students improve their health related fitness components through active participation in a variety of safe and effective activities. The class includes a variety of aerobic activities, resistance training, core strength and flexibility exercises. Students will gain an understanding of the components of health-related fitness, training principles, and the benefits of being physically active. Students will participate in activities that will increase physical fitness levels and develop health practices that value physical activity and its contribution to lifelong fitness.

Typically Offered: Fall.

Prerequisite: HPER 108 or HPER 109.

HPER 222. Recreation and Leisure in Modern Society. 2 Credits.

A course designed to acquaint students with the meaning, problems, and scope of the recreation and leisure industry. Material provides an introduction to the history, philosophy, and principles of recreation; the agencies providing recreation programs; and facility and personnel development, management, and programming.

Typically Offered: Spring, even years.

HPER 224. Clinical Experience II. 3 Credits.

This course will provide classroom and clinical Athletic Training experience under the supervision and guidance of a program approved health care provider. Content includes: anatomy and physiology, injury recognition and evaluation, and psychology as related to Athletic Training.

Typically Offered: Spring.

HPER 225. Leadership in Sport. 3 Credits.

A course that examines theoretical and practical approaches to leadership in sport. Students will learn about the various types of leadership and will develop the necessary tools to explore their own leadership capabilities.

Typically Offered: Spring.

HPER 226. Recognition of Orthopedic Injuries I. 3 Credits.

An in-depth course that examines the lower extremity of the human body using clinical assessment techniques. Orthopedic injury recognition will concentrate in the areas of musculoskeletal and neurological conditions of the foot, ankle, lower leg, knee complex, hip and pelvis.

Typically Offered: Fall.

HPER 227. Recognition of Orthopedic Injuries II. 3 Credits.

An in-depth course that examines the human body using orthopedic clinical assessment techniques. Orthopedic injury recognition will concentrate in the areas of musculoskeletal and neurological conditions of the hand, wrist, elbow, shoulder complex, and spine.

Typically Offered: Spring.

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HPER 258. Applied Anatomy, Physiology, and Human Performance. 3 Credits.

A course designed to be an integrated learning experience in understanding the structure and function of the human body and its application to human movement. HPER 258 and 259 will not satisfy the hours required for the pre-professional students planning to enter the field of science or elementary education majors.

Typically Offered: Fall.

HPER 259. Applied Anatomy, Physiology, and Human Performance. 3 Credits.

A course designed to be an integrated learning experience in understanding the structure and function of the human body and its application to human movement and exercise physiology. HPER 258 and 259 will not satisfy the hours required for the pre-professional students planning to enter the field of science or elementary education majors.

Typically Offered: Spring.

Prerequisite: HPER 258.

HPER 285. Introduction to Adapted Physical Education. 3 Credits.

An introductory course designed to address all major areas of Adapted Physical Education - roles and competencies of the Adapted Physical Educator. The course examines the law, generalities of specific disabilities, assessments, IEP writing, modifications, and service delivery. It stresses professionalism in the workplace, awareness of the strength and limitation of those with disabilities and methods for inclusion (required for students not majoring in physical education).

Typically Offered: Spring.

HPER 287. Field Experience. 1-4 Credits.

An opportunity for the student to gain practical knowledge in an area of study. The student is required to complete 40 hours of work per credit and may be repeated up to a maximum of 12 credit hours. Application and approval through Program Department Chair.

Typically Offered: Fall, Spring.

Prerequisite: Cum GPA of 2.00 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

HPER 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

HPER 300. Drug Education and Information. 3 Credits.

A course offering basic information about substances including the use, misuse and abuse of drugs. The impact of drugs on society is presented along with a discussion of the most effective approaches used in promoting the responsible use of chemical substances.

Typically Offered: Fall, Spring, Summer.

HPER 301. Philosophy and Application of Football Coaching. 2 Credits.

A course designed to develop the student's coaching philosophy and knowledge of liability and coaching ethics. Additional topics include fundamentals, individual and team offense and defense, and offensive and defensive team strategy.

Typically Offered: Spring.

HPER 302. Philosophy and Application of Basketball Coaching. 2 Credits.

A course designed to develop the students coaching philosophy and knowledge of liability and coaching ethics. Additional topics include fundamentals, individual and team offense and defense, and offensives and defensive team strategy.

Typically Offered: Fall.

HPER 303. Philosophy and Application of Volleyball Coaching. 2 Credits.

Instruction in the offensive and defensive strategy and the practical application of fundamental skills and skill drills for playing volleyball.

Typically Offered: Spring.

HPER 304. Philosophy and Application of Baseball and Softball Coaching. 2 Credits.

A course designed to develop the student's coaching philosophy and knowledge of liability and coaching ethics. Additional topics include fundamentals, individual position play, and offensive and defensive team strategy.

Typically Offered: Fall.

HPER 305. Philosophy and Application of Track and Field Coaching. 2 Credits.

A basic introduction to coaching track and field. Topics are covered through demonstration, practice and video analysis.

Typically Offered: Spring.

HPER 307. Philosophy and Application of Coaching. 2 Credits.

A basic introduction to coaching various sports. The course will assist students in understanding the role of the coach and the appropriate coaching of various age groups.

Typically Offered: Fall; Summer odd years.

HPER 308. Introduction to Nutrition. 3 Credits.

An introductory course that studies the principles of nutrition. Students will study the major nutrient categories as well as current recommendations. Students will also study how nutrition positively and/or negatively can affect your health.

Typically Offered: Fall, Spring.

HPER 309. Sport Nutrition Concepts. 3 Credits.

An introductory course that examines the principles of nutrition as specifically related to sports participants. Students will acquire the knowledge necessary to apply sound nutritional practices within the physically active population.

Typically Offered: Fall.

HPER 311. Emergency Response Management. 3 Credits.

An advanced course that examines and evaluates current First Aid/CPR/AED skills for the Emergency Medical Responder maintained by the American Red Cross. The student will become proficient in the evaluation and immediate management of acute injuries and illnesses and become certified as an Emergency Medical Responder upon successful completion of the course.

Typically Offered: Fall.

HPER 314. Activities for the Physical Educator. 3 Credits.

The study, practice, and organization of individual, dual, and team activities. Units include badminton, pickleball, tennis, golf, volleyball, basketball, field hockey, soccer, softball, team handball, and more.

Typically Offered: Spring.

HPER 315. Communicable and Non-Communicable Diseases. 3 Credits.

A course designed to study communicable and non-communicable diseases as they relate to current health issues in the American society.

Typically Offered: Spring.

HPER 320. First Aid & CPR Instructor Certification. 2 Credits.

Instructor training for First Aid & CPR using American Red Cross methods of instruction. The course includes instruction, lesson planning, laboratory experience, teacher presentation, and testing. Students assist the Instructor Trainer in HPER 210 and, upon successful completion of the course, receive American Red Cross Instructor certification in First Aid and Cardiopulmonary Resuscitation (CPR).

Typically Offered: On sufficient demand.

Prerequisite: HPER 210.

HPER 324. Clinical Experience III. 3 Credits.

This course will provide classroom and clinical Athletic Training experience under the supervision and guidance of a program approved health care provider. Content includes: psychosocial aspects of sport and injury recognition and evaluation.

Typically Offered: Fall.

HPER 325. Instructional Methods in the Elementary Physical Education Classroom. 3 Credits.

The course is designed to prepare pre-service teachers to teach elementary physical education, grades k-6th. Content areas are pedagogy in the elementary physical education setting, curricular design, assessment of motor and skill mechanics of the elementary student, the integration of fitness in elementary physical education, as well as classroom management.

Typically Offered: Fall.

HPER 326. Therapeutic Modalities. 3 Credits.

An advanced course exploring the body's physiological responses to the administration of thermal, mechanical, electromagnetic, and light energies for specific orthopedic and non-orthopedic pathologies.

Typically Offered: Spring.

HPER 328. Therapeutic Exercise. 3 Credits.

An advanced course in the analysis and application of therapeutic rehabilitation using an evidence-based approach.

Typically Offered: Fall.

HPER 331. Injury Recognition and Evaluation of Head, Neck, and Spine. 3 Credits.

An in-depth course that examines the human body using orthopedic clinical assessment techniques. Orthopedic evaluations and injury recognition will concentrate in the areas of musculoskeletal and neurological conditions of the head, neck and spine.

Typically Offered: Fall.

HPER 332. Foundations of Clinical Medicine. 3 Credits.

A course providing foundational knowledge and skills associated with clinical medicine. The course offers foundational skills in medical history taking, physical diagnosis, and case presentation. Topics covered include (but are not limited to) pharmacology, infectious diseases, dermatology, rheumatology, neurology, pulmonology, cardiovascular, gastrointestinal, genitourinary/gynecological disorders, hematology/oncology, and endocrinology. The course is appropriate for pre-health professional students.

Typically Offered: Fall.

Prerequisites: BIOL 220 and BIOL 221.

HPER 335. Legal Aspects of Sport. 3 Credits.

Study of legal and ethical implications relative to sport. Emphasis on core issues, safety, risk management, Title IX, and legal responsibilities of the coach/administrator.

Typically Offered: Spring.

HPER 338. Modern Sports Officiating. 2 Credits.

A study of officiating requirements and mechanics. The course focuses on understanding and interpreting the spirit and intent of the rules in today's sports. The sports covered include; baseball, softball, basketball, football, track and field, soccer, volleyball, and wrestling.

Typically Offered: Fall.

HPER 350. Sport Ethics. 2 Credits.

An investigation of the ethical issues facing coaches in today's society. Focus is place on moral reasoning in sport and the preservation of moral development in athletics. The course examines how to diminish ethical problems by targeting those things which are positive in sport.

Typically Offered: Fall, Spring.

HPER 380. Instructional Methods in Human Sexuality. 3 Credits.

A study of the curriculum and methods used in the instruction of human sexuality in the 5-12 school environment. This course will explore the topic of sexuality and sex education, encompassing the topics of human reproductive anatomy, sexual development, sexual and reproductive health, interpersonal relationships, affection, intimacy, and gender roles. Physical, mental-emotional, and social aspects of sexuality will be addressed including sexual communication, relationships, safer sex practices, and decision making.

Typically Offered: Fall, Summer.

HPER 384. Fitness Assessment and Prescription. 3 Credits.

An exploration of fitness evaluation and exercise prescription. The course investigates activities that promote cardiovascular endurance, flexibility, resistance training, and anaerobic fitness. Students must have a basic knowledge of Exercise Physiology before taking the course.

Typically Offered: Spring.

Prerequisite: HPER 258.

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HPER 386. Adapted Physical Education Teaching Strategies. 3 Credits.

A course designed to provide a knowledge base necessary to develop lesson plans using appropriate instructional strategies for the student of disability in the physical education classroom.

Typically Offered: Fall.

HPER 387. Field Experience. 1-4 Credits.

An opportunity for the student to gain practical knowledge in an area of study. The student is required to complete 40 hours of work per credit and may be repeated up to a maximum of 12 credit hours. Application and approval through Program Department Chair.

Typically Offered: Fall, Spring, Summer.

Prerequisite: Cum GPA of 2.00 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

HPER 388. Outdoor Pursuits for the Physical Educator. 2 Credits.

A study of pedagogy and skills used when participating in outdoor activities such as any of the following: Hiking, Disc golf, Orienteering, Geocaching, Snowshoeing, and Cross-country skiing.

Typically Offered: Spring.

HPER 390. Secondary Health Education Methods. 3 Credits.

A study of curriculum and health education methods used in promoting contemporary health education which enable the prospective teacher to plan, implement, evaluate, and reflect within the health education classroom. Emphasis is placed on the development of lesson and unit plans that incorporate measurable objectives aligned to the state and national standards. The class includes a practicum experience in which students are assigned to area public health education classes.

Typically Offered: Fall.

Prerequisite: Admitted to Teacher Education and HPER 306.

HPER 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

HPER 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

HPER 400. Current Issues in Community Health. 3 Credits.

A focus on identifying community or public health problems and the educational as well as environmental measures used for their prevention and control. Emphasis is placed on current health issues in our society and the principles involved in public health planning.

Typically Offered: Fall.

HPER 402. Adapted Physical Education Program Planning. 3 Credits.

A course designed to provide the knowledge base necessary to develop, organize, and administer an Adapted Physical Education Program.

Typically Offered: Spring.

HPER 405. Advanced Topics in Strength and Conditioning. 3 Credits.

An advanced course that assists students in the preparation for the national board examination to become a NSCA-Certified Strength and Conditioning Specialist. This course also allows students to assess their readiness as they prepare for the actual examination.

Typically Offered: Spring, even years.

HPER 410. Organization and Administration of Physical Education and Sport. 3 Credits.

A study of administrative philosophy and techniques in administering physical education, health, and athletic programs. The course also includes the principles of financial management, personnel management, and legal aspects.

Typically Offered: Spring, Summer.

HPER 415. Sport Governance and Policy. 3 Credits.

This course explores students to a variety of regulations within NCAA Division I, II, and III, NAIA, and NJCAA and help them to understand how to stay compliant using real-world situations (or practical examples). This course particularly focuses on important topics for intercollegiate athletic administrators and coaches, such as recruiting, practice and game scheduling, eligibility, scholarship and financial aid, and awards and benefits.

Typically Offered: Fall.

HPER 424. Clinical Experience IV. 3 Credits.

This course will provide classroom and clinical Athletic Training experience under the supervision and guidance of a program approved health care provider. Content includes: general medical conditions, therapeutic exercise, and injury recognition and evaluation.

Typically Offered: Spring.

HPER 425. Sport Psychology. 3 Credits.

An upper-level course that studies the social science of psychology in the sport setting. Psychology units include learning processes, motivation, mental preparation, and communication skills.

Typically Offered: Spring.

HPER 426. Clinical Experience V. 3 Credits.

This course offers clinical athletic training experience under the supervision and guidance of a program-approved health care provider in an approved setting. Course meets periodically for formal competency development will receive supervised clinical education experience in a variety of clinical education settings.

Typically Offered: Fall.

HPER 438. Organization and Administration for Kinesiology. 3 Credits.

An advanced course that develops student skills in the organization and administration in kinesiology. Topics include creating and disseminating risk management guidelines to reduce patient, employee, and business risk. Creating effective injury prevention programs and develop emergency policies and procedures. Managing human resources and fiscal management following leadership, organization, and management techniques, developing marketing plans to promote programs, services, and facilities. And how to use effective communication techniques to build professional relationships with other health professionals.

Typically Offered: Fall.

HPER 444. Exercise Physiology of Peak Performances. 3 Credits.

An advanced course that focuses on the role of Exercise Physiology in the training and conditioning of sports participants of all ages and activity levels. Students will acquire knowledge in regard to the benefits of exercise as a therapeutic agent in the rehabilitation of injury and disease, and its use to improve quality of life.

Typically Offered: Fall.

Prerequisites: HPER 258 and HPER 384.

HPER 445. Foundations in Coaching Methodology. 3 Credits.

This course introduces different coaching approaches and models in coaching and examines uniqueness and strengths/weaknesses of them. Further, students will learn how to determine which approach/model to implement based on individual athletes and goals to effectively improve overall performance.

Typically Offered: Fall.

HPER 454. Evidence-Based Practice. 3 Credits.

A dynamic course intended to expand students' ability to appropriately use research literature to guide clinical and practical decision-making and practice. Current issues, trends, and research in exercise science and rehabilitation professions are examined. The course serves as the capstone course for the exercise science and rehabilitative studies program and includes an in-depth research project utilizing evidence-based research methods.

Typically Offered: Spring.

HPER 455. Fundraising and Budget. 3 Credits.

This course will examine various aspects of fundraising for students entering the athletic profession. The course will also focus on the sport industry as a business and introduce students to practical applications in developing a financial plan.

Typically Offered: Spring.

HPER 485. Assessment in Adapted Physical Education. 3 Credits.

An advanced course designed to include the selection, evaluation, administration and interpretation of various tests used in the physical, behavioral and motor assessment practices of individuals with disabilities. This course prepares physical educators to administer a variety of norm and criteria referenced tests, and design age-appropriate learning activities.

Typically Offered: Spring.

Prerequisite: HPER 385.

HPER 487. Field Experience. 2-4 Credits.

An opportunity for the student to gain practical knowledge in an area of study. The student is required to complete 40 hours of work per credit and may be repeated up to a maximum of 12 credit hours. Application and approval through Program Department Chair.

Typically Offered: Fall, Spring, Summer.

Prerequisite: Cum GPA of 2.00 or higher.

Repeatable: Up to 12 Credits.

HPER 488. Adapted Physical Education Capstone. 2 Credits.

A course designed to combine content theory and instructional strategies with practical experiences in the adapted physical education setting.

Typically Offered: Fall.

HPER 490. Methods of Teaching K-12 Physical Education. 3 Credits.

A study of curriculum and methods used in promoting contemporary K-12 physical education programs that enables the prospective teacher to understand, teach, and assess the significance of the program. The class includes a practicum experience in which students are assigned to area public school physical education classes.

Typically Offered: Fall.

Prerequisites: Admitted to Teacher Education, HPER 306, and HPER 325.

HPER 491. Senior Portfolio. 1 Credit.

A course to assist the student in developing the digital portfolio used to assess the completion of the requirements for the VCSU Abilities and Skills. The course addresses both technical application and content.

Typically Offered: Fall, Spring.

Grading: S/U only.

HPER 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

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HPER 498. Coaching Practicum. 1-2 Credits.

A supervised coaching experience. Students arrange for their own experience with the approval of the course instructor. Experience must be documented by keeping a daily log.

Typically Offered: Fall, Spring, Summer.

Prerequisites: HPER 207 and HPER 210.

HPER 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Department of Language and Literature

McFarland Hall 315

Department Chair: Jodi Shorma
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<https://www.vcsu.edu/departments/language-and-literature/>

The study of language and literature goes to the core of much that is uniquely human—how people express themselves in their unique cultures, and the stories they use to preserve, reflect upon, and pass on their collective wisdom. The majors and minors we offer prepare students in numerous ways for a wide variety of careers and life goals, but the heart of our department shows more readily in the love of knowledge and the expertise our faculty exhibit in and out of the classroom every day, and the level and quality of personal interaction we achieve with our future graduates as students, advisees, and citizens of an increasingly complex world.

Language and Literature Learning Outcomes

Our graduates will:

1. Possess strong academic and creative writing skills;
2. Exhibit vital critical reading and thinking skills;
3. Routinely apply competent research skills; and
4. Understand the value of cultural fluency.

Master of Education

The Master of Education program offers a concentration in English designed specifically for teachers, as well as coursework intended to help teachers meet content area qualifications (<https://onestop.vcsu.edu/support/solutions/articles/10000059461-dual-credit-content-qualifications/>) for teaching Early Entry/Dual Credit courses. For more information on the Master of Education program, please see the Graduate Program (p. 461) section of this catalog, or visit the Graduate website at www.vcsu.edu/graduate/.

Betancur Echeverry, Luis (2022) Instructor; B.A. Pontificia Bolivariana University, Columbia, B.S.Ed. Valley City State University, M.A. (EAFIT) University, Columbia

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Knapp, Travis (2022) Assistant Professor; B.A. Oklahoma State University, M.A., Ph. D University of Missouri

Kruger, Lee (2001) Associate Professor; B.A. Wartburg College, M.A. University of Nebraska-Omaha

Russell, Julee (1995) Professor; B.S. Bemidji State University, M.A., Ph.D. University of North Dakota

Shorma, Jodi (2009) Assistant Professor; B.A., M.A. University of North Dakota

Wicktor, Emily D. (2022) Associate Professor; B.A., M.A. St. Cloud State University, Ph.D. University of Kansas

Majors

- English (B.A., B.S.) (p. 216)
 - General Cognate
 - Literature Studies Cognate
 - Professional Writing Cognate
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Minors

- English (p. 357)
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Certificate

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ENGL 110. College Composition I. 3 Credits.

A course which introduces students to college-level reading, writing, rhetoric, and critical thinking skills.

Typically Offered: Fall, Spring.

Prerequisite: ACT English score of 18 or higher, ACT English score of 14-17 with corequisite of ASC 88, or ASC 87.

ENGL 120. College Composition II. 3 Credits.

A course which continues the development of ENGL 110 skills with emphasis on research writing and documentation.

Typically Offered: Fall, Spring.

Prerequisite: ENGL 110 with a grade of C or better or an ACT English score of 23 or higher.

ENGL 125. Introduction to Professional Writing. 3 Credits.

A course which introduces the writing and research skills needed in business and technology fields. Topics include technical organizational patterns, document design, readability of text, research methods, research reporting and collaborative writing.

Typically Offered: Fall, Spring.

Prerequisite: ENGL 110 with a grade of C or better or an ACT English score of 23 or higher.

ENGL 194. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ENGL 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

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ENGL 210. College Composition III: Persuasive Writing. 3 Credits.

Advanced development of writing skills which emphasizes increasingly sophisticated and effective rhetoric and style. Topics include the study of classic and contemporary rhetorical strategies through the analysis of both written and visual media, and the application of that study in original student works, including memoir/narrative, critical analyses, and research.

Typically Offered: Spring.

Prerequisite: ENGL 120 or ENGL 125.

ENGL 213. Literary Publications. 0-1 Credits.

An introduction to creative and academic magazine publishing in which students will produce The Forge, the campus literary, essay, and arts journal. After learning about the current literary marketplace through a review of contemporary literary journals, students will learn how to solicit manuscript and visual art entries, and then edit, design, layout and publish the journal. Students will also take part in organizing an open mic event and promoting and distributing the finished product.

Typically Offered: Spring.

Prerequisite: ENGL 120 or ENGL 125.

Grading: S/U only.

Repeatable: Up to 3 Credits.

ENGL 220. Introduction to Literature. 3 Credits.

A course which introduces students to college-level reading and discussion of representative examples from poetry, drama, and fiction using common literary terminology. ENGL 220 may not be used to meet the English major literature requirements.

Typically Offered: Fall.

ENGL 225. Introduction to Film. 3 Credits.

A course which introduces students to film studies, including analysis of narrative and stylistic elements of films.

Typically Offered: Spring.

ENGL 232. Mythology. 3 Credits.

A study of representative myths, legends, and folklore from various cultures with emphasis upon the literary and cultural aspects of myth.

Typically Offered: Fall.

ENGL 241. World Literature I. 3 Credits.

A survey of major world literature text dating from antiquity through medieval times.

Typically Offered: Fall, even years.

ENGL 242. World Literature II. 3 Credits.

A survey of major world literature texts dating from the Renaissance to the present.

Typically Offered: Spring, odd years.

ENGL 261. American Literature I. 3 Credits.

A survey of the principle authors and literary movements to the end of the Civil War.

Typically Offered: Fall, odd years.

ENGL 262. American Literature II. 3 Credits.

A survey of the principle authors and literary movements from the end of the Civil War to the present time.

Typically Offered: Spring, even years.

ENGL 294. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ENGL 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ENGL 300. Grammatical Analysis. 3 Credits.

A practical course in grammatical construction and usage, including traditional, structural, and transformational descriptions.

Typically Offered: Fall.

ENGL 305. Writing Workshop. 1 Credit.

A workshop course dealing with the original student work in a specific creative writing genre including poetry, drama, fiction, or creative non-fiction. May be repeated for credit.

Typically Offered: Fall-odd yrs; Spring.

Repeatable: Up to 3 Credits.

ENGL 309. Linguistics and Language Acquisition. 3 Credits.

A study of the nature of language, organization principles of language, the history of English language and the principles of language change, and the psycholinguistic theories of first and second language acquisition.

Typically Offered: Summer; Spring, even years.

ENGL 310. Writing in the Major. 3 Credits.

An intensive study of various methods of composition specific to the discipline and stressing theory, research, audience expectation, and revision.

Typically Offered: Spring, odd years.

ENGL 330. Creative Writing. 3 Credits.

The intensive study and practice of writing poetry, short stories, and nonfiction, with the goal of constructing a polished portfolio of work. The course includes the exploration of contemporary genres and writing techniques.

Typically Offered: Fall, even years.

Prerequisite: ENGL 120 or ENGL 125.

ENGL 350. Young Adult Reading and Literature. 3 Credits.

An examination of reading theories and issues as they relate to literature for young adults. Works of literature for young adults will be studied with regard to reading issues, human development, censorship, literary value, and lifelong reading/learning. The course will include identifying reading materials for mainstream and reluctant readers with a focus on diversity such as ethnic, socio-economic, and gender.

Typically Offered: Spring.

ENGL 351. British Literature I. 3 Credits.

A survey of principle British authors and literary movements, covering the literature from the early Middle Ages through the end of the 18th Century.

Typically Offered: Spring, odd years.

ENGL 352. British Literature II. 3 Credits.

A survey of the principle British authors and literary movements from the Romantic period to the present time.

Typically Offered: Fall, odd years.

ENGL 360. Literature in Translation. 3 Credits.

A study of representative works from non-English speaking countries with emphasis on literary representation of postcolonial and postmodern experience.

Typically Offered: On sufficient demand.

ENGL 371. Critical Theory. 3 Credits.

A formal introduction to traditional and contemporary critical approaches which build upon discipline-specific methods of literary analysis.

Typically Offered: Spring, even years.

ENGL 391. Global Seminar. 1-3 Credits.

Interdisciplinary examination of a specific language, culture, and its current local/global issues. In-depth experiences in the country of student's choice. Required before a study-abroad program travel. Cross-referenced with GEOG 391, HIST 391, and HUM 391.

Typically Offered: Spring.

Same As: ENGL, GEOG, HIST, HUM 391.

ENGL 393. Writing Center Tutoring. 1 Credit.

A concentrated tutor training course for developing the knowledge and skills necessary for writing tutors to effectively assist individuals and small groups with their writing challenges. Topics include tutoring techniques, revision strategies, error identification, and VCSU's Writing Center methodologies. Any student who wishes to work in the Writing Center must complete this course before becoming a writing tutor. The course does not count toward a major or minor in English.

Typically Offered: Fall, Spring.

ENGL 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ENGL 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ENGL 409. Language and Culture. 3 Credits.

An examination of the basic sociocultural variables in the acquisition process of first and second languages. Theories in language use, language learning, types of bilingual and multilingual education situations, and social determinants of dialect and style will also be discussed.

Typically Offered: Fall.

ENGL 410. Technical and Scientific Writing. 3 Credits.

An advanced writing course which focuses on formal writing projects required in technical and scientific fields to include technical and scientific research reports and proposals, RFPs, and grant writing.

Typically Offered: Fall-even yrs; Spring-even yrs.

Prerequisite: ENGL 120 or ENGL 125.

ENGL 420. Writing for the Web. 3 Credits.

A study of the types and rhetorical demands of online communication, focusing especially on writing help documents, FAQs, software documentation, and copyright issues. Includes copy-editing concerns (clarity, conciseness, accuracy, grammatical correctness) as they relate to these types of writing.

Typically Offered: Fall, odd years.

Prerequisite: ENGL 120 or ENGL 125.

ENGL 430. Studies in Poetry. 3 Credits.

An intensive study of poetic principles as exhibited in the poetry of selected authors, themes, or types.

Typically Offered: On sufficient demand.

ENGL 440. Studies in World Literature. 3 Credits.

An advanced course of selected genres, authors, themes, or eras in World Literature.

Typically Offered: Fall, odd years.

Repeatable: Up to 6 Credits.

ENGL 450. Studies in British Literature. 3 Credits.

An advanced course of selected genres, authors, themes, or eras in British literature. May be repeated for credit.

Typically Offered: Fall, even years.

Repeatable: Up to 6 Credits.

ENGL 460. Studies in American Literature. 3 Credits.

An advanced course which examines selected genres, authors, themes, or eras in American Literature. May be repeated for credit.

Typically Offered: Spring, odd years.

Repeatable: Up to 6 Credits.

ENGL 480. Shakespeare. 3 Credits.

A study of Shakespeare's life, times, and writings, emphasizing major plays.

Typically Offered: Spring.

ENGL 490. Methods of Teaching English. 3 Credits.

An examination of the curriculum, methods, materials, trends, and philosophy in the teaching of the English language arts in secondary schools. ENGL 490 must be successfully completed prior to student teaching.

Typically Offered: Fall, odd years.

Prerequisite: Admitted to Teacher Education.

ENGL 491. Senior Capstone. 2 Credits.

A course which provides the opportunity for upper-level students to work individually with professors in designing and completing a Senior Thesis, as well as exposing future graduates to discipline-specific career expectations and processes.

Typically Offered: Fall, Spring.

Grading: S/U only.

ENGL 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

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ENGL 497. Internship. 3 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted for three hours per semester and may be repeated up to a maximum of six credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 6 Credits.

ENGL 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SPAN 101. 1st Year Spanish I. 3 Credits.

A study of grammar, speaking, reading, and writing in Spanish for students who have had no previous knowledge of the language.

Typically Offered: Fall.

SPAN 102. 1st Year Spanish II. 3 Credits.

A study of grammar, speaking, reading, and writing in Spanish for students who have basic knowledge of the present tense and beginning vocabulary.

Typically Offered: Spring.

Prerequisite: SPAN 101.

SPAN 194. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SPAN 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SPAN 201. 2nd Year Spanish I. 3 Credits.

A continuation of SPAN 101 and 102 with further development of reading skills to increase vocabulary. The course includes selected readings and conversation in Spanish and an introduction to the literature of Spain and Latin America.

Typically Offered: Fall.

Prerequisite: SPAN 102.

SPAN 202. 2nd Year Spanish II. 3 Credits.

A continuation of SPAN 201 with further development of reading skills to increase vocabulary. The course includes selected readings and conversation in Spanish and an introduction to the literature of Spain and Latin America.

Typically Offered: Spring.

Prerequisite: SPAN 201.

SPAN 215. Spanish Conversation. 3 Credits.

An opportunity for skilled development in speaking and listening to the language.

Typically Offered: Spring.

Prerequisite: SPAN 202.

SPAN 220. Introduction to Hispanic Literature & Culture. 3 Credits.

The reading and discussion of outstanding literary works of Spanish and Spanish American literature as well as Hispanic culture.

Typically Offered: Fall, odd years.

Prerequisite: SPAN 202.

SPAN 251. Spanish Grammar and Composition. 3 Credits.

A course designed to further develop knowledge of the Spanish language in writing. The course will prepare students to teach Spanish and/or improve their use of written and spoken Spanish.

Typically Offered: Fall, even years.

Prerequisite: SPAN 202.

SPAN 294. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SPAN 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SPAN 350. Hispanic Culture and Civilization. 3 Credits.

A study of various aspects of Hispanic culture and civilization through the centuries.

Typically Offered: Fall, even years.

Prerequisite: SPAN 202.

SPAN 391. Global Seminar. 2 Credits.

Interdisciplinary examination of a specific language, culture, and its current local/global issues. In-depth experiences in the country of student's choice. Required before a study-abroad program travel.

Typically Offered: On sufficient demand.

SPAN 393. Practicum in Teaching Spanish. 1-3 Credits.

An opportunity for firsthand experience in teaching Spanish. By Arrangement.

Typically Offered: On sufficient demand.

SPAN 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SPAN 396. Travel to a Spanish Speaking Country. 2 Credits.

An opportunity to travel to a Spanish-speaking country in order to improve the understanding of language and culture.

Typically Offered: On sufficient demand.

Prerequisite: SPAN 202 with a grade of C or better and SPAN 391.

Repeatable: Up to 4 Credits.

SPAN 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SPAN 415. Advanced Spanish Conversation. 3 Credits.

An opportunity for advanced skill development in speaking and listening to the language.

Typically Offered: Spring, even years.

Prerequisite: SPAN 202.

SPAN 420. Readings in Hispanic Literature. 3 Credits.

A study of selected literary texts in the Spanish language.

Typically Offered: Fall, odd years.

Prerequisite: SPAN 220.

SPAN 490. Methods of Teaching Spanish. 3 Credits.

A study of the curriculum, methods, materials, and trends in the teaching of Spanish. SPAN 490 must be taken prior to student teaching.

Typically Offered: Fall, odd years.

Prerequisite: Admitted to Teacher Education.

SPAN 491. Senior Portfolio. 1 Credit.

A course to assist the student in developing the digital portfolio used to assess the completion of the requirements for the VCSU Abilities and Skills. The course addresses both technical application and content.

Typically Offered: On sufficient demand.

Grading: S/U only.

SPAN 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SPAN 496. Travel to a Spanish Speaking Country. 1-4 Credits.

An opportunity to travel to a Spanish-speaking country in order to improve the understanding of language and culture.

Typically Offered: On sufficient demand.

Repeatable: Up to 4 Credits.

SPAN 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: On sufficient demand.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

SPAN 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Department of Mathematics

Rhoades Science Center 132

Department Chair: Jamie Wirth, Ph.D.

Assistant: Kelly Spanier

(800) 532-8641 extension 37645

(701) 845-7645

www.vcsu.edu/departments/mathematics/ (<https://www.vcsu.edu/departments/mathematics/>)

www.vcsu.edu/departments/mathematics/)

Mathematics is the foundation for all science, technology, and engineering. Mathematical sophistication is a fundamental skill for a technical society like ours. The VCSU Mathematics Department specializes in the preparation of secondary mathematics teachers. There is plentiful demand in the job market for math teachers. In fact, recent graduates of VCSU's Math Education program have enjoyed 100% job placement over the past 15+ years. The program follows the guidelines of the Council for the Accreditation of Educator Preparation (CAEP) and the North Dakota Education Standards and Practices Board (ESPB).

Learning Outcomes

1. Students will demonstrate the ability to make mathematical connections and properly use mathematical problem solving, reasoning, communication, and representation.
2. Students will demonstrate appropriate use of technology and concrete materials for building understanding of mathematical concepts.
3. Students will demonstrate an understanding of both secondary school mathematics and college core mathematics including the history and philosophy of math and basic computer programming.
4. Students will demonstrate the ability to use a variety of teaching methods and assessment strategies.

Kosel, Trent (2020) Assistant Professor; B.S. Valley City State University; M.A. Minot State University; M.Ed. North Dakota State University

Noteboom, Benjamin (2022) Assistant Professor; B.S., M.S., Ph.D. North Dakota State University

Wirth, Jamie (2008) Professor; B.A. University of North Dakota, B.S. Mayville State University, M.A. Minot State University, Ph.D. North Dakota State University

Majors

- Mathematics (B.A., B.S.) (p. 272)
- Mathematics Education (B.S. in Education) (p. 276)

Minor

- Mathematics (p. 359)

MATH 103. College Algebra. 3 Credits.

Relations and functions, equations and inequalities, complex numbers; polynomial, rational, exponential and logarithmic functions and systems of equations.

Typically Offered: On sufficient demand.

Prerequisite: ASC 93 with a grade of C or better, ACT Math score of 21 or higher, or qualifying math placement score.

MATH 104. Finite Mathematics. 3 Credits.

An extension of basic algebra to areas that have applications in the economic, behavior, social, and life sciences. Topics include systems of linear equations and inequalities, matrices, linear programming, mathematics of finance, elementary probability and descriptive statistics.

Typically Offered: Fall, Spring.

Prerequisite: ASC 93 with a grade of C or better, ACT Math score of 21 or higher, or qualifying math placement score.

MATH 105. Trigonometry. 2 Credits.

The study of trigonometric functions and their properties. Topics include angle measure; trigonometric and inverse trigonometric functions; trigonometric identities and equations; parametric and polar coordinates; and general applications.

Typically Offered: On sufficient demand.

Prerequisite: ASC 93 with a grade of C or better, ACT Math score of 21 or higher, or qualifying math placement score.

MATH 107. Precalculus. 3 Credits.

The study of algebraic functions in preparation for calculus. Topics include equations and inequalities; polynomial, rational, exponential, logarithmic, trigonometric and inverse trigonometric functions; trigonometric identities and equations; and applications.

Typically Offered: Fall, Spring.

Prerequisite: ASC 93 with a grade of C or better, ACT Math score of 21 or higher, or qualifying math placement score.

MATH 110. Mathematics in Society. 3 Credits.

This course covers a broad range of mathematics that a person would encounter in their daily life. Topics include: statistical interpretation, data visualization, probability, growth models, finance, politics and voting, logic and sets, and the intersection of mathematics and the arts. Throughout, appropriate use of mathematical technology will be emphasized.

Typically Offered: Fall, Spring.

Prerequisite: ASC 93 with a grade of C or better, ACT Math score of 21 or higher, or qualifying math placement score.

MATH 146. Applied Calculus I. 3 Credits.

A study of limits, derivatives, integrals, exponential, logarithmic functions and applications.

Typically Offered: On sufficient demand.

Prerequisite: MATH 103; or MATH 107; or ACT Math score of 24 or higher; or qualifying math placement score.

MATH 165. Calculus I. 4 Credits.

The concepts, techniques, and applications of analytic geometry and differential and integral calculus. Topics include limits, continuity, differentiation, Mean Value Theorem, integration, Fundamental Theorem of Calculus, and applications.

Typically Offered: Spring.

Prerequisite: MATH 107; or MATH 103 and MATH 105; or ACT Math score of 24 or higher; or qualifying math placement score.

MATH 166. Calculus II. 4 Credits.

The concepts, techniques, and applications of analytic geometry and differential and integral calculus. Topics include applications and techniques of integration; polar equations; parametric equations; sequences and series; power series and applications.

Typically Offered: Fall.

Prerequisite: MATH 165.

MATH 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MATH 208. Discrete Mathematics. 3 Credits.

Sets, relations and functions, combinatorics, logic, methods of proof, Boolean Algebra, difference equations, mathematical induction, combinatorics, introduction to graph theory and automata.

Typically Offered: Fall, odd years.

Prerequisite: MATH 103 or MATH 104 or MATH 107 or MATH 165.

MATH 210. Elementary Statistics. 3 Credits.

An introduction to statistical methods of gathering, presenting and analyzing data. Topics include probability and probability distributions, confidence intervals, hypothesis testing, and linear regression and correlation.

Typically Offered: Fall, Spring.

Prerequisite: ASC 93 with a grade of C or better, ACT Math score of 21 or higher, or qualifying math placement score.

MATH 265. Calculus III. 4 Credits.

The concepts, techniques, and applications of analytic geometry and differential and integral calculus. Topics include multivariate and vector calculus including partial derivatives; multiple integration and its applications; line and surface integrals; Green's Theorem and Stoke's Theorem.

Typically Offered: Spring.

Prerequisite: MATH 166.

MATH 266. Introduction to Differential Equations. 3 Credits.

The study of differential equations. Topics include solutions of elementary differential equations by elementary techniques; Laplace transforms; systems of equations; matrix methods; numerical techniques; and applications.

Typically Offered: Fall.

Prerequisite: MATH 265.

MATH 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MATH 311. Modern Geometry. 3 Credits.

A study of axiomatic geometry including analysis and applications of the following topics: Congruence; Similarity, Right Triangles, and Trigonometry; Circles; Expressing Geometric Properties with Equations; Geometric Measurement and Dimension; Modeling with Geometry; Projective Geometry; Hyperbolic Plane Geometry; and Elliptic Plane Geometry.

Typically Offered: Spring, even years.

MATH 312. College Geometry II. 3 Credits.

A continuation of the advanced study of geometry. Topics include area theory, circles in a plane, constructions with ruler and compass, solid mensuration, and an introduction to non-Euclidean geometries.

Typically Offered: On sufficient demand.

MATH 313. Algebra and Functions for Teachers. 3 Credits.

A study of algebra and functions for pre-service teachers. Course includes analysis, applications, and pedagogical approaches for the following secondary school topics: seeing structure in expressions; arithmetic with polynomials and rational functions; creating and reasoning with equations and inequalities; interpreting and building linear, quadratic, exponential, and trigonometric functions.

Typically Offered: Spring, odd years.

MATH 314. Geometry & Trigonometry for Teachers. 3 Credits.

A study of axiomatic geometry and trigonometry for pre-service teachers. Course includes analysis, applications, and pedagogical approaches for the following secondary school topics: Congruence; Similarity, Right Triangles, and Trigonometry; Circles; Expressing Geometric Properties with Equations; Geometric Measurement and Dimension; Modeling with Geometry. Additional undergraduate axiomatic geometry topics include Projective Geometry, Hyperbolic Plane Geometry, and Elliptic Plane Geometry.

Typically Offered: Spring, even years.

MATH 321. Applied Probability and Statistics. 3 Credits.

A non-calculus-based introduction to methods of probability and statistics. Topics to be covered are combinatorial probability, random variables and their distributions, distribution functions and their properties, and the Central Limit Theorem and its applications. Sample-based inferences of population means and standard deviations, significance tests and confidence limits, tests of hypotheses, ANOVA, and regression analysis are covered.

Typically Offered: Spring.

Prerequisite: MATH 103 or MATH 104 or MATH 107 or MATH 165 or MATH 210.

MATH 330. Linear Algebra and Matrices. 3 Credits.

An introduction to linear algebra which includes matrix algebra, linear systems, the notion of a vector space, and linear transformations and their matrix representations.

Typically Offered: Spring, even years.

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MATH 340. Abstract Algebra. 4 Credits.

A study of algebraic structures. Topics include sets, mappings, relations, and operations; axiomatic development of familiar algebraic systems; examples and basic algebraic properties of groups, rings and fields.

Typically Offered: Fall, even years.

Prerequisite: MATH 165.

MATH 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MATH 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MATH 400. History and Philosophy of Mathematics. 2 Credits.

An introduction to the history and philosophy of mathematics.

Topics include informal origins; ancient, medieval, and modern mathematics; the role of proofs, the status of mathematical objects, logicism, intuitionism and constructive proofs, formalism and the axiom of choice.

Typically Offered: Spring, odd years.

MATH 410. Real Analysis. 3 Credits.

An introduction to rigorous theory of calculus. Topics covered include the real number system, sequences, limits, continuous functions in \mathbb{R} , continuous functions of several variables, metric spaces uniform convergence, interchange of limit operations, infinite series, mean value theorems and their applications, and Riemann integrals.

Typically Offered: Fall.

Prerequisite: MATH 265.

MATH 490. Teaching Secondary School Mathematics. 3 Credits.

An opportunity for students planning to teach math in the secondary schools to understand and apply content topics which align with ND Math Education standards and ND teacher education standards.

Typically Offered: Fall, even years.

MATH 491. Math Capstone. 1 Credit.

A capstone course designed for students to demonstrate competence in math program learning outcomes.

Typically Offered: Fall.

Grading: S/U only.

MATH 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MATH 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

MATH 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Department of Music

Center for the Arts

Department Chair: Kenneth Jimenez, D.M.A.

Administrative Assistant: Paula Larson

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music.vcsu.edu (<http://music.vcsu.edu>)

The Department of Music at Valley City State University is known for its innovative programs and dedicated faculty. Multiple opportunities for performance are available including Concert Band, Athletic Band, Concert Choir, University Singers, Wind Ensemble, and numerous chamber and solo performances. Generous scholarships are offered to music majors, music minors, and participants in the various ensembles. Valley City State University is accredited by the National Association of Schools of Music (NASM).

Mission of the Department of Music

- Provide superior training for public school music teachers
- Assist musicians to perform at their highest possible level of ability
- Develop in students a broad understanding of music within the context of a liberal arts education
- Lead in innovative online music programs
- Contribute to the cultural environment of campus and community

Music Learning Outcomes

VCSU Music Majors will:

1. Demonstrate competence in basic musicianship skills.
2. Develop requisite performance skills as a soloist and ensemble member, consistent with the objectives of their degree plan.
3. Interpret and analyze music from a variety of cultures and time periods.
4. Demonstrate teaching skills consistent with the objectives of their degree plan.

Cunningham, Steven (2022) Assistant Professor; B.M. University of North Texas, M.M. Oklahoma State University, D.M.A. University of Minnesota

Heide, Jerrold (2018) Assistant Professor; B.M. Dickinson State University, M.M. University of South Dakota

Jimenez, Kenneth (2017) Assistant Professor; B.M. University of Wyoming, M.M. University of Minnesota Duluth, D.M.A. North Dakota State University

Johnson, Oswald (2022) ; B.M. Wheaton College, M.M. Ohio University

Mallory, Dustin (2021) Assistant Professor; B.A. Saginaw Valley State University, M.A. Rutgers The State University of New Jersey

Rolf, Kathryn (2021) Assistant Professor; B.A. Concordia University, M.M., D.M.A. North Dakota State University

Shuler, Jessica (2020) ; B.A. Clemson University, B.S. Valley City State University

Wiehl, Lindsey (2021) Assistant Professor; B.S. The College of Saint Rose, M.M., D.A. Ball State University

Majors

- Music - Composite (B.A., B.S.)
 - Audio Production Concentration (p. 285)
 - General Studies Concentration (p. 289)
 - Performance Concentration (p. 293)
- Music Education – Composite (B.S. in Education) (p. 296)

Minors

- Music (p. 360)
- Music Audio Production (p. 360)
- Music Education (p. 360)
- Piano Pedagogy (p. 361)

Certificates

- Music Audio Production (p. 367)
- Music Composition (p. 367)
- Piano Pedagogy (p. 368)

MUS 100. Music Appreciation. 3 Credits.

An introduction to some of the world's greatest music. Students learn to react to music on emotional and intellectual levels. Emphasis is placed on listening for basic elements of music, with a goal of establishing a life-long enjoyment of this art form.

Typically Offered: Fall, Summer.

MUS 101. Music Fundamentals. 3 Credits.

The study of fundamental music skills, including; reading notes, scales, and chords; listening skills; and music terminology. The course is open to all students.

Typically Offered: Spring, Summer.

MUS 104. Group Piano for Non-Majors. 1 Credit.

The first course in a two semester option intended for non-music majors who wish to learn to play the piano. Topics include basic note and rhythm reading, ensemble playing, and repertoire. Class instruction is given in an electronic piano laboratory.

Typically Offered: Fall.

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MUS 105. Group Piano for Non-Majors. 1 Credit.

The second course in a two semester option intended for non-music majors who wish to learn to play the piano. Topics include basic note and rhythm reading, ensemble playing, and repertoire. Class instruction is given in an electronic piano laboratory.

Typically Offered: Spring.

Prerequisite: MUS 104.

MUS 109. Music Theory I. 3 Credits.

A sequence designed to develop the basic musicianship skills required to analyze, read, write, and perform music. These courses will use portfolios to document work, to demonstrate competencies, and to apply concepts to real musical situations.

Typically Offered: Fall.

MUS 110. Music Theory II. 3 Credits.

The second course in a two-semester sequence designed to develop the basic musicianship skills required to analyze, read, write, and perform music. This course uses portfolios to document work, to demonstrate competencies, and to apply concepts to real musical situations.

Typically Offered: Spring.

Prerequisite: MUS 109.

MUS 111. Class Piano I. 1 Credit.

The first course in a four-semester sequence which supplements music theory with class instruction in an electronic piano laboratory. Activities include sight-reading, transposing, improvising, score-reading, accompaniment coaching, ensemble playing, keyboard harmony, and keyboard facility.

Typically Offered: Fall.

MUS 112. Class Piano II. 1 Credit.

A continuation of the development of skills introduced in MUS 111.

Typically Offered: Spring.

Prerequisite: MUS 111.

MUS 121. Aural Skills I. 1 Credit.

A companion course to Theory I, designed to develop the visual and aural skills of the student. Content includes rhythm and meter exercises; singing in scale degrees and solfege; and rhythmic, melodic and harmonic dictation.

Typically Offered: Fall.

MUS 122. Aural Skills II. 1 Credit.

A companion course to Theory II and a continuation of the development of skills introduced in MUS 121.

Typically Offered: Spring.

Prerequisite: MUS 121.

MUS 130. Valkyries. 0-1 Credits.

The study, rehearsal, and performance of choral literature for women's voices. The choir presents on- and off-campus concerts throughout the year. Open to all female students. May be repeated for credit.

Typically Offered: Fall, Spring.

Repeatable: Up to 10 Credits.

MUS 131. Concert Choir. 0-1 Credits.

The study, rehearsal, and performance of music for larger choral ensembles. The choir presents on- and off-campus concerts throughout the year. Open to all students with prior experience or by permission of the instructor. May be repeated for credit.

Typically Offered: Fall, Spring.

Repeatable: Up to 10 Credits.

MUS 132. University Singers. 0-1 Credits.

The development of individual and group musicianship and vocal skills through the study, rehearsal, and performance of chamber music, madrigals, and contemporary popular music, including vocal jazz and musical theatre. The group presents on- and off-campus concerts throughout the year. Open to all students by permission of the instructor. May be repeated for credit. MUS 132 may not be substituted by music education majors for MUS 131.

Typically Offered: Fall, Spring.

Repeatable: Up to 10 Credits.

MUS 133. Opera Ensemble. 0-1 Credits.

The study, rehearsal, and performance of music specific to opera, oratorio, and musical theatre. Admission is by audition only. May be repeated for credit.

Typically Offered: Fall-even yrs, Spring-odd yrs.

Repeatable: Up to 10 Credits.

MUS 134. Piano Ensembles. 1 Credit.

The study, rehearsal, and performance of music for all types of piano ensembles. Permission of instructor required. May be repeated for credit.

Typically Offered: Fall, Spring.

Repeatable: Up to 10 Credits.

MUS 135. Accompanying. 1 Credit.

Studio accompanying during one private lesson and one studio class weekly, as well as in the lessons, studio classes, recitals, and/or juries of various student performers. May be repeated for credit.

Typically Offered: Fall, Spring.

Repeatable: Up to 10 Credits.

MUS 140. Athletic Band. 0-1 Credits.

The Athletic Band rehearses weekly and represents the VCSU Music Department at football and basketball athletic events, serving student athletes, the Athletic Department, and the University. Repertoire will focus on standard and modern popular genres and styles, with an emphasis on musical energy.

Typically Offered: On sufficient demand.

Repeatable: Up to 10 Credits.

MUS 141. Concert Band. 0-1 Credits.

The study and performance of fine quality symphonic wind and percussion literature. The group presents concerts on- and off-campus annually. Open to all students by permission of the instructor. May be repeated for credit.

Typically Offered: Fall, Spring.

Repeatable: Up to 10 Credits.

MUS 142. Jazz Ensemble. 0-1 Credits.

The study and performance of big band music from the blues to modern jazz. The band presents concerts on-campus and performs at various social events on and off campus. Open to all students by permission of the instructor. May be repeated for credit. MUS 142 may not be substituted by music education majors for MUS 141.

Typically Offered: Fall, Spring.

Repeatable: Up to 10 Credits.

MUS 143. Commercial Music Ensemble. 1 Credit.

The study and performance of popular music for guitarists, drummers, singers, and keyboardists, and wind instruments. The group presents concerts on-campus and tours annually. Open to all students by permission of the instructor. May be repeated for credit.

Typically Offered: Fall, Spring.

Repeatable: Up to 10 Credits.

MUS 144. Percussion Ensemble. 1 Credit.

The study and performance of percussion music representing various style periods. Admission is by permission of the instructor. May be repeated for credit.

Typically Offered: On sufficient demand.

Repeatable: Up to 10 Credits.

MUS 145. Brass Ensemble. 1 Credit.

The study and performance of brass music representing various style periods. Admission is by permission of instructor. May be repeated for credit.

Typically Offered: Fall, Spring.

Repeatable: Up to 10 Credits.

MUS 146. Woodwind Ensemble. 1 Credit.

The study and performance of woodwind music representing various style periods. Admission is by permission of the instructor. May be repeated for credit.

Typically Offered: Fall, Spring.

Repeatable: Up to 10 Credits.

MUS 147. Handbell Choir. 1 Credit.

The study, pedagogy, rehearsal, and performance of music for Handbell Choir. This ensemble serves as basic preparation for leading Handbell Choirs. Admission is by permission of instructor. May be repeated for credit.

Typically Offered: Fall, Spring.

Repeatable: Up to 10 Credits.

MUS 148. Orchestra. 1 Credit.

The study and performance of symphonic and orchestral literature. The group presents concerts on- and of-campus annually. The course is open to all students, faculty, staff, and community members who play string, wind, or percussion instruments by permission of the instructor and may be repeated for credit.

Typically Offered: Fall, Spring.

Repeatable: Up to 10 Credits.

MUS 149. Wind Ensemble. 0-1 Credits.

The study and performance of fine quality symphonic wind literature through a chamber ensemble setting. The group presents concerts on- and off-campus annually. Open by Instructor Permission.

Typically Offered: Spring.

Repeatable: Up to 10 Credits.

MUS 150. Applied Piano. 1-2 Credits.

1 credit music lessons (a weekly half hour of private instruction) are open to all students, regardless of program of study; and to music majors and minors depending upon the requirements of their program. 2 credit music lessons (a weekly hour of private instruction) are open only to music majors and minors. Music majors and minors will complete at least two semesters of 100-level applied music before passing to the next level. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Repeatable: Up to 8 Credits.

MUS 152. Voice Class. 1 Credit.

The fundamentals of vocal production for students with little or no previous vocal training, instead as a preliminary to individual applied study or choral ensemble participation. Vocal secondaries may substitute MUS 152 for one semester of MUS 153. Admission is by permission of the instructor.

Typically Offered: Fall, Spring.

Repeatable: Up to 2 Credits.

MUS 153. Applied Voice. 1-2 Credits.

1 credit music lessons (a weekly half hour of private instruction) are open to all students, regardless of program of study; and to music majors and minors depending upon the requirements of their program. 2 credit music lessons (a weekly hour of private instruction) are open only to music majors and minors. Music majors and minors will complete at least two semesters of 100-level applied music before passing to the next level. Applied lessons may not be audited. Students with little or no previous vocal training will enroll in MUS 152 Voice Class. Vocal secondaries may substitute MUS 152 for one semester of MUS 153.

Typically Offered: Fall, Spring.

Repeatable: Up to 8 Credits.

MUS 154. Applied Guitar. 1-2 Credits.

All music majors and minors are required to take applied music. Non-music students may take applied music (1 credit per semester) if time is available in the Instructor's teaching schedule.

Typically Offered: Fall, Spring.

Repeatable: Up to 8 Credits.

MUS 155. Applied Strings. 1-2 Credits.

Applied music in orchestral strings: violin, viola, cello, or bass. 1 credit music lessons (a weekly half hour of private instruction) are open to all students, regardless of program of study; and to music majors and minors depending upon the requirements of their program. 2 credit music lessons (a weekly hour of private instruction) are open only to music majors and minors. Music majors and minors will complete at least two semesters of 100-level applied music before passing to the next level. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Repeatable: Up to 8 Credits.

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MUS 159. Applied Percussion. 1-2 Credits.

1 credit music lessons (a weekly half hour of private instruction) are open to all students, regardless of program of study; and to music majors and minors depending upon the requirements of their program. 2 credit music lessons (a weekly hour of private instruction) are open only to music majors and minors. Music majors and minors will complete at least two semesters of 100-level applied music before attempting the proficiency exam and passing to the next level. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Repeatable: Up to 8 Credits.

MUS 160. Applied Brass. 1-2 Credits.

Applied music in brass instruments: trumpet, horn, trombone, euphonium, or tuba. 1 credit music lessons (a weekly half hour of private instruction) are open to all students, regardless of program of study; and to music majors and minors depending upon the requirements of their program. 2 credit music lessons (a weekly hour of private instruction) are open only to music majors and minors. Music majors and minors will complete at least two semesters of 100-level applied music before passing to the next level. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Repeatable: Up to 8 Credits.

MUS 165. Applied Woodwinds. 1-2 Credits.

Applied music in woodwinds: flute, clarinet, saxophone, oboe, or bassoon. 1 credit music lessons (a weekly half hour of private instruction) are open to all students, regardless of program of study; and to music majors and minors depending upon the requirements of their program. 2 credit music lessons (a weekly hour of private instruction) are open only to music majors and minors. Music majors and minors will complete at least two semesters of 100-level applied music before passing to the next level. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Repeatable: Up to 8 Credits.

MUS 170. Jazz Improvisation. 1-2 Credits.

Development of the ability to improvise music based upon a variety of chord structures. Instruction is in individual lessons or small groups. May be repeated for credit.

Typically Offered: On sufficient demand.

Repeatable: Up to 8 Credits.

MUS 171. Introduction to Music Technology. 3 Credits.

The development of basic skills and technology in the field of music. Students will become familiar with basic music software for both composition and recording; and will learn foundational skills in live sound reinforcement, recording technology, MIDI applications and programs, and podcasting.

Typically Offered: Fall.

MUS 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MUS 200. Music Convocation. 0 Credits.

This course meets during the semester for student recital hours and music student meetings. The course is required of all music majors and minors for the duration of the program. Exceptions are made only for students who are practice teaching, or for majors and minors who have completed all program requirements.

Typically Offered: Fall, Spring.

Grading: S/U only.

Repeatable: Up to 0 Credits.

MUS 201. Music Theory III. 3 Credits.

The study of harmonic and contrapuntal procedures used in western music from 1500 to the present. Emphasis is placed on formal structure, style characteristics, visual and aural analysis, and part-writing.

Typically Offered: Fall.

Prerequisite: MUS 110.

MUS 202. Music Theory IV. 3 Credits.

A continuation of MUS 201. Emphasis is placed on formal structure, style characteristics, visual and aural analysis, and part-writing.

Typically Offered: Spring.

Prerequisite: MUS 201.

MUS 203. Aural Skills III. 1 Credit.

A companion course to Theory III, designed to develop the visual and aural skills of the student. Content includes rhythm and meter exercises; singing in scale degrees and solfege; and rhythmic, melodic and harmonic dictation.

Typically Offered: Fall.

Prerequisite: MUS 122.

MUS 204. Aural Skills IV. 1 Credit.

A companion course to Theory IV and a continuation of development of the skills introduced in MUS 203.

Typically Offered: Spring.

Prerequisite: MUS 203.

MUS 205. Basic Conducting. 2 Credits.

A study of basic conducting techniques, score preparation, and interpretation of choral and instrumental literature.

Typically Offered: Fall.

Prerequisite: MUS 110.

MUS 206. World Music. 3 Credits.

A survey course concerning music of the world in relation to the trajectory of Western Art Music. Topics include folk, popular, and other musical forms of both North and South America, Africa, Asia, Europe, and the Middle East. Music is studied within the context of its respective social-cultural epoch.

Typically Offered: Spring.

MUS 207. History of Rock and Roll. 3 Credits.

A historical survey of American popular music, expressly the Rock and Roll genre from the turn of the 20th century to the present day.

Typically Offered: Fall, Spring, Summer.

MUS 209. Introduction to the Modern Recording Studio. 3 Credits.

An introduction to the modern recording studio, including recording, editing and mixing creative work, as well as principles of acoustics and psycho-acoustics. Computer-based recording equipment is used to demonstrate modern recording theory and practice. Basic use of virtual instruments, MIDI sequencing and loops are also covered in this course. In addition, students will gain experience with recording live events.

Typically Offered: Fall-even years; Spring.

Prerequisite: Sophomore Standing or higher.

MUS 211. Class Piano III. 1 Credit.

A course that supplements music theory with class instruction in an electronic piano laboratory. Activities include sight-reading, transposing, improvising, score-reading, accompaniment coaching, ensemble playing, keyboard harmony, and keyboard facility.

Typically Offered: Fall.

Prerequisite: MUS 112.

MUS 212. Class Piano IV. 1 Credit.

A course that supplements music theory with class instruction in an electronic piano laboratory. Activities include sight-reading, transposing, improvising, score-reading, accompaniment coaching, ensemble playing, keyboard harmony, and keyboard facility. A keyboard proficiency exam is given at the end of the semester to ensure all requirements have been met.

Typically Offered: Spring.

Prerequisite: MUS 211.

MUS 213. Class Piano. 1 Credit.

Keyboard instruction for online and face-to-face students working toward satisfaction of the keyboard proficiency requirement. Student must continue enrollment until completion of the proficiency. May be repeated for credit.

Typically Offered: Fall, Spring.

Repeatable: Up to 6 Credits.

MUS 220. Classical Composition. 2 Credits.

Elaboration of weekly projects using classical compositional techniques to improve fluency of ideas and expand skills in writing both melody and harmony. The course includes study and enhancement of transformational techniques. Acquired skills will be applied in the final composition project. This course may not be audited.

Typically Offered: Fall.

Prerequisite: MUS 109.

Repeatable: Up to 10 Credits.

MUS 221. Woodwind Methods. 1 Credit.

An introduction to basic techniques for performance and instruction of woodwind instruments, selection and care of instruments and review of instructional materials. An emphasis is placed on pedagogical experiences.

Typically Offered: Spring, even years.

MUS 222. Brass Methods. 1 Credit.

An introduction to basic techniques for performance and instruction of brass instruments, selection and care of instruments and review of instructional materials. An emphasis is placed on pedagogical experiences.

Typically Offered: Fall, even years.

MUS 223. Percussion Methods. 1 Credit.

An introduction to basic techniques for performance and instruction of percussion instruments, selection and care of instruments and review of instructional materials. An emphasis is placed on pedagogical experiences.

Typically Offered: Fall, odd years.

MUS 224. Guitar Methods. 1 Credit.

Basic techniques for performance and instruction of guitar and other fretted string instruments. Selection and care of instruments and review of instructional materials. An emphasis is placed on pedagogical experiences.

Typically Offered: Spring, odd years.

MUS 225. String Methods. 1 Credit.

An introduction to basic techniques for performance and instruction of fretted and orchestral string instruments, selection and care of instruments, and review of instructional materials. An emphasis is placed on pedagogical experiences.

Typically Offered: Fall, even years.

MUS 231. Diction for Singers I. 1 Credit.

A detailed study of the pronunciation and articulation of sung English and German using the International Phonetic Alphabet (IPA) as a tool for identifying and transcribing individual sounds.

Typically Offered: Fall, odd years.

Prerequisite: MUS 152 or MUS 153.

MUS 232. Diction for Singers II. 1 Credit.

A detailed study of the pronunciation and articulation of sung French and Italian using the International Phonetic Alphabet (IPA) as a tool for identifying and transcribing individual sounds.

Typically Offered: Spring, even years.

Prerequisite: MUS 231.

MUS 249. Introduction to Music Education. 2 Credits.

An introduction to the music education profession. This course examines the teaching profession, including the history, philosophies and social impacts of and current trends in music education. The course requires a 40 hour field experience in an elementary or secondary classroom.

Typically Offered: Fall.

MUS 250. Applied Piano. 2 Credits.

The second level of applied study, open to music majors and minors, includes a weekly hour of private instruction. The average student will complete at least two semesters of 200-level music lessons before attempting the sophomore proficiency exam and passing to the next level. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Prerequisite: Two semesters of MUS 150.

Repeatable: Up to 8 Credits.

MUS 253. Applied Voice. 2 Credits.

The second level of applied study, open to music majors and minors, includes a weekly hour of private instruction. The average student will complete at least two semesters of 200-level music lessons before attempting the sophomore proficiency exam and passing to the next level. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Prerequisite: Two semesters of MUS 153.

Repeatable: Up to 8 Credits.

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MUS 254. Applied Guitar. 2 Credits.

The second level of applied study, open to music majors and minors, includes a weekly hour of private instruction. The average student will complete at least two semesters of 200-level music lessons before attempting the sophomore proficiency exam and passing to the next level. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Prerequisite: Two semesters of MUS 154.

Repeatable: Up to 8 Credits.

MUS 255. Applied Strings. 2 Credits.

Applied music in orchestral strings: violin, viola, cello, or bass. The second level of applied study, open to music majors and minors, includes a weekly hour of private instruction. The average student will complete at least two semesters of 200-level music lessons before attempting the sophomore proficiency exam and passing to the next level. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Prerequisite: Two semesters of MUS 155.

Repeatable: Up to 8 Credits.

MUS 259. Applied Percussion. 2 Credits.

The second level of applied study, open to music majors and minors, includes a weekly hour of private instruction. The average student will complete at least two semesters of 200-level music lessons before attempting the proficiency exam and passing to the next level. Prerequisite: two semesters (2-4 credits) of 100-level applied music, proficiency examination, and permission of the department. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Repeatable: Up to 8 Credits.

MUS 260. Applied Brass. 2 Credits.

Applied music in brass instruments: trumpet, horn, trombone, euphonium, or tuba. The second level of applied study, open to music majors and minors, includes a weekly hour of private instruction. The average student will complete at least two semesters of 200-level music lessons before attempting the sophomore proficiency exam and passing to the next level. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Prerequisite: Two semesters of MUS 160.

Repeatable: Up to 8 Credits.

MUS 265. Applied Woodwinds. 2 Credits.

The second level of applied study, open to music majors and minors, includes a weekly hour of private instruction. The average student will complete at least two semesters of 200-level music lessons before attempting the sophomore proficiency exam and passing to the next level. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Prerequisite: Two semesters of MUS 165.

Repeatable: Up to 8 Credits.

MUS 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MUS 301. Scoring and Arranging. 2 Credits.

A study of the technique of scoring and arranging for instrumental and vocal ensembles in the public school. Attention is given to arranging and composing for ensembles with limited instrumentation. Students will complete several scoring assignments with hand manuscript, the latest computer scoring systems, and programmable synthesizer. Prerequisite: Successful completion of MUS 201.

Typically Offered: Spring.

Prerequisite: MUS 201.

MUS 302. Advanced Scoring and Arranging. 2 Credits.

An advanced study of scoring and arranging for band, jazz band, and vocal ensemble. Special attention is given to contemporary styles and the development of a personal compositional style.

Typically Offered: On sufficient demand.

Prerequisite: MUS 301.

MUS 305. Advanced Conducting. 2 Credits.

Advanced conducting techniques, score preparation, rehearsal techniques, and interpretation of choral and instrumental literature in various historical styles.

Typically Offered: Spring.

Prerequisite: MUS 205.

MUS 307. Recording and Mixing Techniques. 3 Credits.

Advanced multi-track recording, editing, mixing, and mastering techniques are explored using both analog and digital equipment. Students will learn conventional/creative miking and signal processing techniques. Additionally, students will use the techniques learned in this course to record live events.

Typically Offered: Fall, odd years.

Prerequisite: MUS 209.

Repeatable: Up to 6 Credits.

MUS 308. Modern Audio Recording II. 3 Credits.

This class further explores the concepts introduced in MUS 209. Topics include recording, editing, and mixing of creative work. Computer-based recording equipment is used to demonstrate modern recording theory and practice. Students will further explore the use of virtual instruments, MIDI sequencing and loop-based recording. In addition, students will mentor beginning students in recording live events. Students are expected to produce at a higher level than in MUS 209.

Typically Offered: Spring.

Prerequisite: MUS 210.

Repeatable: Up to 9 Credits.

MUS 309. The Business of Music. 3 Credits.

This class will explore various aspects of the music business such as copyright laws, digital media, arts marketing and management, distribution, song writing and publishing, business affairs, music in broadcasting and film, and career planning and development.

Typically Offered: Fall.

MUS 312. Electronic Music Production. 3 Credits.

The use of electronic instruments, controllers and virtual instruments are explored within the construct of modern digital audio workstations. Students will create original compositions using MIDI sequencing, looping, sampling and advanced MIDI techniques.

Typically Offered: Spring, odd years.

Prerequisite: MUS 120 and MUS 209.

Repeatable: Up to 6 Credits.

MUS 320. Popular Composition. 2 Credits.

Elaboration of weekly projects using popular compositional techniques to improve fluency of ideas and expand skills in writing both melody and harmony. The course includes study and enhancement of transformational techniques and various compositional styles. Acquired skills will be applied in the required final composition project. May be repeated for credit. This course may not be audited.

Typically Offered: Spring.

Prerequisite: MUS 109.

Repeatable: Up to 10 Credits.

MUS 325. Vocal Methods. 1 Credit.

An introduction to basic knowledge of correct vocal production techniques, vocal literature for students ages 13-23, and techniques for classification and instruction of changing and changed voices. An emphasis is placed on pedagogical experiences.

Typically Offered: Spring, odd years.

Prerequisite: MUS 152 or MUS 153.

MUS 327. Marching Band Methods. 1 Credit.

An introduction to the fundamental principles of marching and athletic bands. Topics will include philosophy of marching and athletic bands; marching fundamentals; the study of drill, movement, formations, and shows; and rehearsal techniques. An emphasis is placed on pedagogical experiences.

Typically Offered: Fall, even years.

MUS 331. Music History & Literature I. 3 Credits.

A survey of the history and literature of Western music from the ancient Greeks through the Baroque period. The course stresses the development of musical styles, forms, and media through the study of representative compositions and composers.

Typically Offered: Fall.

Prerequisite: ENGL 120 or ENGL 125.

MUS 332. Music History & Literature II. 3 Credits.

A survey of the history and literature from Classical period to the present. The course stresses the development of musical styles, forms, and media through the study of representative compositions and composers. Music is studied within the context of its social-cultural epoch.

Typically Offered: Spring.

Prerequisite: MUS 331.

MUS 350. Applied Piano. 1-2 Credits.

The third level of applied study, open to music majors and minors, includes a weekly hour of private instruction for performance-concentration majors and a weekly half-hour for music education majors. The average student will complete at least two semesters of 300-level music lessons after successful completion of the sophomore proficiency examination. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Prerequisite: Two semesters of MUS 250.

Repeatable: Up to 8 Credits.

MUS 353. Applied Voice. 1-2 Credits.

The third level of applied study, open to music majors and minors, includes a weekly hour of private instruction for performance-concentration majors and a weekly half-hour for music education majors. The average student will complete at least two semesters of 300-level music lessons after successful completion of the sophomore proficiency examination. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Prerequisite: Two semesters of MUS 253.

Repeatable: Up to 8 Credits.

MUS 354. Applied Guitar. 1-2 Credits.

The third level of applied study, open to music majors and minors, includes a weekly hour of private instruction for performance-concentration majors and a weekly half-hour for music education majors. The average student will complete at least two semesters of 300-level music lessons after successful completion of the sophomore proficiency examination. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Prerequisite: Two semesters of MUS 254.

Repeatable: Up to 8 Credits.

MUS 355. Applied Strings. 2 Credits.

The third level of applied study, open to music majors and minors, includes a weekly hour of private instruction. The average student will complete at least two semesters of 300-level music lessons after successful completion of the sophomore proficiency examination. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Prerequisite: Two semesters of MUS 255.

Repeatable: Up to 8 Credits.

MUS 359. Applied Percussion. 1-2 Credits.

The third level of applied study, open to music majors and minors, includes a weekly hour of private instruction for performance-concentration majors and a weekly half-hour for music education majors. The average student will complete at least two semesters of 300-level music lessons after successful completion of the sophomore proficiency examination. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Repeatable: Up to 8 Credits.

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MUS 360. Applied Brass. 1-2 Credits.

The third level of applied study, open to music majors and minors, includes a weekly hour of private instruction for performance-concentration majors and a weekly half-hour for music education majors. The average student study will complete at least two semesters of 300-level music lessons after successful completion of before attempting the sophomore proficiency examination. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Prerequisite: Two semesters of MUS 260.

Repeatable: Up to 8 Credits.

MUS 365. Applied Woodwinds. 1-2 Credits.

The third level of applied study, open to music majors and minors, includes a weekly hour of private instruction for performance-concentration majors and a weekly half-hour for music education majors. The average student study will complete at least two semesters of 300-level music lessons after successful completion of before attempting the sophomore proficiency examination. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Prerequisite: Two semesters of MUS 265.

Repeatable: Up to 8 Credits.

MUS 378. Applied Pedagogy. 3 Credits.

A foundational course for teaching an applied instrument (including piano) through private lessons. The class focuses on teaching techniques and evaluation of materials relevant to applied instruction. Business and professional issues facing the independent studio teacher are covered as well as planning a well-rounded studio curriculum, including music theory, music history, chamber music, improvisation, summer camps, and uses for technology.

Typically Offered: Fall.

MUS 379. Piano Pedagogy. 3 Credits.

A course designed to provide an essential foundation for teaching piano. The class focuses on teaching techniques, evaluations of recent piano method books, piano repertoire, piano technique, and the skills of practicing, memorizing, and performing. An integral part of the class is observation of instruction and student teaching of private and/or group lessons under faculty supervision.

Typically Offered: Spring.

MUS 385. Creative Performance. 1 Credit.

A course to prepare the student for the junior recital. While this course is aimed for those preparing a solo recital it is beneficial for anyone aiming for a career in the field of music. Topics include repertoire selection, advertising, marketing, web design, public relations, etc. with the goal of learning how to create and market one's image as well as how to meet the demands of the 21st century performer and educator.

Typically Offered: Fall.

MUS 388. Progressive Music Education I. 3 Credits.

This course will provide students methods for music education settings outside the traditional general, band, choir, and string programs.

Typically Offered: Fall, odd years.

Prerequisite: MUS 249 .

Prerequisite or Corequisite: MUS 143.

MUS 390. Music in the Elementary School. 3 Credits.

A course designed to provide a basic knowledge of music teaching techniques in the elementary school. Topics include curriculum mapping, motivation and management strategies, music learning theories, assessment and the instruction of diverse learners. Models of instruction include Orff, Kodaly, Dalcroze, and Gordon.

Typically Offered: Fall, odd years.

Prerequisite: Admitted to Teacher Education.

MUS 397. VCSU CSA Internship. 1 Credit.

An opportunity for students to serve as interns in the VCSU Community School of the Arts on either a teaching track or a conducting track. Student teachers are assigned students and have their teaching supervised and critiqued on a regular basis. Student conductors are given regular conducting and ensemble duties and are also supervised and critiqued regularly. This course may be repeated for credit. Approval of the Director of the Community School of the Arts or the appropriate ensemble director is required.

Typically Offered: Fall, Spring.

Repeatable: Up to 2 Credits.

MUS 398. Music Business Practicum. 3 Credits.

An opportunity for the music industry student to gain a real-life experience in a local music business. Students research their particular business placement and spend time working in the environment under the guidance of the proprietor and the university faculty.

Typically Offered: Fall, Spring.

Grading: S/U only.

MUS 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MUS 403. Choral Methods and Literature. 3 Credits.

An introduction to the methods, materials, models, and rehearsal techniques of the school choral music program. Includes a survey of choral literature, with studies in conducting techniques, score preparation, and interpretation of choral literature in various styles.

Typically Offered: Spring, odd years.

Prerequisite: MUS 205.

MUS 404. Instrumental Methods and Literature. 3 Credits.

An introduction to the methods, materials, models, and rehearsal techniques of the school instrumental music program. Includes a survey of instrumental literature, with studies in conducting techniques, score preparation, and interpretation of instrumental literature in various styles.

Typically Offered: Fall, even years.

Prerequisite: MUS 205.

MUS 435. Seminar in Musicology. 3 Credits.

A specialized study within music history. Topics may include intertextuality in music, race and gender studies within music, jazz history, Beethoven Symphonies, the development of opera, music since 1950, music between the world wars, etc.

Typically Offered: Fall, Spring, Summer.

Prerequisite: MUS 331.

Repeatable: Up to 15 Credits.

MUS 489. The 21st Century Music Classroom. 2 Credits.

Students will explore the issues and trends surrounding the 21st century music educator. Topics will include assessment using technology, student composition software, the use of new technologies to teach music to students with disabilities, virtual performance and recording, human response to music and applying musicianship in the 21st century.

Typically Offered: Fall, odd years.

Prerequisite: MUS 209 and MUS 390.

MUS 491. Music Recital Capstone. 1 Credit.

This 1 credit course is to be taken during the semester a student elects to present a recital as a VCSU capstone project. This course will be taken concurrently with 300-level Applied Music in the student's primary instrument or MUS 320, and with permission of the department chair.

Typically Offered: Fall, Spring.

MUS 492. Music Academic Capstone. 1-3 Credits.

An original academic project in Music that demonstrates and synthesizes a student's combined training and education over their undergraduate career. The student will select an area of interest and will undertake work that results in a research, pedagogical, or creative product. The student will work under the supervision of a faculty mentor. Students electing to complete a solo recital capstone should register for MUS 491.

Typically Offered: On sufficient demand.

MUS 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MUS 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

MUS 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Department of Science

Rhoades Science Center 203

Department Chair: Nicholas Galt, Ph.D.

Administrative Assistant: Kelly Spanier

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<https://www.vcsu.edu/departments/science/>

The Science Department seeks to encourage and develop the ability of students interested in pursuing a career in the pure and applied sciences. We provide students with academic counseling, courses, programs and research experiences that will prepare them for their future employment or enable them to enter their professional or graduate school of choice. The Science Department is well rounded in the sciences with majors in Biology, Chemistry, Health Science, Medical Laboratory Science, Environmental Science, and Fisheries and Wildlife Sciences. In addition we take seriously the training of our future teachers with majors in Biology Education and Chemistry Education.

Learning Outcomes

On completion of a major in the Science Department our students should:

1. Demonstrate a fundamental knowledge of the major concepts in the science disciplines.
2. Exhibit critical thinking skills by applying the scientific method to solve problems.
3. Exhibit the ability to read and communicate in a scientific style.
4. Understand the importance of science to themselves and society.
5. Analyze the consequences of activities on themselves and their environment.

Abshire, Michelle (2021) Assistant Professor; B.S., Ph.D. Oklahoma State University

Anderson, Bob (2005) Professor; B.S., Ph.D. South Dakota State University

DeLorme, Andre (1996) Professor; B.A. Valley City State University, M.A. Bemidji State University, Ph.D. University of Minnesota

DeMuth, David (2012) Professor; B.S. University of Louisville, M.S. University of Louisville, Ph.D. University of Minnesota

Galt, Nicholas (2016) Associate Professor; B.S. North Dakota State University, Ph.D. University of Alabama

Montgomery, Trista (2022) Assistant Professor; B.A., B.S., M.S. Bemidji State University

Sundstrom, Teather (2012) Professor; B.S. University of North Dakota, Ph.D. University of Connecticut

van Gijssel, Hilde (2002) Professor; M.Ed. Valley City State University, M.S., Ph.D. Leiden University (the Netherlands)

Williams, Casey (2011) Associate Professor; B.S. Northwestern State University, M.S., Ph.D. Texas State University

Majors

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Minors

- Biology (p. 355)
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- Physics (p. 361)

Certificates

- Allied Health (p. 364)
- Healthcare Aide (p. 367)

AH 101. Nursing Assistant Training. 2 Credits.

This course prepares students for certification as a certified nursing assistant (CNA). Nursing Assistant Training provides classroom instruction and clinical practice to those preparing for employment as a certified nursing assistant in a skilled nursing facility, acute care, or home health care.

Typically Offered: Fall, Spring, Summer.

AH 102. Cardiographic Technician Training. 2 Credits.

This course prepares students for certification as a certified cardiographic technician (CCT). Topics include: heart anatomy, normal heart physiology and electrophysiology, introduction to ECG, reading and analyzing ECG strips, introduction to ECG rhythm analysis, identification of dysrhythmias, performing ambulatory monitoring, and stress testing.

Typically Offered: Fall, Spring, Summer.

BIOL 111. Concepts of Biology. 4 Credits.

An introductory level non-majors transferable class designed to meet the requirements of a lab science. This class is an introduction to the major concepts of modern biology through lecture and laboratory work on the structure, function, diversity, and interrelationships of living organisms, with emphasis on areas of human concern.

Typically Offered: Fall, Spring.

BIOL 121. Introduction to Fisheries and Wildlife Sciences. 4 Credits.

An introduction to the basic principles that are integral to understanding fisheries and wildlife sciences. The course covers the history of management and legislation, general concepts of management, general field and lab methods, and wildlife and fisheries careers.

Typically Offered: Fall.

BIOL 122. Fisheries and Wildlife Techniques. 4 Credits.

A study of the field and laboratory techniques necessary for management and research of fish and wildlife populations, habitat evaluation, and sex and aging techniques.

Typically Offered: Spring.

BIOL 150. General Biology I. 4 Credits.

A two-semester sequenced study of the fundamental concepts of biology through lecture and laboratory work. BIOL 150 is focused on cellular biology and physiology.

BIOL 151 focuses on concepts such as classification, evolution, and ecology. Recommended for students interested in science (required for certain majors and minors).

Typically Offered: Fall, Spring.

BIOL 151. General Biology II. 4 Credits.

A two-semester sequenced study of the fundamental concepts of biology through lecture and laboratory work. BIOL 150 is focused on cellular biology and physiology.

BIOL 151 focuses on concepts such as classification, evolution, and ecology. Recommended for students interested in science (required for certain majors and minors).

Typically Offered: Spring.

BIOL 170. General Zoology. 4 Credits.

A survey of the animal kingdom. Major invertebrate and vertebrate animal groups are studied with emphasis on structure, function, life history and evolutionary advancements of each.

Typically Offered: Spring.

BIOL 171. Medical Terminology. 3 Credits.

An introduction into medical terminology. Topics includes prefixes, suffixes and root words, their meaning, spelling and pronunciation and the use of term in medical documentation. Emphasis is on building a working medical vocabulary based on body systems and diseases.

Typically Offered: Fall.

BIOL 194. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

BIOL 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

BIOL 200. Field Biology. 2 Credits.

A survey of the animal and plant species in local natural habitats with concentrated work on a selected topic. Field trips for collection, identification, and preservation of specimens are required.

Typically Offered: On sufficient demand.

BIOL 220. Human Anatomy and Physiology I. 4 Credits.

A study of the structures and functions of the human body. The lab work includes physiological exercises, cat dissection with comparison to human structures and computer simulations. Topics include cells and tissues and the skin, bone, muscle, circulatory and the respiratory system.

Typically Offered: Fall.

Prerequisite: BIOL 111 or BIOL 150 or BIOL 151.

BIOL 221. Human Anatomy and Physiology II. 4 Credits.

The study of the structures and functions of the human body. The lab work includes physiological exercises, cat dissection with comparison to human structures and computer simulations. Topics include nerve system and the brain, senses and special senses and the endocrine, immune, reproductive, urinary and digestive systems. This course is designed to fulfill the anatomy and physiology requirements for psychology majors.

Typically Offered: Spring.

Prerequisite: BIOL 111 or BIOL 150 or BIOL 151.

BIOL 267. Environmental History. 3 Credits.

A survey of the interrelationship between the natural environment and the people who inhabit the land. Emphasis is given to the factors and events which have changed and challenged America's attitude toward the land and its natural resources. The course covers both grassroots movements and government policies that have resulted in the conservation and environmental movements in American history. Cross-referenced with HIST 267.

Typically Offered: Spring, odd years.

Same As: BIOL 267/HIST 267.

BIOL 294. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

BIOL 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

BIOL 310. Microbiology. 4 Credits.

An introduction to the morphology, physiology, taxonomy, and ecology of micro organisms. Lecture and laboratory work deal with the history, isolation, identification, and culture of microorganisms. The fields of epidemiology, bioethics, and environmental microbiology will be discussed.

Typically Offered: Spring.

Prerequisites: one Biology class and one Chemistry class.

BIOL 311. Botany. 4 Credits.

A general botany course covering plant evolutionary history, form, structure, and physiology. Lectures focus on plant diversity through time and a general knowledge of plant function. Labs emphasize cells, tissues, phyla, and physiology of plants.

Typically Offered: Spring.

Prerequisites: BIOL 150 and BIOL 151.

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BIOL 312. Botany. 4 Credits.

A plant taxonomy course focusing on classification of plants at the family level and identification at the species level. Lectures focus on learning traits of plant families with an emphasis on North Dakota plants and an occasional lesson on economically important plants. Labs focus on plant identification, using a dichotomous key, and a large plant collection.

Typically Offered: Fall.

Prerequisites: BIOL 150 and BIOL 151.

BIOL 315. Genetics. 4 Credits.

A study of the basis of heredity with emphasis on the structure and function of DNA and Mendelian genetics. Course work includes lecture and discussion on concepts in linkage, mutation, mechanisms of heredity, genetic mapping, molecular genetics, population genetics, current issues and research in genetics. Laboratory work includes experiments with *Drosophila* chromosomes and inheritance patterns.

Typically Offered: Spring.

Prerequisites: BIOL 150 and BIOL 151.

BIOL 330. North Dakota Flora. 3 Credits.

A systematic study of North Dakota summer flora including field work consisting of plant identification and ecology. Lectures and lab work cover taxonomy and classification, and the medicinal and economic value of plants.

Typically Offered: On sufficient demand.

BIOL 336. Range Management and Range Plants. 4 Credits.

Principles of range management which include plant identification, range evaluation, and range improvement. Lab with focus on identification, distribution, and forage value of important range plants.

Typically Offered: Fall.

BIOL 340. Research Methods. 4 Credits.

An overview of research techniques and methodologies used in biomedical research and health care. This course covers practices of qualitative and quantitative research design and analysis, measurement concepts in research and state and federal regulations using animals and humans in research. Fundamentals and specific applications of the most common data gathering and measurement techniques are addressed.

Typically Offered: Fall.

Prerequisite: Junior Standing or Senior Standing.

BIOL 343. Ornithology. 4 Credits.

A study of the identification, life history, physiology, migration, and ecology of birds. Course includes frequent field trips for practice in the recognition of species common to North Dakota.

Typically Offered: Spring.

Prerequisite: BIOL 151.

BIOL 347. Aquatic Entomology. 4 Credits.

A study of the diversity of aquatic insects and invertebrates focusing on their identification and importance in aquatic ecosystems. Course includes frequent field trips for collection of specimens.

Typically Offered: Fall.

Prerequisites: BIOL 150 and BIOL 151.

BIOL 350. Environmental Contaminants. 3 Credits.

An introduction to the major groups of environmental contaminants and their effects on ecosystems and human health. Students will learn about sources of contaminants, their persistence in the environment, and the pathways of contaminants into waterways, organisms, and the atmosphere. Efforts or methods to prevent or mitigate contamination will also be covered. Students will research and present case studies related to environmental contamination.

Typically Offered: Fall, odd years.

BIOL 355. Mammalogy. 4 Credits.

A study of the biology, classification, biogeography, ecology, and behavior of North American mammals. Labs cover mammal identification and life histories, trapping, and include multiple field trips.

Typically Offered: Fall.

Prerequisite: BIOL 151.

BIOL 360. Environmental Law and Regulations. 3 Credits.

An introduction to environmental laws and policies including their development and current status. State and Federal laws affecting fish and wildlife; their application, administration and the organizational structure of state and federal agencies will be covered.

Typically Offered: Spring.

BIOL 367. Ichthyology. 4 Credits.

A study of the biology, classification, biogeography, ecology, evolution, and behavior of fishes, with special emphasis to fishes found in the northern Great Plains. Labs cover identification and life histories of fishes and field trips.

Typically Offered: Fall.

Prerequisite: BIOL 151.

BIOL 375. Conservation Biology. 4 Credits.

An introduction to the study and conservation of biodiversity. Topics include historical and current trends in conservation of biological diversity, migratory corridors, endangered species, invasive species, conservation of genetic integrity, and island biogeography.

Typically Offered: Fall.

Prerequisites: BIOL 150 and BIOL 151.

BIOL 376. Yellowstone Ecology. 2 Credits.

A field based course on the ecology of the Greater Yellowstone Ecosystem illustrating its complexity. Topics include: impact of the reintroduction of the wolves, evidence of climate change, wildlife populations, current research, influence of stakeholders, park management, and other issues within the park and Greater Yellowstone Ecosystem. A field trip to Yellowstone National Park is part of the course.

Typically Offered: Fall.

Prerequisites: BIOL 150 and BIOL 151.

BIOL 380. Human Sexuality. 3 Credits.

A study of the role and meaning of human sexuality in relations to oneself as well as in all interrelationships with other people. Course work includes a study of anatomy and physiology of the reproductive system, human sexual response, process and role of identity, sexual value systems, contraception, and the importance of sexuality in preparation for family living. Cross-referenced with PSYC 380.

Typically Offered: Spring, Summer.

Same As: BIOL 380/PSYC 380.

BIOL 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

BIOL 395. Laboratory Preparation and Management. 1 Credit.

A practicum-like course that allows the student to directly assist the instructor in numerous aspects of laboratory instructional delivery. The course is designed to improve the competency of teaching laboratories. This course may be repeated up to three semester credit hours.

Typically Offered: Fall, Spring, Summer.

Repeatable: Up to 3 Credits.

BIOL 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

BIOL 410. Field Ecology. 4 Credits.

A study of plant and animal communities, their diversity, interactions and adaptation to the environment. The course includes extensive fieldwork, independent research, statistical analysis and scientific writing.

Typically Offered: Fall.

Prerequisites: BIOL 150 and BIOL 151.

BIOL 411. Wildlife Management. 4 Credits.

A study of advanced principles and applications of the management of terrestrial vertebrates and their population dynamics. Strategies for wildlife conservation, utilization, and enhancement are covered. Labs cover the collection and analysis of data, scientific writing, and consist of multiple field trips.

Typically Offered: Fall.

Prerequisites: BIOL 121 and BIOL 122.

BIOL 412. Fisheries Management. 4 Credits.

A study of advanced principles of managing fisheries resources with an emphasis on freshwater fishes and ecosystems. Includes field and laboratory techniques used in fisheries management and research.

Typically Offered: Spring.

Prerequisites: BIOL 121, BIOL 122, and BIOL 367.

BIOL 413. Restoration and Plant Ecology. 4 Credits.

This course covers both the fundamentals and advanced application of plant ecology to restoration ecology. Students will cover topics such as ecosystem processes, invasive species, population dynamics, rarity, communities, philosophical ecology, and climate change. The class focuses on students learning how to communicate complex ideas and facilitate a productive conversation around those ideas.

Typically Offered: Spring.

Prerequisites: BIOL 150 and BIOL 151.

BIOL 430. Human Dimensions in Fisheries and Wildlife. 3 Credits.

The objective of this course is for students to build an understanding and appreciation for the role of human dimensions in fisheries and wildlife management. Topics covered include public relations and communication for natural resources managers, land ethic, agency administration, natural resource law enforcement, and survey preparation.

Typically Offered: Spring.

Prerequisites: BIOL 121 and BIOL 122.

BIOL 440. Biostatistics and Experimental Design. 4 Credits.

An introduction to analysis and interpretation of biological data. Topics include statistical assessment of field and laboratory research, experimental design, and application of computer software.

Typically Offered: Spring.

Prerequisite: MATH 103 or MATH 104 or MATH 146 or MATH 165.

BIOL 441. Cell Biology. 4 Credits.

A study of processes common to life at the cellular level including biochemical and structural organization, membrane function, motility, signal transduction, growth, division, and genetic regulation of the cellular function. Laboratory work utilizes techniques to study life at the cellular level including chemical composition and characterization, enzyme kinetics, metabolism, and microscopy.

Typically Offered: Spring, even years.

Prerequisites: one Biology class and one Chemistry class.

BIOL 455. Introduction to GIS. 4 Credits.

An application of the principles of geographic information systems and integrally related mapping to solve problems related to natural resource management and other environmental issues. Comprehensive lab assignments are included to give students hands-on experience solving problems with current state-of-the-art software and GPS units, including data creation, data integration, mapping, and spatial analysis.

Typically Offered: Spring.

BIOL 470. Limnology. 4 Credits.

The study of biological, physical, and chemical features of freshwater ecosystems. The course includes field sampling, lab work and GIS mapping.

Typically Offered: Fall.

Prerequisite: BIOL 150, BIOL 151, and CHEM 121.

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BIOL 490. Secondary Science Methods and Techniques. 3 Credits.

A course designed to prepare prospective science teachers in the areas of curriculum planning, textbook selection, supplemental teaching aids, laboratory procedures, and the ordering of equipment and supplies. The course includes laboratory practicum experience.

Typically Offered: Fall.

Prerequisite: Admitted to Teacher Education.

BIOL 491. Integrated Science Capstone. 2 Credits.

A capstone course that requires students to apply previously-learned knowledge and skills to develop solutions to practical scientific issues. Students will be divided into small groups for plan development. Various majors are involved to allow for integrated course material.

Typically Offered: Fall, Spring.

Prerequisite: Senior Standing.

Same As: BIOL 491/CHEM 491.

BIOL 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Prerequisite: Junior Standing or Senior Standing.

Repeatable: Up to 12 Credits.

BIOL 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

BIOL 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CHEM 115. Introductory Chemistry. 4 Credits.

A study of measurement, ionic and covalent compounds, chemical calculations, states of matter, energy, solutions, and chemical bonding. The course includes laboratory and may serve as a preparatory class for students with weak or no background in chemistry.

Typically Offered: Fall.

CHEM 116. Introduction to Organic and Biochemistry. 4 Credits.

A study of alkanes, alkenes, alkynes, aromatics, alcohols, pheols, ethers, aldehydes/ketones, carboxylic acids and esters, amines and amides, carbohydrates, lipids, amino acids, proteins, and nucleic acids. The course includes laboratory.

Typically Offered: Spring.

Prerequisite: CHEM 115 or CHEM 121.

CHEM 121. General Chemistry I. 5 Credits.

The first semester of a two semester sequence covering the study of matter, measurements, atoms, ions, molecules, reactions, chemical calculations, thermochemistry, bonding, molecular geometry, periodicity, gases, intermolecular forces, liquids, solids, kinetics, equilibria, acids and bases, solution chemistry, precipitation, thermodynamics, and electrochemistry. Topics covered are illustrated with descriptive and historical perspectives, as well as applications of chemistry in society. The course includes laboratory.

Typically Offered: Fall, Spring.

Prerequisite: ASC 93, MATH 103, or ACT Math score of 20 or higher.

CHEM 122. General Chemistry II. 5 Credits.

The second semester of a two semester sequence covering the study of matter, measurements, atoms, ions, molecules, reactions, chemical calculations, thermochemistry, bonding, molecular geometry, periodicity, gases, intermolecular forces, liquids, solids, kinetics, equilibria, acids and bases, solution chemistry, precipitation, thermodynamics, and electrochemistry. Topics covered are illustrated with descriptive and historical perspectives, as well as applications of chemistry in society. The course includes laboratory.

Typically Offered: Fall, Spring.

Prerequisite: CHEM 121.

CHEM 194. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CHEM 294. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CHEM 330. Quantitative Analysis I. 4 Credits.

The first semester of a two semester sequence covering an investigation of the statistical treatment of data and error analysis, gravimetric analyses, solution chemistry and solubility equilibria, volumetric analyses, acid-base neutralization, complexometric and redox methods. Students are introduced to the theory, operation and applications of some modern instrumental techniques for chemical analysis. This course includes laboratory.

Typically Offered: Fall, odd years.

Prerequisite: CHEM 122.

CHEM 331. Quantitative Analysis II. 4 Credits.

The second semester of a two semester sequence covering an investigation of the statistical treatment of data and error analysis, gravimetric analyses, solution chemistry and solubility equilibria, volumetric analyses, acid-base neutralization, complexometric and redox methods. Students are introduced to the theory, operation and applications of some modern instrumental techniques for chemical analysis. This course includes laboratory.

Typically Offered: On sufficient demand.

Prerequisite: CHEM 330.

CHEM 341. Organic Chemistry I. 5 Credits.

The first semester of a two semester sequence in organic chemistry for students in sciences and pre-professional curricula. Topics include structure and reactivity of carbon containing molecules, name reactions, carbon-carbon bond forming reactions, aromatic and heterocyclic chemistry, biomolecules and polymers, and multistep syntheses. This sequence of organic chemistry is designed for students desiring careers in chemistry, biology, health professions, science education, and related areas. This course includes laboratory.

Typically Offered: Fall, even years.

Prerequisite: CHEM 121.

CHEM 342. Organic Chemistry II. 5 Credits.

The second semester of a two semester sequence in organic chemistry for students in science and pre-professional curricula. Topics include structure and reactivity of carbon containing molecules, name reactions, carbon-carbon bond forming reactions, aromatic and heterocyclic chemistry, biomolecules and polymers, and multistep syntheses. This sequence of organic chemistry is designed for students desiring careers in chemistry, biology, health professions, science education, and related areas. This course includes laboratory.

Typically Offered: Spring, odd years.

Prerequisite: CHEM 341.

CHEM 360. Elements of Biochemistry. 4 Credits.

A study of protein structure, function conformation, and dynamics; enzymes, DNA-RNA; structure and flow of genetic information; biological membranes; and metabolism. The course includes laboratory.

Typically Offered: Fall, odd years.

Prerequisite: CHEM 116 or CHEM 341.

CHEM 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Prerequisite: Junior Standing or Senior Standing.

Repeatable: Up to 12 Credits.

CHEM 395. Laboratory Preparation and Management. 1 Credit.

An opportunity to participate in a practicum-like course. The student directly assists the instructor in numerous aspects of laboratory instructional delivery. The course is designed to improve the competency of teaching laboratories by involving the students in preparation of laboratory materials, storeroom management, evaluation of laboratory experiences, chemical storage, waste disposal, and related safety topics. This course may be repeated for credit up to 3 semester credit hours.

Typically Offered: Fall, Spring.

Repeatable: Up to 3 Credits.

CHEM 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CHEM 411. Physical Chemistry I. 4 Credits.

A one semester course covering the study of the laws and theories of chemistry including statistical thermodynamics and quantum mechanics. Course materials are interpreted through the application of fundamental mathematical and physical principles. Statistical methods and concepts are introduced during the study of statistical mechanics. This course includes laboratory.

Typically Offered: Fall, even years.

Prerequisites: CHEM 122, MATH 165, and either PHYS 212 or PHYS 252.

CHEM 412. Physical Chemistry II. 4 Credits.

A one semester course covering the study of the laws and theories of chemistry including thermodynamics, phase equilibria, and kinetics. Course materials are interpreted through the application of fundamental mathematical and physical principles. Statistical methods and concepts are introduced during the study of the kinetic molecular theory of gases. This course includes laboratory.

Typically Offered: Spring, even years.

Prerequisites: CHEM 122, MATH 165, and either PHYS 212 or PHYS 252.

CHEM 425. Inorganic Chemistry. 4 Credits.

A study of major topics in inorganic chemistry. The structure of crystalline solids, molecular symmetry, acids and bases, oxidation and reduction, and the chemistry of d-metal complexes will be covered. Topics in atomic and molecular structure and bonding as applied to inorganic molecules will also be discussed. The course includes laboratory.

Typically Offered: Spring, odd years.

Prerequisite: CHEM 122.

CHEM 490. Secondary Science Methods and Techniques. 3 Credits.

A course designed to prepare prospective chemistry teachers in the areas of curriculum planning, textbook selection, supplemental teaching aids, laboratory procedures, and the ordering of equipment and supplies. The course includes laboratory practicum experience.

Typically Offered: Fall.

Prerequisite: Admitted to Teacher Education.

CHEM 491. Integrated Science Capstone. 2 Credits.

A capstone course that requires students to apply previously-learned knowledge and skills to develop solutions to practical scientific issues. Students will be divided into small groups for plan development. Various majors are involved to allow for integrated course material.

Typically Offered: Fall, Spring.

Prerequisite: Senior Standing.

Same As: BIOL 491/CHEM 491.

CHEM 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Prerequisite: Junior Standing or Senior Standing.

Repeatable: Up to 12 Credits.

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CHEM 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

GEOL 100. Introduction to Earth Science. 4 Credits.

A broad, non-quantitative survey of topics in geology, oceanography, meteorology, and astronomy. This course is a prerequisite for many upper division courses and includes laboratory work. Cross-referenced with GEOG 100.

Typically Offered: Fall, Spring, Summer Odd Years.

Same As: GEOG 100/GEOL 100.

GEOL 106. The Earth Through Time. 4 Credits.

A lecture and laboratory course which provides an introduction to the earth through time. Topics include the origin and history of the planet and the history and evolution of animal and plant life. The laboratory work involves studying fossils and interpreting geologic maps and stratigraphic columns. Cross-referenced with GEOG 106.

Typically Offered: Spring, even years.

Prerequisite: GEOL 100/GEOG 100.

Same As: GEOG 106/GEOL 106.

GEOL 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

GEOL 300. Environmental Earth Science. 4 Credits.

Environmentally focused course which studies and investigates important earth science problems affecting North Dakota, the United States, and the world. Working as a class, in groups, or as individuals, students do labs, field work, and research resulting in presentations about earth science topics. Cross-referenced with GEOG 300.

Typically Offered: Spring, odd years.

Prerequisite: Any General Education Science Course.

Same As: GEOG 300/GEOL 300.

GEOL 315. Soil Science and Survey. 4 Credits.

A systematic investigation of the morphology, genesis, classification, and field determination of major soil types. Lab work and field analysis are included.

Typically Offered: Fall.

GEOL 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

GEOL 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

GEOL 416. Hydrology. 4 Credits.

A study of the properties, occurrence, and movement of water on Earth in relation to the hydrologic cycle. This course covers groundwater, surface water, atmospheric water, and soil water processes. Lab and field work are included.

Typically Offered: Fall, even years.

Prerequisite: GEOL 100/GEOG 100.

GEOL 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

PHYS 100. Concepts of Physics. 4 Credits.

An introduction to the concepts of physics as they apply to everyday life. Ideas are presented with a conceptual rather than mathematical approach.

Typically Offered: Fall, Spring.

PHYS 110. Introductory Astronomy. 4 Credits.

An introductory study of the universe including the solar system, stars, stellar evolution, galaxies, black holes, big bang cosmology, and the expanding universe. Laboratory experiments, visual observations, and telescopic observations are included to reinforce the concepts covered.

Typically Offered: Fall.

PHYS 161. Introductory College Physics I. 4 Credits.

A general physics sequence for those who do not plan to take advanced courses in science. Topics include Newtonian mechanics and gravitation, work and energy, solids and fluids, vibrations and waves, electricity and magnetism, lights and optics. PHYS 161 has no mathematical prerequisite but knowledge of elementary algebra is recommended.

Typically Offered: On sufficient demand.

Same As: PHYS 161/PHYS 211.

PHYS 162. Introductory College Physics II. 4 Credits.

A general physics sequence for those who do not plan to take advanced courses in science. Topics include Newtonian mechanics and gravitation, work and energy, solids and fluids, vibrations and waves, electricity and magnetism, lights and optics.

Typically Offered: On sufficient demand.

Prerequisite: PHYS 161.

Same As: PHYS 162/PHYS 212.

PHYS 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

PHYS 211. College Physics I. 4 Credits.

This non-calculus general physics course is recommended for pre-medical or pre-professional students. Topics: Newtonian mechanics and gravitation, work and energy, solids and fluids, heat and thermodynamics. The laboratory is a component of this course. A student may not receive credit for PHYS 211 and PHYS 212, and also PHYS 161 and PHYS 162.

Typically Offered: Fall.

Prerequisite: a General Education Math class.

Same As: PHYS 161/PHYS 211.

PHYS 212. College Physics II. 4 Credits.

The non-calculus general physics course sequence recommended for pre-medical or preprofessional students. Topics: vibrations and waves, electricity and magnetism, light and optics, and an introduction to modern physics. The laboratory is a component of this course. A student may not receive credit for PHYS 211 and PHYS 212, and also PHYS 161 and PHYS 162.

Typically Offered: Spring.

Prerequisites: PHYS 211.

Same As: PHYS 162/PHYS 212.

PHYS 251. University Physics I. 5 Credits.

A general physics sequence for students majoring in chemistry, physics, or engineering. Topics include Newtonian mechanics and gravitation, work and energy, solids and fluids, heat and thermodynamics, vibrations and waves, electricity and magnetism, light and optics, and an introduction to modern physics. This course includes laboratory.

Typically Offered: Fall, odd years.

Prerequisite: MATH 165.

PHYS 252. University Physics II. 5 Credits.

A general physics sequence for students majoring in chemistry, physics, or engineering. Topics include Newtonian mechanics and gravitation, work and energy, solids and fluids, heat and thermodynamics, vibrations and waves, electricity and magnetism, light and optics, and an introduction to modern physics. This course includes laboratory.

Typically Offered: Spring, even years.

Prerequisites: MATH 166 and PHYS 251.

PHYS 275. Planetarium Science. 0-1 Credits.

Students will learn about the operation of the planetarium and observational astronomy by finding stars and constellations in the night sky, through the creation of an original presentation written by students in the fall semester and produced by students in the spring semester. Students will learn current planetarium shows for public presentation as well as guide tours of the Medicine Wheel. Creative writing, public speaking, and computer presentation production are skills used in this course. This course may be repeated for credit up to 3 semester credit hours.

Typically Offered: Fall, Spring.

Repeatable: Up to 3 Credits.

PHYS 294. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

PHYS 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

PHYS 376. Embedded Systems. 3 Credits.

A study of micro-controller hardware and software with an emphasis on interfacing the micro-controller with external electronic devices such as transceivers, sensors and actuators for communications and control within an embedded system.

Typically Offered: Spring.

Same As: PHYS 376/SE 376.

PHYS 395. Laboratory Preparation and Management. 1 Credit.

A practicum-like course giving students the opportunity to directly assist the instructor in numerous aspects of laboratory instruction delivery. The course is designed to improve the competency of teaching laboratory by storeroom management, laboratory preparation and operation, evaluation of laboratory, equipment maintenance and repair, safety, classroom demonstrations and related topics. This course may be repeated for credit up to three semester credit hours.

Typically Offered: Fall, Spring.

Repeatable: Up to 3 Credits.

PHYS 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

PHYS 490. Secondary Science Methods and Techniques. 3 Credits.

A course designed to prepare prospective science teachers in the areas of curriculum planning, textbook selection, supplemental teaching aids, laboratory procedures, and in the ordering of equipment and supplies. The course includes laboratory practicum experience.

Typically Offered: Fall.

Prerequisite: Admitted to Teacher Education.

PHYS 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Prerequisite: Junior Standing or Senior Standing.

Repeatable: Up to 12 Credits.

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PHYS 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

Department of Social Science

McFarland Hall 323C

Department Chair: Emily Fenster, Ph.D.

(800) 532-8641 extension 37313

(701) 845-7313

<https://www.vcsu.edu/departments/social-science/>

The focus of study in the Department of Social Science is humanity in its broadest dimensions, specifically those highly developed human capabilities of communication and social organization.

The general goals of the department are:

1. To help all students achieve a better understanding of the common cultural heritage, beliefs, and values through study of the humanities;
2. To promote an understanding of social organization and interactions through the study of history, the social sciences, and psychology; and
3. To promote global awareness and appreciation of diverse cultures through the study of world cultures, history and geography and to provide opportunities to study in other countries.

Baughman, Kiersten (2019) Associate Professor; B.S. Moorhead State University, M.S., Ph.D. University of Oklahoma

Clauson, Jacob (2021) Assistant Professor; B.A., B.S. Minnesota State University-Moorhead, M.S. University of Oregon

Dutton, Anthony (2009) Professor; B.S.Ed. Valley City State University, M.A. University of North Dakota, Ph.D. North Dakota State University

Fenster, Emily (2013) Associate Professor; B.A. University of North Dakota. M.G.S., Ph.D. Miami University

Jorgensen, Alexander (2020) Assistant Professor; B.A. Concordia College; M.A. University of Kansas; Ph.D. University of Kansas

King, Steven (2005) Professor; B.A. Oak Hills Christian School, M.A. St. Cloud State University, D.A. University of North Dakota

Klingenberg, Erin D. (1990) Assistant Professor; B.A. Jamestown College, M.Ed. University of North Dakota, M.Ed., Ph.D. North Dakota State University; Licensed Professional Clinical Counselor, National Certified Counselor

Woehl, Kathryn (2010) Professor; B.S. North Dakota State University, M.S. St. Cloud State University, M.A. Ph.D. University of North Dakota

Majors

- History (B.A., B.S.) (p. 248)
- History Education (B.S. in Education) (p. 252)
- Human Services – Composite (B.A., B.S.)
 - Child and Family Studies Concentration (p. 256)
 - Criminal Justice Concentration (p. 260)
 - General Human Services Concentration (p. 264)
 - Gerontology Concentration (p. 268)
- Psychology (B.A., B.S.) (p. 305)
- Social Science – Composite (B.A., B.S.) (p. 309)
- Social Science Education – Composite (B.S. in Education) (p. 313)

Minors

- History (p. 358)
- Political Science (p. 361)
- Psychology (p. 362)
- Sociology (p. 362)

CJ 252. Introduction to the Social and Criminal Justice System. 3 Credits.

An overview of the criminal justice process, including law-making, law enforcement, criminal proceedings, and societal responses.

Typically Offered: Fall.

CJ 390. Criminology and Delinquency. 3 Credits.

A study of the causation, detection, prevention, and correction of criminal and delinquent behavior. Cross-referenced with SOC 390.

Typically Offered: Spring, odd years.

Prerequisite: SOC 110.

Same As: CJ 390/SOC 390.

CJ 416. Corrections: Institutional and Community. 3 Credits.

Analysis of institutional and community based corrections. Emphasis on historical, contemporary, and developing trends and processes.

Typically Offered: Spring, even years.

Prerequisite: PSYC 111 or SOC 110.

GEOG 100. Introduction to Earth Science. 4 Credits.

A broad, non-quantitative survey of topics in geology, oceanography, meteorology, and astronomy. This course is a prerequisite for many upper division courses and includes laboratory work. Cross-referenced with GEOL 100.

Typically Offered: Fall, Spring.

Same As: GEOG 100/GEOL 100.

GEOG 106. The Earth Through Time. 4 Credits.

A lecture and laboratory course which provides an introduction to the earth through time. Topics include the origin and history of the planet and the history and evolution of animal and plant life. The laboratory work involves studying fossils and interpreting geologic maps and stratigraphic columns. Cross-referenced with GEOL 106.

Typically Offered: Spring.

Prerequisite: GEOL 100/GEOG 100.

Same As: GEOG 106/GEOL 106.

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GEOG 111. Survey of Geography. 3 Credits.

A survey of human, regional, political, physical, religious, and social geography of the world. This course will look at the ever changing relationship between human activity and its impact on the geographical landscape. The course will also look at spatial interaction and mapping, the use of natural resources, and socioeconomic development.

Typically Offered: Fall, Spring, Summer.

GEOG 151. Human Geography. 3 Credits.

A non-ethnocentric examination of the geography of human lifestyles and activities and their roles in human-environment interaction.

Typically Offered: Spring.

GEOG 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

GEOG 300. Environmental Earth Science. 4 Credits.

Environmentally focused course which studies and investigates important earth science problems affecting North Dakota, the United States, and the world. Working as a class, in groups, or as individuals, students do labs, field work, and research resulting in presentations about earth science topics. Cross-referenced with GEOL 300.

Typically Offered: Spring, odd years.

Prerequisite: GEOL 100/GEOG 100.

Same As: GEOG 300/GEOL 300.

GEOG 320. Applied Geography Workshop. 1 Credit.

This course will study applied geographical issues of the world. This course is designed to present field related topics that are new or changing in the discipline of geography.

Typically Offered: On sufficient demand.

GEOG 325. History and Geography of England and Britain. 3 Credits.

A study of the geography and the political, economic, and social history of England and its empire from antiquity to the present. Cross-referenced with HIST 325.

Typically Offered: Spring, odd years.

Same As: GEOG 325/HIST 325.

GEOG 362. Geography of North America. 3 Credits.

A spatial approach to the development of the United States and Canada which stresses changing cultural landscapes and assessing impacts of planning for resource utilization.

Typically Offered: Fall, odd years.

GEOG 391. Global Seminar. 1-3 Credits.

Interdisciplinary examination of a specific language, culture, and its current local/global issues. In-depth experiences in the country of student's choice. Required before a study-abroad program travel. Cross-referenced with ENGL 391, HIST 391, and HUM 391.

Typically Offered: Spring.

Same As: ENGL, GEOG, HIST, HUM 391.

GEOG 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

GEOG 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

GEOG 460. The Atlantic World. 3 Credits.

This course is an interdisciplinary investigation of the political, economic, and social developments that shaped the region, from the age of empires to the decolonization of the twentieth century. Using a comparative approach, this course examines the Atlantic community constructed between Africa, Western Europe and the Americas, with particular attention to the interactions on matters of migration, market economies, ideology and cultural exchange. Cross-referenced with ECON 460 and HIST 460.

Typically Offered: Spring, odd years.

Same As: ECON 460/GEOG 460/HIST 460.

GEOG 492. Field Experience in Geography. 1-4 Credits.

A flexible requirement providing the opportunity for students to study a variety of environments in the field and to gain experience in outdoor living. A special project or internship may be substituted with department approval.

Typically Offered: Fall, even years.

Repeatable: Up to 4 Credits.

GEOG 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

GEOG 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

HIST 103. United States to 1877. 3 Credits.

A survey of U.S. History from the pre-Columbian era through 1877. The course examines causes of European exploration and colonization, the American Revolution, and the Civil War. Topics include abolitionism, political, social, and economic development of the new nation, Manifest Destiny, and Reconstruction.

Typically Offered: Fall.

HIST 104. United States to Present. 3 Credits.

A survey of U.S. History from Reconstruction through the last decade. Attention is given to social, economic and political history as well as the role of minorities and women in the development of modern American society. Topics addressed include segregation, immigration, major political movements, U.S. foreign policy, and civil rights.

Typically Offered: Spring.

HIST 211. World Civilizations to 1500. 3 Credits.

A survey of civilization to 1500 including a focus upon the early Middle East, Egypt, Rome, and Europe with attention to Asia, Africa, and South America.

Typically Offered: Fall.

HIST 212. World Civilizations since 1500. 3 Credits.

A survey of civilization since 1500. Topics include the Reformation, Absolutism, the French Revolution, the Industrial Revolution, Colonialism, Nationalism, and 20th Century World History including that of Africa, Asia, and South America.

Typically Offered: Spring.

HIST 220. North Dakota History. 3 Credits.

A general study of North Dakota geography, government, and history from 1800 to the present. Special emphasis is placed on the diversity of native and immigrant peoples.

Typically Offered: Spring, odd years.

HIST 267. Environmental History. 3 Credits.

A survey of the interrelationship between the natural environment and the people who inhabit the land. Emphasis is given to the factors and events which have changed and challenged America's attitude toward the land and its natural resources. The course covers both grassroots movements and government policies that have resulted in the conservation and environmental movements in American history. Cross-referenced with BIOL 267.

Typically Offered: Spring, even years.

Same As: BIOL 267/HIST 267.

HIST 270. Native American Studies. 3 Credits.

A multicultural study of Native American cultural and historical development. Topics addressed include interactions with European and Anglo-American settlers and government, agency and the concept of the Middle Ground, U.S. federal Indian policy, cultural resurgence, and North Dakota Indian tribes. Cross-referenced with SOC 270.

Typically Offered: Fall, even years.

Same As: HIST 270/SOC 270.

HIST 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

HIST 300. Race, Ethnic, and Gender Relations. 3 Credits.

The social-historical study of racial, ethnic, and gender relations. Cross-referenced with SOC 300.

Typically Offered: Fall, odd years.

Prerequisite: SOC 110.

Same As: HIST 300/SOC 300.

HIST 320. History of American West. 3 Credits.

A study of the political, economic and social impact of the West upon the course of American history.

Typically Offered: Fall, odd years.

HIST 321. History of Ancient Greece and Rome. 3 Credits.

A study of the political, economic, and social history of the two ancient foundations of Western Civilization.

Typically Offered: Fall, odd years.

HIST 325. History and Geography of England and Britain. 3 Credits.

A study of the geography and the political, economic, and social history of England and its empire from antiquity to the present. Cross-referenced with GEOG 325.

Typically Offered: Spring, odd years.

Same As: GEOG 325/HIST 325.

HIST 330. History of the Civil War Era (1850-1877). 3 Credits.

A study of the political, economic, and social causes and consequences of the Civil War era upon U.S. History.

Typically Offered: Spring, even years.

HIST 375. U.S. Constitution: Federalism. 3 Credits.

A narrative and case study of the development of the U.S. Constitution including U.S. Supreme Court decisions related to the development of Federalism in fact and theory. Cross-referenced with POLS 375.

Typically Offered: Spring, even years.

Same As: HIST 375/POLS 375.

HIST 376. U.S. Constitution: Civil Liberties. 3 Credits.

A narrative and case study of the development of the U.S. Constitution including U.S. Supreme Court decisions related to the exercise of civil liberty in fact and theory.

Typically Offered: Fall.

Same As: HIST 376/POLS 376.

HIST 380. The American Presidency. 3 Credits.

This course provides students with a general assessment of the issues involving the modern American Presidency. Topics include the development and practice of presidential leadership, the evolution of the modern Presidency, the process of presidential selection, the structure of the Presidency as an institution, and presidential policy-making. It explores the relationship of the Presidency with other major governmental institutions such as Congress and the judiciary branch, and the public and organized interest groups.

Typically Offered: Spring, odd years.

Same As: HIST 380/POLS 380.

HIST 391. Global Seminar. 1-3 Credits.

Interdisciplinary examination of a specific language, culture, and its current local/global issues. In-depth experiences in the country of student's choice. Required before a study-abroad program travel. Cross-referenced with ENGL 391, GEOG 391, and HUM 391.

Typically Offered: Spring.

Same As: ENGL, GEOG, HIST, HUM 391.

HIST 394. Independent Study. 1 Credit.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

HIST 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

HIST 400. Historiography. 3 Credits.

A detailed and analytical examination of the evolution of the study of history through time. Special emphasis is given to representative works of major historians.

Typically Offered: Fall.

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HIST 454. Renaissance/Reformation. 3 Credits.

An in-depth study of religious, scientific, maritime, social, and political events in Europe between 1450 and 1648. Particular attention is given to the impact of the Reformation in Europe. This course delineates those qualities of life which transformed Europe and the Transatlantic World.

Typically Offered: On sufficient demand.

HIST 458. The World Wars: 1914-1945. 3 Credits.

An in-depth study of the causes and impact of The Great War and World War II. Particular attention is given to the major battles, powers, and personalities that shaped the events and ultimate outcome of both epic struggles. Topics covered in this class include nationalism, the naval arms race, total war, trench warfare, the Treaty of Versailles and the demise of the imperial system, rise of totalitarianism, the Great Depression, blitzkrieg, the Pacific Theater, the emergence of superpowers and the post-war political order.

Typically Offered: Fall, even years.

HIST 460. The Atlantic World. 3 Credits.

This course is an interdisciplinary investigation of the political, economic, and social developments that shaped the region, from the age of empires to the decolonization of the twentieth century. Using a comparative approach, this course examines the Atlantic community constructed between Africa, Western Europe and the Americas, with particular attention to the interactions on matters of migration, market economies, ideology and cultural exchange. Cross-referenced with ECON 460 and GEOG 460.

Typically Offered: Spring, odd years.

Same As: ECON 460/GEOG 460/HIST 460.

HIST 470. Topics in Non-Western History. 3 Credits.

A study of a selected area of the world that lies outside of the purview of Western history. Course topics may center on Africa, Latin America or Asia.

Typically Offered: Fall, Spring.

Repeatable: Up to 6 Credits.

HIST 490. Methods of Teaching Social Science. 3 Credits.

A study of methods used in teaching social science. Emphasis is on techniques and sources of materials. This course must be successfully completed before student teaching.

Typically Offered: Fall, Spring.

Prerequisite: Admitted to Teacher Education.

HIST 491. Senior Capstone. 1 Credit.

This course will assist student in creating the capstone portfolio. The course addresses technical application, content, and self-reflection.

Typically Offered: Spring.

Grading: S/U only.

HIST 492. Historical Research Methods. 3 Credits.

A study of methodologies and sources historians use when conducting research. Students conduct original research.

Typically Offered: On sufficient demand.

HIST 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

HIST 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

HIST 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

POLS 115. American National Government. 3 Credits.

This course offers an introductory survey of the structure and dynamics of American national government, providing a broad-based introduction to the ideas and institutions that shape politics in the contemporary United States. The course is organized in three wide-ranging themes: (i) foundations of the American political system, (ii) institutions of American government, and (iii) politics and political participation.

Typically Offered: Fall, even years.

POLS 116. State and Local Government. 3 Credits.

A study of the development, structure, and operation of American state and local governments and their roles in the lives of the American people.

Typically Offered: Fall, odd years.

POLS 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

POLS 330. Understanding Statistics. 3 Credits.

This course is an introduction to descriptive, inferential, and correlated statistics. Emphasis is placed on determining when to use each type of test and how to read and discuss statistical analyses. Cross-referenced with COMM 330, PSYC 330, and SOC 330.

Typically Offered: Fall.

Prerequisite: MATH 103 or MATH 104.

Same As: COMM/POLS/PSYC/SOC 330.

POLS 340. Research Methods. 3 Credits.

An exploration of social research processes and analyses. Fundamentals and specific application of the most common data gathering and measurement techniques are addressed.

Typically Offered: Spring.

Prerequisites: ENGL 110, ENGL 120 or ENGL 125, and COMM 330/POLS 330/PSYC 330/SOC 330.

Same As: COMM/POLS/PSYC/SOC 340.

POLS 345. International Political Economy. 3 Credits.

This course introduces students to the study of international political economy (IPE). The course focuses on the political foundations and consequences of the contemporary world economy. The course will survey the evolution of the international economic system, in particular since the Second World War, emphasizing the main contemporary theories, debates, and issues shaping the global economy and politics.

Typically Offered: Spring, even years.

Same As: POLS 345/ECON 345.

POLS 375. U.S. Constitution: Federalism. 3 Credits.

A narrative and case study of the development of the U.S. Constitution including U.S. Supreme Court decisions related to the development of Federalism in fact and theory. Cross-referenced with HIST 375.

Typically Offered: Spring, even years.

Same As: HIST 375/POLS 375.

POLS 376. U.S. Constitution: Civil Liberties. 3 Credits.

A narrative and case study of the development of the U.S. Constitution including U.S. Supreme Court decisions related to the exercise of civil liberty in fact and theory.

Typically Offered: Fall.

Same As: HIST 376/POLS 376.

POLS 380. The American Presidency. 3 Credits.

This course provides students with a general assessment of the issues involving the modern American Presidency. Topics include the development and practice of presidential leadership, the evolution of the modern Presidency, the process of presidential selection, the structure of the Presidency as an institution, and presidential policy-making. It explores the relationship of the Presidency with other major governmental institutions such as Congress and the judiciary branch, and the public and organized interest groups.

Typically Offered: Spring, odd years.

Same As: HIST 380/POLS 380.

POLS 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

POLS 395. Student Government Practicum. 1 Credit.

This course provides students who are elected to Student Senate a practicum experience in student government.

Typically Offered: Fall, Spring.

Repeatable: Up to 4 Credits.

POLS 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

POLS 420. Comparative Politics. 3 Credits.

This course surveys the major issues in Comparative Politics. Topics include political structures and processes in a wide variety of countries, analysis of modern states, different types of political regimes, governmental institutions, democracy and authoritarianism, and different political dynamics such as economy and development.

Typically Offered: Spring, odd years.

POLS 425. International Relations. 3 Credits.

This course is a wide-ranging introduction to the core theories, actors, and themes involved in contemporary international affairs. The course is comprehensive in its subject matter, although not exhaustive in detail. Its major objective is to introduce students to a wide range of issues and problems that have focused the attention of policy-makers, academics, and citizens throughout the 20th century.

Typically Offered: Fall, even years.

POLS 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

POLS 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

POLS 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

PSYC 111. Introduction to Psychology. 3 Credits.

A survey of the scientific study of behavior and mental processes.

Typically Offered: Fall, Spring.

PSYC 200. Ethics and Philosophy of Science. 3 Credits.

An exploration of ethical principles and philosophical considerations in science, including a focus on information and media literacy. Topics include the basics of deductive and inductive reasoning, ethical issues in research, philosophical limits of the scientific method, foundations of empiricism and sources of bias in social and natural sciences. Students will acquire skills needed to understand, interpret and discuss controversial issues.

Typically Offered: Spring.

PSYC 210. Intimate Partner Violence. 3 Credits.

Intimate partner violence (IPV) is an area of research within social psychology that examines extreme aggressive actions that occur within the context of a romantic relationship. Topics include the nature of IPV, its many precursors, the effect it has on children, the response of criminal justice and healthcare systems, how and when it occurs, and some suggestions for interventions.

Typically Offered: Summer; Spring, odd years.

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PSYC 240. Cognition and Brain Science. 4 Credits.

This lab science course is an exploration of cognitive processes. Topics covered will include: research methods in cognition and brain science, stages and nature of memory, motivation and emotion, language, and problem solving.

Typically Offered: Spring.

PSYC 250. Developmental Psychology. 3 Credits.

A survey of the psychology of human life span development.

Typically Offered: Fall, Spring, Summer.

Prerequisite: PSYC 111.

PSYC 310. Behavior Modification. 3 Credits.

Introduction to basic principles and techniques of behavior modification. Emphasis is placed on the use of behavior modification techniques in self-management, education, child rearing, and helping professions. Cross-referenced with SPED 310

Typically Offered: Spring.

Prerequisite: PSYC 111.

Same As: PSYC 310/SPED 310.

PSYC 330. Understanding Statistics. 3 Credits.

This course is an introduction to descriptive, inferential, and correlated statistics. Emphasis is placed on determining when to use each type of test and how to read and discuss statistical analyses. Cross-referenced with COMM 330, POLS 330, and SOC 330.

Typically Offered: Fall.

Prerequisite: MATH 103 or MATH 104.

Same As: COMM/POLS/PSYC/SOC 330.

PSYC 340. Research Methods. 3 Credits.

An exploration of social research processes and analyses. Fundamentals and specific application of the most common data gathering and measurement techniques are addressed.

Typically Offered: Spring.

Prerequisites: ENGL 110, ENGL 120 or ENGL 125, and COMM 330/POLS 330/PSYC 330/SOC 330.

Same As: COMM/POLS/PSYC/SOC 340.

PSYC 350. Social Psychology. 3 Credits.

A study of the effects of social influence and physical environment on human behavior. Examines how people affect each other and how they are affected by social situations. Among the topics covered are social cognition, attitudes, social interaction, attraction, aggression, prejudice, conformity, and gender roles.

Typically Offered: Fall.

Prerequisite: PSYC 111.

Same As: PSYC 350/SOC 350.

PSYC 360. Group Dynamics. 3 Credits.

An examination of human interaction within groups. Small group processes are practiced. Theories of interpersonal relations, team building, leadership, and conflict management are discussed. Students will observe group dynamics by interacting within small groups and by developing group presentations. Cross-referenced with COMM 360 and SOC 360.

Typically Offered: Fall.

Same As: COMM 360/PSYC 360/SOC 360.

PSYC 370. Abnormal Psychology. 3 Credits.

A survey of the classification, symptoms, etiology, and treatment of psychological disorders.

Typically Offered: Fall.

Prerequisite: PSYC 111.

PSYC 380. Human Sexuality. 3 Credits.

A study of the role and meaning of human sexuality in relations to oneself as well as in all interrelationships with other people. Course work includes a study of anatomy and physiology of the reproductive system, human sexual response, process and role of identity, sexual value systems, contraception, and the importance of sexuality in preparation for family living. Cross-referenced with BIOL 380.

Typically Offered: Fall, Spring.

Same As: BIOL 380/PSYC 380.

PSYC 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

PSYC 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 4 Credits.

PSYC 450. Personality Theories. 3 Credits.

An examination of major psychological theories related to personality. Special attention is given to the interrelated subparts of personality development, personality dynamics, complex personality processes, and evaluation.

Typically Offered: Spring.

Prerequisite: PSYC 111.

PSYC 470. Counseling Theory and Practice. 3 Credits.

A study of counseling principles and practices in educational, industrial, and community settings. Philosophy, objectives, and organization are stressed.

Typically Offered: Spring.

Prerequisite: PSYC 111.

PSYC 480. Health Psychology. 3 Credits.

This course is an exploration of the subdiscipline of health psychology. We will explore topics of health including causal and mediating psychosocial factors, diseases and disorders, as well as social determinants of health (e.g., health disparities influenced by race, sex, socioeconomic status, etc.).

Typically Offered: Fall.

Prerequisite: PSYC 111.

PSYC 491. Capstone. 1 Credit.

This course provides a culminating experience for students majoring in Psychology or Human Services. The course will include an applied learning activity which draws upon concepts from multiple courses in the majors.

Typically Offered: Fall.

Same As: PSYC 491/SOC 491.

Grading: S/U only.

PSYC 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

PSYC 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

PSYC 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SOC 110. Introduction to Sociology. 3 Credits.

The study of human behavior in social groups, institutions, and organization, including the impact of human interactions and social problems on human behavior.

Typically Offered: Fall, Spring.

SOC 111. Introduction to Anthropology. 3 Credits.

An introductory course on human evolution and the cross-cultural development of social institutions.

Typically Offered: Fall.

SOC 130. Introduction to Human Services. 3 Credits.

An introduction to the human service professions, including the various roles, functions, values, and personal attributes needed to function effectively in these careers. This course covers the history, practice setting, career opportunities, and philosophical concepts related to working with vulnerable populations.

Typically Offered: Spring.

SOC 194. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SOC 220. The Family. 3 Credits.

A study of the family as an important societal institution. The course takes a historical and sociological perspective, examining the impact of gender, social class, and race/ethnicity on families in the U.S.

Typically Offered: Spring.

SOC 251. Introduction to Gerontology. 3 Credits.

The analysis of aging within the context of the life cycle with emphasis on the major concerns of the elderly and social policies that affect the lives of the elderly.

Typically Offered: Fall, even years.

SOC 270. Native American Studies. 3 Credits.

A multicultural study of Native American cultural and historical development. Topics addressed include interactions with European and Anglo-American settlers and government, agency and the concept of the Middle Ground, U.S. federal Indian policy, cultural resurgence, and North Dakota Indian tribes. Cross-referenced with HIST 270.

Typically Offered: Fall, even years.

Same As: HIST 270/SOC 270.

SOC 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SOC 300. Race, Ethnic, and Gender Relations. 3 Credits.

The social-historical study of racial, ethnic, and gender relations. Cross-referenced as HIST 300.

Typically Offered: Fall, odd years.

Prerequisite: SOC 110.

Same As: HIST 300/SOC 300.

SOC 320. Case Management. 3 Credits.

A generalist overview of the case management process, which involves assessment, implementation, coordination, monitoring, and evaluation. Students will develop helping skills and intercultural competence, as well as knowledge related to specific aspects of case management, including intake interviews, documentation, making referrals, and case review.

Typically Offered: Fall.

Prerequisite: SOC 130.

SOC 330. Understanding Statistics. 3 Credits.

This course is an introduction to descriptive, inferential, and correlated statistics. Emphasis is placed on determining when to use each type of test and how to read and discuss statistical analyses. Cross-referenced with COMM 330, POLS 330, and PSYC 330.

Typically Offered: Fall.

Prerequisite: MATH 103 or MATH 104.

Same As: COMM/POLS/PSYC/SOC 330.

SOC 340. Research Methods. 3 Credits.

An exploration of social research processes and analyses. Fundamentals and specific application of the most common data gathering and measurement techniques are addressed.

Typically Offered: Spring.

Prerequisites: ENGL 110, ENGL 120 or ENGL 125, and COMM 330/POLS 330/PSYC 330/SOC 330.

Same As: COMM/POLS/PSYC/SOC 340.

SOC 350. Social Psychology. 3 Credits.

A study of the effects of social influence and physical environment on human behavior. Examines how people affect each other and how they are affected by social situations. Among the topics covered are social cognition, attitudes, social interaction, attraction, aggression, prejudice, conformity, and gender roles.

Typically Offered: Fall.

Prerequisite: PSYC 111.

Same As: PSYC 350/SOC 350.

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SOC 354. Health, Illness, and Disability. 3 Credits.

A study of the ways in which society influences our definitions and understanding of health, illness, and disability. Topics include health care delivery, utilization, and system structure; the relationship between health professionals and patients; inequality in health care and treatment; social constructions of wellness, illness, healing, and disability; and the meaning and experience of illness and disability.

Typically Offered: Spring, even years.

Prerequisite: SOC 110.

SOC 360. Group Dynamics. 3 Credits.

An examination of human interaction within groups. Small group processes are practiced. Theories of interpersonal relations, team building, leadership, and conflict management are discussed. Students will observe group dynamics by interacting within small groups and by developing group presentations. Cross-referenced as COMM 360 and PSYC 360.

Typically Offered: Fall.

Same As: COMM 360/PSYC 360/SOC 360.

SOC 390. Criminology and Delinquency. 3 Credits.

A study of the causation, detection, prevention, and correction of criminal and delinquent behavior.

Typically Offered: Spring, odd years.

Prerequisite: SOC 110.

Same As: CJ 390/SOC 390.

SOC 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SOC 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SOC 422. Social Science Theory. 3 Credits.

A focus on sociological and social psychological theories and conceptual frameworks. Both classic and contemporary theories and conceptual frameworks are discussed and explored. Examples of theoretical frameworks discussed include functionalism, conflict theory, symbolic interaction and feminist theories. The course should be taken in junior or senior year.

Typically Offered: Fall.

Prerequisite: SOC 110.

SOC 441. Death and Dying. 3 Credits.

A multidisciplinary study of historical and contemporary perspectives on death and dying. Topics include individual and societal attitudes towards death, dying, and end-of-life issues; cultural differences and customs; professions and industries associated with death and dying; bereavement and grief; ethics and end-of-life concerns; and portrayals of death and dying in popular culture.

Typically Offered: Spring, odd years.

Prerequisite: SOC 110.

SOC 491. Capstone. 1 Credit.

This course provides a culminating experience for students majoring in Psychology or Human Services. The course will include an applied learning activity which draws upon concepts from multiple courses in the majors.

Typically Offered: Fall.

Same As: PSYC 491/SOC 491.

Grading: S/U only.

SOC 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SOC 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

SOC 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Department of Technology

McCarthy Hall 156

Department Chair: Jason Dockter, M.Ed.

Assistant: Teresa Cole

teched@vcsu.edu

(800) 532-8641 extension 37444

(701) 845-7444

www.vcsu.edu/departments/technology/ (<http://teched.vcsu.edu>)

The Department of Technology offers a fully online curriculum for a major or minor in Technology or STEM Education . Paths to STEM Certification, STEM Endorsements, or Teacher Licensure are also online.

This program has the flexibility to be offered as a four-year degree major, two-year degree minor, or the ability to meet state certification/licensure requirements for Technology Education content course work. Certification requirements are determined by your home state.

The Technology Education and STEM Education programs are based on the Standards for Technological and Engineering Literacy (STEL - 2020), Standards for Technological Literacy (STL - 2007), Common Core, and Next Generation Science Standards.

Master of Education

For more information on the Master of Education program, please see the Graduate Program (p. 468) section of this catalog.

Dockter, Jason (2018) Instructor; B.S. Minnesota State University - Moorhead, M.Ed. Valley City State University

Krumwiede, Elisa (2019) Instructor; B.S. North Dakota State University, B.S., M.Ed. Valley City State University

Mannie, Clayton (2020) Assistant Professor; B.S., M.Ed. Valley City State University

Majors

- Technology Education (B.S. in Education) (p. 339)

Minor

- Technology Education (p. 363)

Certificates

- STEM Education–Elementary (p. 369)
- STEM Education–Secondary (p. 369)

Endorsement

- STEM Education

STEM ED 160. Integrative Physical Science for Elementary. 4 Credits.

A conceptual physical science course intended for elementary education majors. Topics include the study of the structure and properties of matter, interactions and energy, interactions and forces, interactions and systems (electricity and magnetism), and the study of waves (including light and sound). This course includes exploration of PLTW Launch Modules.

Typically Offered: Fall, Spring, Summer.

STEM ED 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

STEM ED 306. Inventions and Innovations - Technology Education for Children. 3 Credits.

An elementary course focused on technology and society, invention and innovation, engineering for children, evaluating available integrated STEM curricula, as well as exploring methods for the implementation of integrated STEM activities in the elementary classroom. The course includes a lab component.

Typically Offered: Fall.

STEM ED 310. Design, Technology and Engineering for Children. 3 Credits.

An elementary course focused on technology, design, and the engineering process, as well as methods integrating STEM activities into thematic units in the elementary school curriculum. The course includes a lab component.

Typically Offered: Summer.

STEM ED 331. Innovation and Engineering Design. 3 Credits.

Prepares prospective teachers to teach a middle school course using engineering design concepts and activities to understand how criteria, constraints, and processes affect designs. Activities include brainstorming, visualizing, modeling, constructing, testing and refining designs. The course includes a lab component.

Typically Offered: Summer.

STEM ED 342. Data Collection and Analysis. 3 Credits.

A course focused on hands-on transdisciplinary labs using project-based engineering design activities that focus on the collection and analysis of lab data to solve real world problems. Activities include data graphing, charting, tables, sketching, modeling, constructing, testing, and refining designs.

Typically Offered: Summer.

STEM ED 355. STEM Curriculum and Methods for Elementary. 3 Credits.

Foundational course for fully implementing effective elementary-level STEM (Science, Technology, Engineering, and Mathematics) Education. Reviews and explores current trends in STEM Education using PLTW Launch Modules and other standards-based education curricula. Students also examine interdisciplinary methods for successfully engaging students in Reading, Science, Math, Art, and other elementary subjects.

Typically Offered: Spring.

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STEM ED 411. STEM Curriculum and Methods. 3 Credits.

This course is designed to prepare students to teach courses in technology education, technology and engineering education and technology and engineering programs in middle, junior high, and high schools. Students will learn curriculum development, methods, and techniques to courses that utilize the classroom, lab, and shop.

Typically Offered: Fall.

STEM ED 431. Design for Engineering. 3 Credits.

This course is designed to provide prospective teachers with experience in Project-Based Learning (PBL) using the Engineering Design Process (EDP). Students will examine engineering practices related to analytical and physical modelling to design, build, modify, test, and demonstrate in a virtual and real-world environment. Students are introduced to virtual simulations, 2D and 3D Modeling Techniques, and other elements of design. At course conclusion students will be familiar with the iterative process engineers use to create design solutions. This course Includes embedded lab activities to support learning and application.

Typically Offered: Fall.

STEM ED 450. Engineering the Future Using Computational Thinking. 3 Credits.

This course is designed to provide an examination of the use of computational thinking in technology, or how problems and their solutions can be formulated to be effectively executed by a computing platform. Students develop the skills to break problems into smaller parts, identify patterns, focus on the relevant details of a problem, and think of solutions to problems in an algorithmic fashion. Students practice these skills through programming challenges in the Python programming language.

Typically Offered: Spring.

STEM ED 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

TECH 161. Technology, Engineering, and Design. 4 Credits.

An introductory course that examines the engineering design process and its use to solve technological challenges. The course will cover the nature of technology, technology systems, and the history, evolution, and characteristics of technology, as well as learning activities to apply technology, science, and mathematics concepts.

Typically Offered: Fall, Spring.

TECH 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

TECH 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

TECH 300. 3D Modeling and Design. 3 Credits.

An introduction to the principles of graphic design and 3D parametric modeling in the creation and visualization of engineering designs and drawings. Students will be able to illustrate parametric 3D part modeling, assembly, rendering, and production of working drawings from design ideas. The course includes a lab component.

Typically Offered: Fall.

TECH 325. Exploring Technology Through Engineering by Design (EbD). 3 Credits.

This is a course designed to provide prospective teachers with experience in Middle and High School Inquiry and Project Based Learning using ITEEAs Engineering by Design (EbD) Curriculum. Students will experience engineering design challenges selected from several EbD courses to promote the development of critical thinking and problem-solving in the classroom and lab.

Typically Offered: Fall.

TECH 330. Exploring Technology Through PLTW. 3 Credits.

This is a course designed to provide prospective teachers with experience in Activity and Problem Based (APBL) Learning from class curriculums offered through the Project Lead the Way Gateway program. This is a middle school base curriculum where students will explore technology and engineering through STEM activities and projects selected from several of the Gateway curriculum offerings; many of which relate to the design process to encourage development of critical thinking and problem-solving abilities.

Typically Offered: Spring.

TECH 356. Safety and Management in Technology Education. 3 Credits.

An examination of safety issues utilizing a systems-based team approach to ensure a safe technical education classrooms and laboratory environments that now also include fab labs, makerspaces, and STEM labs. This course covers essential discussions of inherent hazards, machine tool operations, as well as laboratory/fabrication systems and management issues. By completing all elements in this course prospective teachers will produce materials to establish a well-documented safety program for the various teaching environments that a technology education teacher may experience.

Typically Offered: Spring.

TECH 371. Technology Systems. 3 Credits.

A focus on content and processes associated with technological systems. Students apply systems thinking, reverse engineering, and other related concepts in projects to better understand systems design, maintenance, and troubleshooting. The course includes a lab component.

Typically Offered: Spring.

TECH 391. Foundations of Technology. 3 Credits.

An exploration of the foundations of technology using the design process. Students learn to innovate and engineer practical solutions. The course includes a lab component.

Typically Offered: Spring.

TECH 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

TECH 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

TECH 416. Innovations in Energy and Power Technologies. 3 Credits.

A foundation of key concepts in energy, power, and electronics. Students develop an understanding of the science and application of energy in technology; the evolution of the human understanding of energy; power plant technologies; sustainability; and analog and digital circuit design. This course includes embedded lab activities to support learning and application.

Typically Offered: Fall.

TECH 421. Computer Science, Programming, and Robotics. 3 Credits.

An introduction to basic computer systems, programming, and logic. Students will be challenged with design activities where they must read and create basic coding operations to complete a task or solve a problem in a robotic setting.

Typically Offered: Spring.

TECH 456. Intelligent Machines. 3 Credits.

A focus on practical interfacing of computers and/or peripheral devices to create solutions to design challenges. Students will be asked to create device and machine (artificial) intelligence through use of coding, sensors, and an understanding of digital and analog controls. The course includes a lab component.

Typically Offered: On sufficient demand.

TECH 478. Technology, Society, and Sustainability. 3 Credits.

This course is designed to provide the student with conceptual knowledge and know-how to better assess the impact of technology on society and the environment. It will also familiarize students with the advancement of environment technology and its potential contribution to a more sustainable future. The course includes a lab component.

Typically Offered: Fall.

TECH 491. Senior Portfolio. 1 Credit.

A course to assist the student in developing the digital portfolio used to assess the completion of the program outcomes. The course addresses both technical application and content and allows the student to demonstrate program outcome competencies.

Typically Offered: Fall, Spring, Summer.

Grading: S/U only.

TECH 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

TECH 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

School of Education and Graduate Studies

McFarland Hall 326

Dean: Allen Burgad, Ed.D.

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Founded as a teacher's college over 125 years ago, VCSU is widely respected as having one of the finest teacher education programs in the region. Students have the opportunity to become qualified for nearly any area of K-12 education from the elementary classroom to rapidly growing areas of specialization that include ELL, Kindergarten, Special Education, and STEM Education.

Valley City State University offers a Master of Education (M.Ed.) degree with concentrations in Elementary Education, English, Library and Information Technologies, Teaching English Language Learners, Teaching and Technology, and Technology Education. This online program may be completed in two years over six semesters.

Graduate Studies

Dean: James Boe, Ph.D.

Coordinator: Chasity Lovell

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For information about graduate programs and courses, please see the Graduate Program (p. 440) section of this catalog.

Aberle, Amber Ussatis (2013) Assistant Professor; B.S., M.Ed. Valley City State University, Ed.D. Capella University

Anderson, Mary Beth (2022) Assistant Professor; B.S., M.S. University of Minnesota

Bass, Dave (1981) Assistant Professor; B.S. Valley City State University, M.Ed. University of North Dakota

Bennett Zaun, Kathleen (2009) Instructor; B.A. San Jose State University, M.A. National University

Bremer, Abigail (2019) Assistant Professor; B.S., M.S. Michigan State University, Ed.D. Minnesota State University - Moorhead

Burgad, Allen (2021) ; B.S.Ed. Valley City State University, M.Ed. University of Mary, Ed.D. University of North Dakota

Hanson, David (2017) Assistant Professor; B.S. Valley City State University, M.S. Tri-College University

Klein, Joan (2016) Assistant Professor; B.S. Minnesota State University - Moorhead, M.S. Northern State University

Knodle, Kim (2010) Instructor; B.S. Mayville State University, M.Ed. North Dakota State University

Kvilvang, Heather (2002) Assistant Professor; B.S. in Ed. Valley City State University, M.S. Minnesota State University Moorhead, Ph.D. North Dakota State University

Mari, Kaley (2017) Assistant Professor; B.S., M.S. University of North Dakota

Michaelson, Timothy (2018) Instructor; B.S. Dickinson State University, M.S.Ed. Northern State University

Olson, Alan (1990) Professor; B.S. Valley City State University, M.S. Northern State University, Ph.D. University of North Dakota

Owen, Jackie (2009) Assistant Professor; B.S. Brigham Young University, M.Ed. Utah State University, M.S. North Dakota State University

Peschel, Heather (2015) Instructor; B.S. Valley City State University, M.Ed. University of North Dakota

Pollert, Jaime (2021) Assistant Professor; B.A. Concordia University, M.S. Minnesota State University-Moorhead

Richman, Harmony (2018) Instructor; B.S., M.Ed. Minnesota State University - Moorhead

Saxland, Angela (2019) Assistant Professor; B.S.Ed. Valley City State University, M.Ed. Minot State University

Zahn, Cindy (2005) Associate Professor; B.S.Ed. Moorhead State University, M.Ed. University of Wisconsin-River Falls, Ph.D. North Dakota State University

Zerface, Angela (2021) Assistant Professor; B.S. Minnesota State University-Moorhead, B.S.,B.A. Valley City State University, M.Ed. North Dakota State University

Major

- Elementary Education (B.S. in Education) (p. 211)

Minors

- Teaching English Language Learners (p. 362)
- Library Media and Information Science (p. 358)

Certificates

- STEM Education (p. 369) (Elementary)
- STEM Education (p. 369) (Secondary)

Certificate of Completion

- Middle Level Education (p. 370)
- Reading (p. 370)

Endorsements

- Early Childhood (p. 371)
- English Language Learners (p. 372)
- Kindergarten (p. 371)
- Strategist Special Education (p. 372)

Graduate Programs

- Please see the Graduate Program (p. 456) section of this catalog.

EDUC 210. Creative Activities. 2 Credits.

A course designed to explore resources and to provide instruction, demonstration, and participation in a variety of practical art, music, and physical experiences for children of various ages in the elementary school.

Typically Offered: Fall, Spring, Summer.

EDUC 240. Educating Exceptional Students. 3 Credits.

A study of the characteristics of the exceptional student. Current delivery models, educational adaptations, and best practices for the regular classroom teacher of a mainstreamed student are stressed. This course covers mental health topics and strategies related to K-12 education. This meets requirements for initial licensure in the state of North Dakota.

Typically Offered: Fall, Spring, Summer.

EDUC 249. Introduction to VCSU Program. 1 Credit.

An introduction to the Teacher Education Program at VCSU. This course introduces students to the requirements for admission into the program and to the Teacher Education Handbook, Praxis I and II requirements, and the senior portfolio.

Typically Offered: Fall, Spring, Summer.

EDUC 250. Introduction to Education. 3 Credits.

An introduction to the professional education sequence. The course examines the teaching profession, including the historical, philosophical, and social foundations of education. Students gain knowledge of the VCSU teacher education model and apply knowledge and skills through practice teaching activities, including the effective use of planning, implementing, evaluating, and reflecting. The course requires a 40 hour field experience in an elementary or secondary classroom. Prior to starting the required field experience, EDUC 250 students must have a cleared background check on file with Teacher Education office.

Typically Offered: Fall, Spring.

Prerequisites: Sophomore or Higher. GPA of 2.5 or higher.

EDUC 251. Introduction to the Teaching Profession. 2 Credits.

A study of the teaching profession, including historical, philosophical, and social foundations of education. Students will have opportunities to apply knowledge and skills through peer teaching activities. Emphasis is placed upon the knowledge and skills needed to prepare pre-service teachers to become knowledge-based decision-makers who can provide learning experiences for K12 students through effective use of planning, implementing, evaluating, and reflecting.

Typically Offered: Fall, Spring.

EDUC 252. Introductory Field Experience. 2 Credits.

Students will have an opportunity to apply knowledge and skills learned in EDUC 251 Introduction to the Teaching Profession by participating in a 40-hour field experience at an elementary or secondary school site. Regular class meetings with the Instructor are also required with activities that may include, but are not limited to discussing and reflecting on field experiences, exploring additional trends/topics in education, developing lessons and guest presentations.

Typically Offered: Fall, Spring.

Prerequisite or Corequisite: EDUC 251.

EDUC 277. Mathematics for Elementary Teachers I. 3 Credits.

A course designed to provide elementary teachers with the ability to integrate the understanding of content with the understanding of how students learn arithmetic concepts. Students study the application of arithmetic concepts of the solutions of problems. Mathematical content includes algebra fundamentals, functions, graphing, inductive and deductive reasoning, whole number operations, number bases, numeration systems, place value, number theory topics, sets, integers, decimals, percentages and fractions.

Typically Offered: Fall, Spring, Summer.

EDUC 278. Mathematics for Elementary Teachers II. 3 Credits.

A course designed to provide elementary teachers with the ability to integrate the understanding of content with the understanding of how students learn mathematical concepts. Students study the application of mathematical concepts to the solution of problems. Mathematical content includes topics in geometry, measurement, modular arithmetic, algebra, statistics, and probability.

Typically Offered: Fall, Spring, Summer.

EDUC 283. Understanding Cultural Diversity in Education. 3 Credits.

A multicultural study of the cultural, ethnic, linguistic, and developmental differences of students in the classroom. Included are traditional and modern Native American cultures and values with an emphasis on North Dakota Native Americans as well as strategies for teaching and assessing diverse cultural populations.

Typically Offered: Fall, Spring, Summer.

EDUC 294. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

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EDUC 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

EDUC 300. Educational Technology. 2 Credits.

A study of the use of information and communication technologies for educational purposes. Students design and develop digital-age learning experiences that incorporate contemporary tools and resources to maximize content learning and to develop the knowledge, skills, and attitudes of a professional educator.

Typically Offered: Fall, Spring.

EDUC 305. Philosophy and Curriculum of Middle Level Education. 3 Credits.

A focus on the educational foundations essential to meeting the needs of young adolescents in the middle level schools. Education topics include philosophy, historical background, curriculum, facilitation of learning, organizational practices, assessment, and planning.

Typically Offered: Summer.

EDUC 310. Introduction to Early Childhood Education. 3 Credits.

A course designed to provide students with the terminology and historical background related to early childhood education. The course covers the growth and development of the child from birth to age eight with an emphasis on developmentally appropriate practices. Parental involvement, play, and observation practices are also examined.

Typically Offered: Fall, Summer.

EDUC 313. Language and Literacy in Early Childhood Education. 2 Credits.

A study of language and literacy growth and development during the early childhood years. Emphasis is given to sub-cultural language patterns, language and literacy problems, theories concerning the origins of language and literacy, and the relationship of language and literacy to thought and culture.

Typically Offered: Spring, Summer.

EDUC 315. Mathematics in the Elementary School. 3 Credits.

A study of mathematical concepts, systems of numbers, ways of presenting these concepts, and understanding how arithmetical concepts are developed, expanded, and reinforced. Special emphasis will be on the impact of technology, problem solving, and mathematical reasoning. Students will plan, implement, and evaluate lessons.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Admitted to Teacher Education, EDUC 277, and EDUC 278.

EDUC 320. Social Studies in the Elementary School. 3 Credits.

A study of the content, methods, and materials used when teaching elementary school social studies. Topics include multicultural education, geography, global education, law-related education, critical thinking, computer usage, and designing effective lesson plans.

Typically Offered: Fall, Spring.

Prerequisite: Admitted to Teacher Education.

EDUC 321. Foundations of Reading Instruction. 3 Credits.

An introductory course which provides the foundations of reading education. Topics include the reading process, emergent literacy, word identification, vocabulary development, comprehension, reading instruction approaches, and reading/study skills. Teaching reading in the multicultural classroom is a major theme.

Typically Offered: Fall, Spring.

EDUC 322. Methods of Language Arts Instruction. 3 Credits.

A course based upon the philosophy that the language arts are best taught as integrated modes. Topics include planning, implementing, and evaluating language arts lessons; language acquisition; teaching grammar usage, oral language, listening writing, handwriting, and spelling; developing language arts learning centers; and meeting the needs of culturally-diverse students.

Typically Offered: Fall, Spring, Summer.

Prerequisite: Admitted to Teacher Education and EDUC 321.

EDUC 323. Methods of Reading in the Elementary School. 3 Credits.

A concentration on the teaching of reading based upon the integrated teaching of language arts. Topics include phonics, phonemic awareness and literature-based approaches, guided reading, reading recovery, teaching reading in the content areas, promoting reading as a lifelong activity, organizing and managing classroom reading programs, using technology in literacy, diagnosis and correction of reading difficulties, and meeting the needs of culturally diverse and special needs students.

Typically Offered: Fall, Spring, Summer.

Prerequisite: Admitted to Teacher Education; .

Prerequisite or Corequisite: EDUC 321.

EDUC 330. Children's Literature. 3 Credits.

A study of children's literature with emphasis on the relationship of books to the basic needs of children. The importance of children's literature as a support to all areas of the curriculum is stressed. New trends in literature, the evaluation of literacy and visual elements and the multicultural concept are explored.

Typically Offered: Fall, Spring.

EDUC 337. Pre-Kindergarten Observation and Assessment. 3 Credits.

An opportunity for a field experience in a pre-kindergarten setting. The pre-service student will be involved in all aspects of teaching in the pre-kindergarten classroom including the administration of informal assessments of a pre-k student using multiple measures. Students are responsible for learning about the basic principles of administration, organization, leadership, and operation of early childhood programs.

Typically Offered: Fall, Spring, Summer.

Prerequisite: EDUC 310.

EDUC 350. Elementary Practicum and Classroom Management. 2 Credits.

An opportunity for pre-service teachers to gain experience in an elementary classroom in preparation for student teaching. The student works closely with an elementary teacher to develop a greater understanding of effective teaching and classroom management. This course requires the student to participate in both the practicum experience and the substitute teaching program.

Typically Offered: Fall, Spring.

Prerequisite: Admitted to Teacher Education.

Grading: S/U only.

EDUC 351. Secondary Practicum and Classroom Management. 1 Credit.

An opportunity for pre-service teachers to gain experience in a secondary classroom in preparation of student teaching. The student works closely with an secondary classroom teacher to develop a greater understanding of effective teaching and classroom management. Students are encouraged to take the practicum the same semester as their secondary methods course.

Typically Offered: Fall, Spring.

Prerequisite: Admitted to Teacher Education.

Grading: S/U only.

EDUC 352. Culturally Diverse Practicum. 1 Credit.

Provides pre-service teachers an experience in a culturally diverse classroom. This experience will enable the pre-service teacher to be better prepared to meet all student's needs and develop a greater understanding of how to work with students from various backgrounds and socioeconomic levels.

Typically Offered: Fall, Spring.

Grading: S/U only.

EDUC 355. Science Methods for Elementary Teachers. 3 Credits.

A course designed to prepare prospective elementary teachers for effective teaching of science in elementary schools. Methods and materials are introduced and opportunities for practice and evaluation are available. Topics include critical thinking and questioning techniques, designing effective lesson plans and units.

Typically Offered: Fall, Spring.

Prerequisite: Admitted to Teacher Education.

EDUC 361. Foundations of Bilingual/Multicultural Education. 2 Credits.

A focus on models of bilingual education. Topics include research of the effectiveness, or lack thereof, of bilingual education; the history of bilingual education; and significant laws and court decisions affecting language minority students.

Typically Offered: Summer.

EDUC 363. Assessing ELL Proficiency. 2 Credits.

This is a methods course where students are required to demonstrate their ability to assess ELL students on their basis of the level of English language proficiency (ELP) attained, as well as scaffold accordingly. Additionally, students are required to demonstrate their ability to administer ELP instruments such as the WIDA ACCESS, and other corresponding formative language instruments.

Typically Offered: Fall.

Prerequisites: EDUC 361; Admission to Teacher Education.

EDUC 375. Teaching Reading in the Content Areas. 2 Credits.

A study of reading in the content areas. Methodology, organization of classroom, study skills, and strategies for dealing with the culturally different student are emphasized.

Typically Offered: Fall, Spring, Summer.

EDUC 390. Methods of Teaching ELL. 2 Credits.

A methods course where students are required to demonstrate their proficiency in language pedagogy specifically adapting mainstream classroom content's comprehensibility for English language learners (ELL). Students are required to demonstrate their proficiency implementing sheltered content instruction (SDAIE or SIOP).

Typically Offered: Spring.

Prerequisites: EDUC 361; Admission to Teacher Education.

EDUC 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

EDUC 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

EDUC 400. Educational Psychology. 2 Credits.

A study of how students learn and how effective teaching assists the learning process. Units of instruction include learning styles, information processing and cognitive skills development, classroom management, motivation, and assessment of student learning.

Typically Offered: Fall, Spring, Summer.

Prerequisite: Admitted to Teacher Education.

EDUC 430. Diagnosis and Correction of Reading Difficulties. 3 Credits.

A course designed to increase teachers' knowledge and skills of how to be effective reading teachers. Emphasis is placed on the diagnosis of reading strengths and weaknesses and materials and techniques for corrective/remedial instruction, including preparation on implementing interventions and strategies after the diagnosis of students.

Typically Offered: Fall, Spring, Summer.

Prerequisite: Admitted to Teacher Education .

Prerequisite or Corequisite: EDUC 323.

EDUC 431. Practicum in Corrective Reading (Elementary). 2 Credits.

Provides an opportunity for the advanced student to gain firsthand experience in public school remedial reading programs. Knowledge and skills concerning causes, diagnosis, and treatment of reading difficulties are put to practical use by incorporating interventions and strategies for struggling readers.

Typically Offered: Fall, Spring, Summer.

Prerequisite: Admitted to Teacher Education; .

Prerequisite or Corequisite: EDUC 430.

Grading: S/U only.

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EDUC 432. Practicum in Corrective Reading (Secondary). 2 Credits.

Provides an opportunity for the advanced student to gain firsthand experience in public school remedial reading programs. Knowledge and skills concerning causes, diagnosis, and treatment of reading problems are put to practical use.

Typically Offered: Fall, Spring, Summer.

Prerequisite or Corequisite: EDUC 430.

EDUC 433. Practicum and Assessment in Reading. 1 Credit.

This 30 hour practicum provides an opportunity for the student to gain first hand experience in public school corrective/remedial programs. Knowledge concerning courses, diagnosis, and treatment of reading problems is put to practical use. Students will have an opportunity to work intensively with individual students or small groups of students who are experiencing problems in learning how to read. This practicum provides pre-service teachers with an opportunity to apply what they have learned in the prerequisite reading courses.

Typically Offered: Fall, Spring.

Prerequisite or Corequisite: EDUC 430.

EDUC 435. Kindergarten Education and Curriculum. 4 Credits.

A study of techniques and procedures for teaching kindergarten. The curriculum areas of social science, math, health, safety, expressive arts, and language arts are explored. Materials and methods are examined as well as organizational and management procedures appropriate to the preschool kindergarten child.

Typically Offered: Spring, Summer.

Prerequisite: Admitted to Teacher Education.

EDUC 450. Trends in Assessment and Educational Issues. 2 Credits.

A study of current issues and trends with an emphasis on assessment. The course focuses on formative and summative evaluation processes, comprehensive assessment strategies to measure student learning, holistic plans to determine student grades, state and national assessments, use of assessment data to determine curricular decisions and current issues with a significant impact on education.

Typically Offered: Fall, Spring, Summer.

Prerequisite: Admitted to Teacher Education.

EDUC 464. Practicum in the ELL Classroom. 2 Credits.

An opportunity for a practicum/classroom experience in a linguistically diverse setting. Students observe, teach, and work closely with a teacher as well as with students from diverse primary language backgrounds.

Typically Offered: Fall, Spring.

Prerequisite: EDUC 390.

EDUC 470. Methods of Teaching in the Middle School. 3 Credits.

Focused on strategies used in exemplary middle school teaching that are appropriate for young adolescent learners. The course provides students with an opportunity to learn and develop the knowledge and skills necessary to achieve teaching competency.

Typically Offered: Summer.

Prerequisite: Admitted to Teacher Education.

EDUC 475. Student Teaching (Secondary). 5 Credits.

Observation, teaching, and other experiences related to teaching in the secondary school.

Typically Offered: Fall, Spring.

Prerequisite: Admitted to Student Teaching.

Grading: S/U only.

EDUC 480. Student Teaching (Secondary). 10 Credits.

Observation, teaching and other experiences related to teaching. The student in secondary education spends twelve weeks of the senior year student teaching. K-12 majors will gain experience at the elementary and secondary levels.

Typically Offered: Fall, Spring.

Prerequisite: Admitted to Student Teaching.

Grading: S/U only.

EDUC 485. Student Teaching (Elementary). 5 Credits.

Observation, teaching, and other experiences related to teaching in the elementary school.

Typically Offered: Fall, Spring.

Prerequisite: Admitted to Student Teaching.

Grading: S/U only.

EDUC 490. Student Teaching (Elementary). 10 Credits.

Observation, teaching, and other experiences related to teaching. The student in elementary education spends twelve weeks of the senior year student teaching.

Typically Offered: Fall, Spring.

Prerequisite: Admitted to Student Teaching.

Grading: S/U only.

EDUC 491. Senior Portfolio. 1 Credit.

A course to assist the student in developing a Teaching for Learning Capstone unit during student teaching and a digital portfolio for graduation. The course addresses both technical application and content.

Typically Offered: Fall, Spring.

Grading: S/U only.

EDUC 492. Clinical Practice. 2-12 Credits.

A supervised Clinical Practice used in place of student teaching when the Clinical Practice can be used to satisfy the requirements for licensure.

Typically Offered: Fall, Spring.

Grading: S/U only.

Repeatable: Up to 12 Credits.

EDUC 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

EDUC 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

EDUC 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

LMIS 250. Introduction to the Library's Essential Role in Schools. 3 Credits.

An introduction to library types and services, the roles of the school librarian and the library program as an essential part of the learning community as well as an introduction to intellectual freedom and information technology as they relate to an inclusive school library community.

Typically Offered: Fall; Summer odd years.

LMIS 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

LMIS 360. Collection Development. 3 Credits.

An examination of the basic principles of selection and evaluation of library materials in a variety of formats, study and practice in the use of selection aids, and the development of collection policies and procedures to ensure the school library collection is diverse and inclusive, accessible and meets the information needs of a wide range of learners for both academic and personal interests.

Typically Offered: Spring; summer odd years.

LMIS 365. The Organization of Information. 3 Credits.

An introduction to the principles and theories of library cataloging, practical experience in the use of standard descriptive and subject cataloging, classification and MARC bibliographic format to support 24/7 access of materials to an inclusive school library community.

Typically Offered: Spring; Summer even years.

LMIS 370. Reference Sources and Services. 3 Credits.

An exploration of the reference role of the school librarian in collaborating with the learning community to actively engage learners in research, critical thinking and the inquiry process. Candidates will learn strategies to provide access to and support the needs of a diverse learning community, model and foster the ethical use of information, and promote digital citizenship.

Typically Offered: Fall; Summer even years.

LMIS 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

LMIS 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

LMIS 430. Administration of the School Library. 3 Credits.

A study of the purpose and function of a school library program and the principles of library management including leadership, advocacy, ethical practice, and evidence-based decision making to evaluate and inform library policies, resources and services in inclusive learning environments.

Typically Offered: Spring; Summer even years.

LMIS 445. Standards for Effective Libraries. 3 Credits.

An introduction and investigation of national and state curricular and library standards, with a focus on teaching and learning strategies which meet the diverse needs and development of all learners. Instructional strategies that integrate information literacy into the curriculum, support student-centered inquiry learning, ethical use of information and foster collaboration among librarians and classroom teachers are examined.

Typically Offered: Fall.

LMIS 470. Current Issues in Librarianship. 3 Credits.

An exploration of emerging school library trends with a focus on current issues related to diverse learners, inclusive technology-enabled environments, media literacy and digital citizenship, and professional learning.

Typically Offered: Spring; summer odd years.

LMIS 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

LMIS 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

LMIS 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

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SPED 310. Behavior Modification. 3 Credits.

Introduction to basic principles and techniques of behavior modification. Emphasis is placed on the use of behavior modification techniques in self-management, education, child rearing, and helping professions. Cross-referenced with PSYC 310

Typically Offered: Spring.

Prerequisite: PSYC 111.

Same As: PSYC 310/SPED 310.

SPED 333. Assessment of Students with Disabilities. 3 Credits.

A course in assessment for those who will be required to understand and use assessment data for students in all educational settings including students with disabilities. The course covers basic assessment concepts and evaluation of standardized tests and their use in decision making in regular and special education settings.

Typically Offered: Fall, Spring.

Prerequisite: SPED 340.

SPED 340. Learning Disabilities, Emotional Disorders, and Intellectual Disabilities. 3 Credits.

A study of psychological and educational research findings pertaining to the child with a learning disability, emotional disturbance, and intellectual disabilities. Emphasis is given to current research and a schools responsibility to provide for a free and appropriate education in least restrictive environment. The course will introduce legal requirements, history and evolution of laws impacting the field of special education, including the Individuals with Disabilities Education (IDEA) Improvement Act of 2004 and No Child Left Behind (NCLB) Act related to special education services.

Typically Offered: Fall, Spring, Summer.

Prerequisite: EDUC 240.

SPED 380. Collaboration, Consultation, and Transition Planning for Students with Disabilities. 3 Credits.

This introductory course designed to prepare special education personnel, classroom teachers, paraeducators and other school district staff in collaborative school consultation and teamwork in serving the educational needs of students at all levels, including the transition planning needs of secondary students.

Typically Offered: Fall, Summer.

Prerequisites: Admitted to Teacher Education and SPED 340.

SPED 382. Methods and Materials of SLD. 2 Credits.

Methods and materials of SLD is designed to prepare students with information to help them make appropriate decisions concerning students with learning problems. The course is designed to ensure that students (especially students with disabilities) receive the instruction and support (including assistive technology) they need to be successful. Along with learning to establish responsive learning environments (RTI), students will learn to promote social-emotional behaviors and to teach academic skills adapted to the students' unique needs.

Typically Offered: Fall.

Prerequisites: Admitted to Teacher Education and SPED 340.

SPED 383. Methods and Materials of ED. 2 Credits.

Methods and materials of ED is designed to prepare students with information to help them make appropriate decisions concerning students with emotional or behavioral problems. The course is designed to ensure that students (especially students with disabilities) receive the instruction and support (including assistive technology) they need to be successful. Along with learning to establish responsive learning environments (RTI), students will learn to promote social-emotional behaviors.

Typically Offered: Fall, Spring.

Prerequisites: Admitted to Teacher Education and SPED 340.

SPED 384. Methods and Materials of ID. 2 Credits.

Methods and materials ID is designed to prepare students with information to help them make appropriate decisions concerning students with cognitive impairments and/or developmental delays. The course is designed to ensure that students (especially students with disabilities) receive the instruction and support (including assistive technology) they need to be successful. Along with learning to establish responsive learning environments (RTI), students will learn to promote social, emotional and behaviors and to teach academic skills adapted to the students unique needs.

Typically Offered: Spring.

Prerequisites: Admitted to Teacher Education and EDUC 240; .

Prerequisite or Corequisite: SPED 340.

SPED 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 4 Credits.

SPED 486. Special Education Student Teaching in SLD, ED, ID, and Assessment. 5 Credits.

SPED 486 Student Teaching (5) Students will spend six weeks teaching students with SLD, ED, and ID disabilities. This course is designed to provide students with a concentrated applied experience teaching in K-12 special education settings. The students will experience the responsibility of a Special Education Strategist under the direction of a university supervisor and a cooperating teacher.

Typically Offered: Fall, Spring.

Prerequisite: Admission to Teacher Education and Student Teaching. Completion of SPED 333, SPED 340, SPED 380, SPED 382, SPED 383, SPED 384, EDUC 430, PSYC 310.

Grading: S/U only.

Undergraduate Programs

Majors/Programs (<http://catalog.vcsu.edu/majors-programs/>)

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Applied Kinesiology

About this Composite Major

The Applied Kinesiology concentration is designed for students interested in careers in non-teaching physical education, health education, and other fitness-related fields. The program is a part of the Kinesiology and Human Performance Department. Students enrolled in the program will develop an understanding of health and fitness-related services by providing students with field experiences mentored by professionals from their chosen fields.

The program of study aims to develop the concepts and theories of sport activities, along with the health and wellness behaviors of the general public. Students will acquire the skills needed to develop and/or assist other health and fitness professionals in publicly or privately owned and operated businesses.

Meet a Student



Modifying activity for my students was something that my learning in KHP helped me to do. I learned about different ways to challenge my students, but also learned about ways to modify activities for them to be able to gain confidence in their skills as well. - Katie Juarez, Angels Camp, California

Career Opportunities

2,557 jobs

listed in the upper Midwest in this field last year

\$44,000

median salary for degree holders

A degree in Applied Kinesiology from VCSU can open up opportunities you never thought possible. Career opportunities with an Applied Kinesiology degree can include:

- Personal Trainer
- Fitness Instructor
- Coach
- Director of Rehabilitation
- Vocational Rehabilitation
- Counselor
- Recreational Therapist
- Occupational Therapist



Get Involved in your Major

The Exercise Science Club provides students in the fitness, exercise science, and wellness fields opportunities to discuss current topics in the profession and provide community outreach programs.

Contact Information

Department Chair and Faculty Contact

Dr. Rachelle Hunt, rachelle.hunt@vcsu.edu, (701) 845-7260

Campus Location

Gaukler Family Wellness & Physical Education Center 149,
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About VCSU

Our Foundation

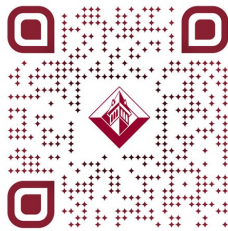
VCSU isn't just a place to get an education – it's a community built on tradition that is powered by bright, innovative students who bring new ideas and potential.

Our Students

Here, students can be individuals and embrace their genuine selves while taking advantage of opportunities only VCSU can provide. Take a look at our unique make-up of individuals from all over the globe and different backgrounds, and see what makes us a favored landing place for talented students. VCSU is a launchpad that will help students leap into their careers or prepare them for graduate-level education.

Our Mission

From our humble history as a teacher's college to our modern, accredited university with over 65 areas of study, we use our focus on technology to make information easy to access and to follow our vision – delivering distinctive, learner-centered experiences.



**Learn more
about studying
Applied
Kinesiology at
Valley City State
University**

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy (Gen Ed)		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

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ENGL 261	American Literature I
ENGL 262	American Literature II
HUM 201	Civilization, Thought, and Literary Heritage
PSYC 200	Ethics and Philosophy of Science
SPAN 101	1st Year Spanish I
SPAN 102	1st Year Spanish II
SPAN 201	2nd Year Spanish I
SPAN 202	2nd Year Spanish II
THEA 110	Introduction to Theatre Arts

Art and Music

Select one of the following: 3

ART 110	Introduction to the Visual Arts
ART 115	Introduction to Digital Media
ART 210	Art History I
ART 211	Art History II
ART 233	History of Craft
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 206	World Music
MUS 207	History of Rock and Roll

Social Science

Select 6 credits from the following: 6

COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology ¹
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

¹ Required

Major Requirements

Code	Title	Credits
Required Courses		
HPER 108	Exercise Techniques for Resistance Training	1

HPER 207	Prevention and Care of Athletic Injuries	2
HPER 208	Introduction to Physical Education	3
or HPER 127	Introduction to Kinesiology	
HPER 210	First Aid & CPR	1
HPER 308	Introduction to Nutrition	3
HPER 410	Organization and Administration of Physical Education and Sport	3
or HPER 438	Organization and Administration for Kinesiology	

Directed Electives 39

HPER 109	Exercise Techniques and Program Design
HPER 128	Communication for Health Care Professionals
HPER 206	Fundamentals of Teaching Health and Physical Education
HPER 215	Motor Behavior
HPER 220	Practical Application of Fitness Education
HPER 222	Recreation and Leisure in Modern Society
HPER 225	Leadership in Sport
HPER 226	Recognition of Orthopedic Injuries I
HPER 227	Recognition of Orthopedic Injuries II
HPER 258	Applied Anatomy, Physiology, and Human Performance
HPER 259	Applied Anatomy, Physiology, and Human Performance
HPER 285	Introduction to Adapted Physical Education
HPER 300	Drug Education and Information
HPER 307	Philosophy and Application of Coaching
HPER 309	Sport Nutrition Concepts
HPER 311	Emergency Response Management
HPER 314	Activities for the Physical Educator
HPER 315	Communicable and Non-Communicable Diseases
HPER 326	Therapeutic Modalities
HPER 328	Therapeutic Exercise
HPER 332	Foundations of Clinical Medicine
HPER 335	Legal Aspects of Sport
HPER 338	Modern Sports Officiating
HPER 350	Sport Ethics
HPER 384	Fitness Assessment and Prescription
HPER 388	Outdoor Pursuits for the Physical Educator
HPER 400	Current Issues in Community Health
HPER 415	Sport Governance and Policy
HPER 444	Exercise Physiology of Peak Performances
HPER 454	Evidence-Based Practice
HPER 487	Field Experience

Total Credits 52

Total General Education 39 Hrs

Total Major Requirement 52 Hrs

Total Credits Needed to Graduate 120 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year

Fall	Credits	Spring	Credits
English Composition (Gen Ed)	3	ENGL 125 (Gen Ed)	3
HPER 100 or 212 (Gen Ed)	2	Art and Music (Gen Ed)	3
MATH 104, 107, or 210 (Gen Ed)	3	Lab Science (Gen Ed)	4
Computer Science and Literacy (Gen Ed)	3	Speech Communication (Gen Ed)	3
UNIV 150	1	HPER 108	1

HPER 127 or 208	3	HPER 207	2
	15		16
Second Year			
Fall		Credits Spring	Credits
PSYC 111 (Gen Ed)	3	Literacies (Gen Ed)	3
Directed Electives	6	Social Science (Gen Ed)	3
Electives	6	Directive Electives	6
		Electives	3
	15		15
Third Year			
Fall		Credits Spring	Credits
HPER 308	3	HPER 210	1
Lab Science (Gen Ed)	4	Directed Electives	9
Directed Electives	6	Electives	5
Electives	3		
	16		15
Fourth Year			
Fall		Credits Spring	Credits
Additional Humanities (Gen Ed)	2	HPER 438 or 410	3
Directed Electives	6	Directed Elective	6
Electives	6	Electives	6
	14		15
Total Credits 121			

Learning Outcomes

1. Students will demonstrate the ability to use content principles in practical applications concerning aspects of fitness and/or wellness.
2. Students will be able to related evolving patterns in the American Society and the need for physical activities.
3. Students will be able to articulate and defend personal perspectives as related to sport.

Art

About this Composite Major

The Art major at Valley City State University is designed to nurture a student's natural ability in the studio arts into professional skills. Students develop strengths and interests in various areas of the arts by building technical skills, material exploration, and the study of contemporary and historical art movements and practices. The skills learned in this area of study prepare students for many arts-related careers.

Coursework includes art business, art history, ceramics, drawing, digital photography, digital design, painting, printmaking, and sculpture. Students find an area of expertise and build a professional skill set to open many career paths.

Meet A Student

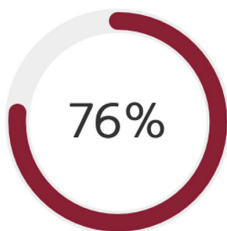


"The Art Department provide a lot of techniques in the wide variety of areas to study such as painting, printmaking, ceramics, sculpture, and drawing. I have already learned so much from the VCSU Art Department and will transfer my technical, communication, and practical skills with me when I teach our youth as an art educator." -Nicole Hurt, '23, Hillsboro, ND.

Jobs with an Art Degree

1,995

jobs posted in the art field in the last year



of jobs posted in this field require a bachelor's degree

The Art Program prepares students for opportunities in the field such as:

- Entrepreneurship
- Museum and Gallery work
- Art non-profits management
- Graduate degrees
- Illustration

Beautiful Studio Spaces



The brand-new Center for the Arts houses all art workspaces including:

- ceramics lab
- printmaking studio
- painting and drawing studios
- digital design lab
- digital photography studio
- woodshop

Get Involved in your Major

Join university organizations such as VCSU Art Alliance to meet other creative minds on campus. Students are also encouraged to join professional organizations in their field such as

- o American Craft Council (<https://www.craftcouncil.org/>)
- o College Art Association (<https://www.collegeart.org/>)
- o International Sculpture Center (<https://sculpture.org/>)
- o Foundations in Art: Theory and Education (<https://wwwFOUNDATIONSART.org/>)

Contact Information

Department Chair and Faculty Contact

Angela Mircsov, angela.mircsov@vcsu.edu, (701) 845-7564

Campus Location

Center for the Arts, (701) 845-7272

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<https://visit.vcsu.edu/>

(701) 845-7101 or (800) 532-8641, ext. 7101

About VCSU

Our Foundation

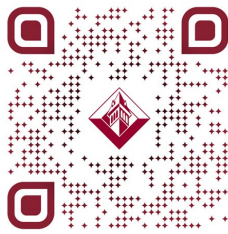
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Our Students

Here, students can be individuals and embrace their genuine selves while taking advantage of opportunities only VCSU can provide. Take a look at our unique make-up of individuals from all over the globe and different backgrounds, and see what makes us a favored landing place for talented students. VCSU is a launchpad that will help students leap into their careers or prepare them for graduate-level education.

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**Learn more
about studying
Art at Valley City
State University**

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
or ENGL 12!Introduction to Professional Writing		
or		
ENGL 120	College Composition II	
or ENGL 12!Introduction to Professional Writing		
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	

CHEM 115	Introductory Chemistry
CHEM 116	Introduction to Organic and Biochemistry
CHEM 121	General Chemistry I
CHEM 122	General Chemistry II
GEOL 100	Introduction to Earth Science
GEOL 106	The Earth Through Time
PHYS 100	Concepts of Physics
PHYS 110	Introductory Astronomy
PHYS 211	College Physics I
PHYS 212	College Physics II
PHYS 251	University Physics I
PHYS 252	University Physics II
PSYC 240	Cognition and Brain Science
TECH 161	Technology, Engineering, and Design

Wellness

Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	

Computer Science and Literacy

Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	

Humanities

Literacies

Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	
ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	

Art and Music

Select one of the following:		3
ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 206	World Music	
MUS 207	History of Rock and Roll	

Social Science

Select 6 credits from the following:		6
COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
GEOG 151	Human Geography	
HIST 103	United States to 1877	
HIST 104	United States to Present	
HIST 211	World Civilizations to 1500	

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HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2 or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

Major Requirements

Code	Title	Credits
------	-------	---------

Required Courses

ART 120	Painting I	3
ART 122	Two Dimensional Design	3
ART 124	Three Dimensional Design	3
ART 130	Drawing I	3
ART 150	Ceramics I	3
ART 170	Printmaking I	3
ART 180	Photography I	3
ART 230	Drawing II	3
ART 265	Sculpture I	3
ART 309	Art Business	3
ART 491	Visual Arts Seminar	2
ART 492	Visual Arts Capstone	2

Select 4 classes in Art History from the following: ¹ 12

ART 210	Art History I
ART 211	Art History II
ART 233	History of Craft
ART 311	Art History III
ART 345	History of Graphic Design
ART 411	Art History IV

Electives

Select 21 hours from the following: 21

ART 115	Introduction to Digital Media
ART 215	Graphic Design I
ART 221	Painting II
ART 225	Digital Imaging I
ART 235	Digital Illustration I
ART 251	Ceramics II
ART 266	Sculpture II
ART 271	Printmaking II
ART 280	Photography II
ART 351	Ceramics III
ART 321	Painting III
ART 330	Drawing III
ART 366	Sculpture III
ART 371	Printmaking III

ART 380	Photography III
ART 397	VCSU CSA Internship
ART 399	Special Topics
ART 420	Advanced Research Studio
ART 494	Undergraduate Research
ART 497	Internship
STEM ED 331	Innovation and Engineering Design
STEM ED 431	Design for Engineering
TECH 330	Exploring Technology Through PLTW

Total Credits 67

¹ Students may take one Art History as an elective

Total General Education Requirement 39 Hrs

Total Major Requirement 67 Hrs

Total Credits Needed to Graduate 120 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year

Fall	Credits	Spring	Credits
ART 122	3	ART 124	3
ART 150 or 180	3	ART 130	3
ENGL 110 (Gen Ed)	3	ENGL 120 or 125 (Gen Ed)	3
Social Science (Gen Ed)	3	Lab Science (Gen Ed)	4
Computer Science and Literacy (Gen Ed)	3	Speech Communication (Gen Ed)	3
UNIV 150	1		
16		16	

Second Year

Fall	Credits	Spring	Credits
ART 150 or 180	3	ART 120 or 170	3
ART 230	3	ART 265	3
Art History Selection	3	Art History Selection	3
MATH 104 (Gen Ed)	3	Lab Science (Gen Ed)	4
Social Science (Gen Ed)	3	Wellness (Gen Ed)	2
15		15	

Third Year

Fall	Credits	Spring	Credits
Additional Humanities or Social Science (Gen Ed)	2	ART 120 or 170	3
Art Elective	6	ART 309	3
Art History Selection	3	ART 491	2
Literacies (Gen Ed)	3	Art and Music (Gen Ed)	3
		Art Elective	3
		Art History Selection	3
14		17	

Fourth Year

Fall	Credits	Spring	Credits
Additional Elective	6	Additional Elective	9
Art Elective	9	ART 492	2

Art Elective	3
15	14

Total Credits 122

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

- 1. Students will demonstrate proficiency in the studio arts.
- 2. Students will be able to demonstrate proficiency in professional skills leading to careers in the arts-related or nonprofit sector.
- 3. Students will demonstrate an awareness of the social impact of art by contributing to the cultural environment of the campus and community.
- 4. Students will demonstrate an understanding of historical and contemporary world art dialogues.
- 5. Students will demonstrate professional preparedness.

Art Education

About this Composite Major

The Art Education major prepares students to teach various studio art topics in elementary and secondary classrooms.

A survey of coursework in art history, ceramics, digital photography, digital design, drawing, painting, printmaking, and sculpture provides students with a broad range of skills to develop their creative voices while preparing for their future classrooms. Coursework culminates in the Visual Art Capstone project.

Students further prepare for future careers in education by completing the Professional Education Sequence through the School of Education, including the Student Teaching Field Experience and the Teaching for Learning Capstone. Professional development opportunities include internships, community teaching opportunities, and involvement with the VCSU Art Alliance. Alumni go on to rewarding careers in K-12 education, higher education, and community art centers and studios.

Meet A Student

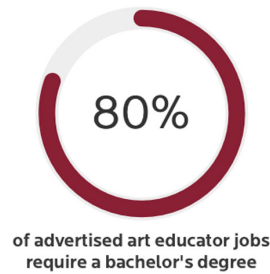


For me, art has always been a way for me to share my own thoughts and feelings. I always want to make sure that when I portray my thoughts and feelings through my pieces that I also allow others the space to be able to interpret their own thoughts and interpretations as well. I believe each artist should know exactly what they are trying to portray and be able to reach his or her audience in a meaningful way." -Hannah Aberle, '22, Valley City, ND.

Accreditations

- Council for the Accreditation of Educator Preparation (CAEP)

Career Educators



\$45,000

median salary for an Art Teacher

A degree in art education will propel you into your future as an art educator and can equip you with the skills to succeed. There are multiple career fields available to graduates in art education including:

- Teaching art in any school setting, including K-12
- Art education program director
- Careers and other paths in art therapy
- Private art lesson instructor



Get Involved in your Major

Join university organizations such as VCSU Art Alliance at VCSU and take part in Kappa Delta Pi (KDP) and Student North Dakota United (SNDU).

Students are also encouraged to join professional organizations in their field such as:

- National Art Education Association
- Arts Education Partnership
- International Art Education Association.
- National Council on Education for the Ceramic Arts (<https://nceca.net/>)
- American Association of College for Teacher Education (<https://aacte.org/>)

Teacher Education Requirements

Students are typically admitted into Teacher Education during their sophomore year or at the beginning of their junior year of college. This program requires a minimum cumulative GPA of 2.75 or higher and successful completion of the Praxis I test. Additional criteria for Admission to Teacher Education can be found on the Education and Graduate Studies website (<https://www.vcsu.edu/departments/education-and-graduate-studies/>).

Contact Information

Department Chair

Angela Mircsov, angela.mircsov@vcsu.edu, (701) 845-7564

Faculty Contact

Gratia Brown, gratia.brown@vcsu.edu, (701) 845-7567

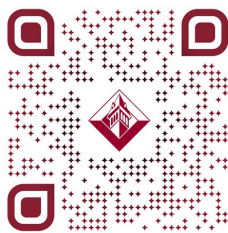
Department Location

Center for the Arts, (701) 845-7272

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<https://visit.vcsu.edu/>

(701) 845-7101 or (800) 532-8641, ext. 7101



**Learn more
about studying
Art Education
at Valley City
State University**

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		

Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	
ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	
Art and Music		
Select one of the following:		3
ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 206	World Music	
MUS 207	History of Rock and Roll	
Social Science		
Select 6 credits from the following:		6
COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics	

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ECON 202	Principles of Macroeconomics
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

Major Requirements

Code	Title	Credits
Required Courses		
ART 115	Introduction to Digital Media	3
ART 120	Painting I	3
or ART 230	Drawing II	
ART 122	Two Dimensional Design	3
ART 124	Three Dimensional Design	3
ART 130	Drawing I	3
ART 150	Ceramics I	3
or ART 265	Sculpture I	
ART 170	Printmaking I	3
ART 180	Photography I	3
ART 210	Art History I	3
ART 211	Art History II	3
ART 311	Art History III	3
or ART 411	Art History IV	
ART 390	Art Methods	4
ART 491	Visual Arts Seminar	2
ART 492	Visual Arts Capstone	2

Electives

Select six hours from the following: 6

ART 215	Graphic Design I
ART 221	Painting II
ART 225	Digital Imaging I
ART 233	History of Craft
ART 235	Digital Illustration I
ART 245	Introduction to Web Design
ART 251	Ceramics II
ART 265	Sculpture I
ART 266	Sculpture II
ART 271	Printmaking II

ART 280	Photography II
ART 309	Art Business
ART 311	Art History III
ART 321	Painting III
ART 330	Drawing III
ART 345	History of Graphic Design
ART 351	Ceramics III
ART 366	Sculpture III
ART 371	Printmaking III
ART 380	Photography III
ART 394	Independent Study
ART 397	VCSU CSA Internship
ART 399	Special Topics
ART 411	Art History IV
ART 420	Advanced Research Studio
ART 494	Undergraduate Research
ART 497	Internship
ART 499	Special Topics

Total Credits 47

Students are placed in an elementary and secondary classroom during the Student Teaching Field Experience.

Total General Education 39 Hrs

Total Major Requirement 47 Hrs

Total Professional Education Sequence 32-33 Hrs

Total Credits Needed to Graduate 120 Hrs

Professional Education Sequence

Code	Title	Credits
Professional Education Sequence		
EDUC 240	Educating Exceptional Students	3
EDUC 250	Introduction to Education	3
EDUC 283	Understanding Cultural Diversity in Education	3
EDUC 300	Educational Technology	2
EDUC 351	Secondary Practicum and Classroom Management	1
EDUC 352	Culturally Diverse Practicum	1
or EDUC 464	Practicum in the ELL Classroom	
EDUC 375	Teaching Reading in the Content Areas	2
EDUC 400	Educational Psychology	2
EDUC 450	Trends in Assessment and Educational Issues	2
EDUC 480	Student Teaching (Secondary)	10
PSYC 250	Developmental Psychology	3
Total Credits		32

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year

Fall	Credits	Spring	Credits
ART 122	3	ART 130	3
ART 150 or 180	3	Communication (Gen Ed)	3
ENGL 110 (Gen Ed)	3	ENGL 120 (Gen Ed)	3
Social Science (Gen Ed)	3	Lab Science (Gen Ed)	4
Computer Science and Literacy (Gen Ed)	3	MATH 104 (Gen Ed)	3
UNIV 150	1		
16		16	

Second Year

Fall	Credits	Fall	Credits
ART 180 or 150	3	ART 120 or 170	3
Art and Music (Gen Ed)	3	Art History Selection	3
Art History Section	3	EDUC 240	3
EDUC 250	3	Lab Science (Gen Ed)	4
HPER 100 or 212 (Gen Ed)	2	PSYC 250	3
Social Science (Gen Ed)	3		
	17		16

Third Year

Fall	Credits	Fall	Credits
ART 230	3	ART 120 or 170	3
ART 390	4	ART 265	3
Art Elective	3	ART 491	2
Art History Selection	3	EDUC 352	1
EDUC 283	3	EDUC 375	2
EDUC 300	2	Literacies (Gen Ed)	3
	18		14

Fourth Year

Fall	Credits	Fall	Credits
Additional Electives	6	ART 492	2
Additional Humanities or Social Science (Gen Ed)	2	EDUC 480	10
Art Elective	2		
EDUC 351	1		
EDUC 352 or 464	1		
EDUC 400	2		
EDUC 450	2		
	16		12

Total Credits 125

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. Students will demonstrate competency in art education practice including curriculum planning, use of technology, and classroom management.
2. Students will demonstrate an understanding of the historical and contemporary world art dialogues.
3. Students will demonstrate an awareness of the social impact of art by contributing to the cultural environment of the campus and community
4. Students will demonstrate proficiency in the studio arts.
5. Students will demonstrate professional preparedness.

B.A.S. — Management

About this Major

The Bachelor of Applied Science (BAS) of Management program is designed to provide students with the management and leadership skills necessary for successful career advancement in trade, industry, and health occupations. The primary objective of this program is to provide a balanced, flexible education.

To enroll in the BAS of Management program, students must have completed an identified technical specialty in trade, industry, or health occupations. A technical specialty constitutes the completion of 36 transferable credits in trade, industry, or health occupations **or** 26 transferable credits in the trade, industry, and health occupations and 5000 hours of work experience in a technical field.

The BAS of Management degree allows students to integrate their technical specialty area directly into their pursuit of a bachelor's degree.



Get Involved in your Major

There are various clubs on campus including a Business Club. This organization allows business students to choose the specific focus of their time and energy to enhance their educational experiences. Club activities often create networking opportunities and real-life experiences to better prepare students for the job market of their choice.

Practical Experience

Students are encouraged to earn credits by extending their learning beyond the classroom. Job shadowing opportunities exist that allow students to observe the performance of employees in careers related to their area of study. Students will have the opportunity to participate in tours, workshops, fairs, and conferences.

An internship can be a part of a student's academic program and can take place any semester after the sophomore year for up to 12 credits. Student interns gain hands-on workplace

experience, have opportunities to network with professionals, and may be offered a full-time position. Area organizations that have offered internships to VCSU students include Bank Forward, Dacotah Bank, Doosan Bobcat, Enterprise Rent-A-Car, FEI, Inc., GoPro, Menards, Sodexo, USDA Farm Service Agency, and USDA Rural Development.

Contact Information

Department Chair and Faculty Contact

Brenda Tyre, brenda.tyre@vcsu.edu, (701) 845-7515

Department Location

Vangstad 125, (701) 845-7515

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<http://visit.vcsu.edu/>

(701) 845-7101 or (800) 532-8641, ext. 7101

About VCSU

Our Foundation

VCSU isn't just a place to get an education – it's a community built on tradition that is powered by bright, innovative students who bring new ideas and potential.

Our Students

Here, students can be individuals and embrace their genuine selves while taking advantage of opportunities only VCSU can provide. Take a look at our unique make-up of individuals from all over the globe and different backgrounds, and see what makes us a favored landing place for talented students. VCSU is a launchpad that will help students leap into their careers or prepare them for graduate-level education.

Our Mission

From our humble history as a teacher's college to our modern, accredited university with over 65 areas of study, we use our focus on technology to make information easy to access and to follow our vision – delivering distinctive, learner-centered experiences.

B.A.S. - Management

The BAS of Management program is designed to provide students with the management and leadership skills necessary for successful career advancement in trade, industry, and health occupations. The primary objective of this program is to provide a balanced, flexible education.

General Education Requirements

Code	Title	Credits
English Composition		
ENGL 110	College Composition I	3
ENGL 125	Introduction to Professional Writing	3
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
From the General Education Requirements menu https://nextcatalog.vcsu.edu/undergraduate-catalog/academic-affairs/general-education/#genedcoursestext , select one course from each of the following requirement areas:		
Mathematics		3
MATH 210	Elementary Statistics ¹	
Lab Science		4
Computer Science and Literacy		3
Humanities Literacies or Art or Music		3
Social Science		3
Additional General Education		
Select 11 credits from the following:		11
Additional general education courses from the Math, Lab Science, Computer Science and Literacy, or Social Science requirement areas		
Total Credits		36

¹ Recommended

Major Requirements

Code	Title	Credits
Specialty Area ¹		36-44
Communication		
COMM 304	Corporate Training	3
COMM 311	Communication and Interviewing	3
COMM 483	Organizational Communication	3
Computer Science and Literacy		
CIS 329	Information Systems Management	3
CIS 369	Enterprise Systems	3
SE 381	Project Management	3
Business Management		
ACCT 200	Elements of Accounting I	3
ACCT 201	Elements of Accounting II	3
ACCT 315	Business in the Legal Environment	3
BUSI 350	Operations Management	3
BUSI 480	Strategic Planning	3
MGMT 270	Business Ethics	3
MGMT 460	International Business	3
MGMT 330	Principles of Management	3
MGMT 340	Human Resource Management	3
MGMT 372	Foundations of Leadership	3
Total Credits		84-92

¹ To enroll in the BAS of Management program, students must have completed an identified technical specialty in

trade, industry, or health occupations. A technical specialty constitutes the completion of 36 transferable credits in trade, industry, or health occupations or 26 transferable credits in the trade, industry, and health occupations and 5000 hours of work experience in a technical field.

Total General Education 36 Hrs

Total Major Requirement 84-92 Hrs

Total Credits 120-128 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

Contact your advisor to create your individualized plan of study.

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B.A.S - Management Online Course Rotation

Fall Even Years

ACCT 200	Elements of Accounting I	3
ACCT 315	Business in the Legal Environment	3
BUSI 350	Operations Management	3
BUSI 497	Internship	3-12
CIS 369	Enterprise Systems	3
COMM 304	Corporate Training	3
COMM 311	Communication and Interviewing	3
MATH 210	Elementary Statistics	3
MGMT 372	Foundations of Leadership	3

Fall Odd Years

ACCT 200	Elements of Accounting I	3
ACCT 315	Business in the Legal Environment	3
BUSI 350	Operations Management	3
BUSI 497	Internship	3-12
CIS 369	Enterprise Systems	3
COMM 304	Corporate Training	3
COMM 311	Communication and Interviewing	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MGMT 340	Human Resource Management	3

Spring Even Years

ACCT 201	Elements of Accounting II	3
ACCT 315	Business in the Legal Environment	3
BUSI 480	Strategic Planning	3
BUSI 497	Internship	3-12
COMM 483	Organizational Communication	3
MATH 210	Elementary Statistics	3
MGMT 330	Principles of Management	3
MGMT 460	International Business	3

Spring Odd Years

ACCT 201	Elements of Accounting II	3
ACCT 315	Business in the Legal Environment	3
BUSI 480	Strategic Planning	3
BUSI 497	Internship	3-12
CIS 329	Information Systems Management	3
COMM 483	Organizational Communication	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MGMT 460	International Business	3

Summer Even Years

BUSI 350	Operations Management	3
BUSI 480	Strategic Planning	3
BUSI 497	Internship	3-12
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
SE 381	Project Management	3

Summer Odd Years

BUSI 497	Internship	3-12
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MGMT 460	International Business	3

B.A.S. - Management Face-to-Face Course Rotation

Fall Even Years

ACCT 200	Elements of Accounting I	3
BUSI 480	Strategic Planning	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MGMT 340	Human Resource Management	3
MGMT 460	International Business	3

Fall Odd Years

ACCT 200	Elements of Accounting I	3
BUSI 480	Strategic Planning	3
MATH 210	Elementary Statistics	3
MGMT 330	Principles of Management	3
MGMT 372	Foundations of Leadership	3
MGMT 460	International Business	3

Spring Even Years

ACCT 201	Elements of Accounting II	3
BUSI 350	Operations Management	3
CIS 329	Information Systems Management	3
CIS 369	Enterprise Systems	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
SE 381	Project Management	3

Spring Odd Years

ACCT 201	Elements of Accounting II	3
BUSI 350	Operations Management	3
MATH 210	Elementary Statistics	3
SE 381	Project Management	3

Learning Outcomes

Students will:

1. Demonstrate knowledge of core business functional areas.
2. Integrate the core areas of business to inform decision making.
3. Demonstrate professional business communication.
4. Demonstrate the ability to collaborate with diverse colleagues.
5. Apply legal and ethical principles in business to organizational decision making.
6. Demonstrate leadership skills.

B.U.S. — University Studies

About this Major

The Bachelor of University Studies degree is designed for students who want to customize their experience to fit their academic and career goals. It may be a good fit for those unsure of what they would like to pursue. This major allows students to develop a personalized degree program, and provides the ability to focus directly on individual goals, earn a four-year-degree, and move into the professional world successfully.

The Bachelor of University Studies program at VCSU ensures the opportunity to graduate with a four-year degree for students who began higher education with one plan, but those plans had to change for various reasons. This degree allows students to change majors but still graduate on time. This major adheres to the academic rigor befitting a four-year bachelor's degree and creates an objective of flexible career readiness. *To complete this degree, a student must complete a program of study that is approved by the program director and Vice President for Academic Affairs.*



Contact Information

Department Chair and Faculty Contact

Kaleen Peterson, kaleen.peterson@vcsu.edu, (701)845-7302

Department Location

McFarland 322B, (701)845-7302

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General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

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ENGL 261	American Literature I
ENGL 262	American Literature II
HUM 201	Civilization, Thought, and Literary Heritage
PSYC 200	Ethics and Philosophy of Science
SPAN 101	1st Year Spanish I
SPAN 102	1st Year Spanish II
SPAN 201	2nd Year Spanish I
SPAN 202	2nd Year Spanish II
THEA 110	Introduction to Theatre Arts

Art and Music

Select one of the following: 3

ART 110	Introduction to the Visual Arts
ART 115	Introduction to Digital Media
ART 210	Art History I
ART 211	Art History II
ART 233	History of Craft
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 206	World Music
MUS 207	History of Rock and Roll

Social Science

Select 6 credits from the following: 6

COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

Major Requirements

Code	Title	Credits
UNIV 491	University Studies Capstone	2
Upper Division Credits		34
Total Credits		36

The student must complete a program of study that is approved by the program director and Vice President for Academic Affairs.

Total General Education 39 Hrs

Total Major Requirement 36 Hrs

Total Credits Needed to Graduate 120 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year

Fall	Credits	Spring	Credits
English Composition (Gen Ed)	3	Art and Music (Gen Ed)	3
Mathematics (Gen Ed)	3	English Composition (Gen Ed)	3
Speech Communication (Gen Ed)	3	Lab Science (Gen Ed)	4
Computer Science and Literacy (Gen Ed)	3	Lower Division	3
Wellness (Gen Ed)	2	Social Science (Gen Ed)	3
UNIV 150	1		
	15		16

Second Year

Fall	Credits	Spring	Credits
Lab Science (Gen Ed)	4	Additional Humanities or Social Science (Gen Ed)	2
Literacies (Gen Ed)	3	Lower Division	3
Lower Division	3	Lower Division	3
Lower Division	3	Lower Division	3
Social Science (Gen Ed)	3	Upper Division	3
	16		14

Third Year

Fall	Credits	Spring	Credits
Lower Division	3	Lower Division	3
Lower Division	3	Lower Division	3
Lower Division	3	Lower Division	3
Upper Division	3	Upper Division	3
Upper Division	3	Upper Division	3
	15		15

Fourth Year

Fall	Credits	Spring	Credits
Lower Division	3	Lower Division	3
UNIV 491	2	Upper Division or Internship	3
Upper Division or Internship	3	Upper Division	3
Upper Division	3	Upper Division	3
Upper Division	3	Upper Division	3
	14		15

Total Credits 120

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. Students will develop the reflective skills necessary to understand their own development as students, professionals, and adults.
2. Students will learn the essential academic skills necessary to be successful at VCSU.
3. Students will develop the hard skills specific to their desired career goals and outcomes. In addition, students will work on developing dispositional attributes that are specific to the modern work climate.

Biology

About this Major

The Biology major is designed to give you a broad preparation and experience for a variety of biology-related fields. VCSU'S program emphasizes preparing students for professional schools and graduate work. Opportunities exist on and off campus to provide sound practical experiences, including work as student assistants, research experiences in our research labs, participation in the campus-tutoring programs, field studies, and biological travel tours.

Internships at numerous facilities (such as Northern Prairie Research Center, Mercy Hospital, and the Fish Hatchery) are available to you to develop and apply your skills. Classes involve field study in local areas such as the Valley City National Fish Hatchery, Lake Ashtabula, and the Sheyenne River Valley. VCSU has well-equipped research labs and you are encouraged to be involved in research. This program has hands-on opportunities that are usually reserved for graduate students. You have the chance to run the planetarium, conduct research, and gather samples. Students travel to regional and national scientific meetings to present on their current research. All faculty members in the program have earned their Ph.D. Several have research grants and research labs which they run with the assistance of VCSU students.

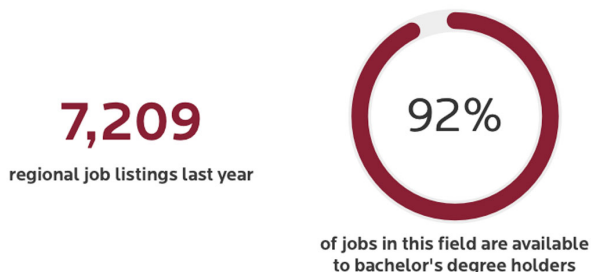
Meet a Student



VCSU's science department is amazing. I feel blessed to have all these fantastic teachers who come with real world experience under their belts. When I ask them a question, they are always so knowledgeable and willing to help you out. Alongside the awesome faculty, the classes take you out on outdoor experiences that help you further not only

your knowledge but the experience that employers are looking for." —Michaela Halvorson, Milnor, N.D.

Jobs with a Biology Degree



A Biology degree from VCSU comes with a wealth of potential – there are countless career paths to follow that build off of the solid educational foundation you earned. Some career options include:

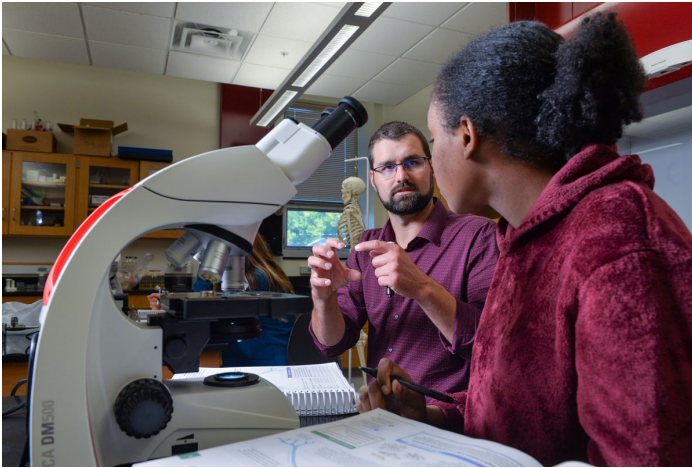
- Laboratory Technologist or Laboratory Manager
- Research Associate
- Biologist
- Biological Technician
- Medical Scientist
- Clinical Research Manager
- Natural Science Research Manager

Practical Experience

The Rhoades Science Center includes a greenhouse for work in biology and botany, a planetarium, and laboratories for terrestrial biology, aquatic biology, chemistry, earth science, and physics. In addition, students have access to:

- Fully equipped Aquatic Macroinvertebrate Laboratory and Biomedical Research Laboratory
- Weather stations
- River gauge station
- Fish hatchery as well as the dam and reservoir at Lake Ashtabula
- The Soil Conservation Service
- Biology faculty have ongoing connections with North Dakota Department of Health, N.D. Parks and Recreation, Northern Prairie Wildlife Research Center, and the US Army Corps of engineers and with faculty involved in graduate programs at UND and NDSU

Get Involved in your Major



You are invited to join the VCSU Pre-Professional Club. The club is for students interested in continuing their education in graduate school or professional programs such as medical school, physical therapy, chiropractic, optometry, and dentistry. This club provides support for students going through the application process and opportunities to practice aptitude tests such as the GRE, mCAT, LSAT, and DAT. There is also a Fisheries and Wildlife Conservation club which organizes trips and fundraisers. VCSU also has activities such as choir, band, and intramural athletics.

Contact Information

Department Chair

Dr. Nicholas Galt, nicholas.galt@vcsu.edu, (701) 845-7459

Faculty Contact

Dr. Nicholas Galt, nicholas.galt@vcsu.edu, (701) 845-7459

Campus Location

Rhoades Science Center 203, (701) 845-7452

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about studying
Biology at
Valley City State
University

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	

or ENGL 12!Introduction to Professional Writing

or

ENGL 120 College Composition II

or ENGL 12!Introduction to Professional Writing

ENGL 210 College Composition III: Persuasive Writing

Speech Communication

Select one of the following:

3

COMM 110 Fundamentals of Public Speaking

COMM 212 Interpersonal Communication

COMM 216 Intercultural Communication

Mathematics

Select one of the following:

3

MATH 103 College Algebra

MATH 104 Finite Mathematics

MATH 107 Precalculus

MATH 110 Mathematics in Society

MATH 165 Calculus I

MATH 210 Elementary Statistics

Lab Science

Select two of the following:

8

BIOL 111 Concepts of Biology

BIOL 150 General Biology I

BIOL 151 General Biology II

BIOL 170 General Zoology

CHEM 115 Introductory Chemistry

CHEM 116 Introduction to Organic and Biochemistry¹

CHEM 121 General Chemistry I¹

CHEM 122 General Chemistry II

GEOL 100 Introduction to Earth Science

GEOL 106 The Earth Through Time

PHYS 100 Concepts of Physics

PHYS 110 Introductory Astronomy

PHYS 211 College Physics I

PHYS 212 College Physics II

PHYS 251 University Physics I

PHYS 252 University Physics II

PSYC 240 Cognition and Brain Science

TECH 161 Technology, Engineering, and Design

Wellness

Select one of the following:

2

HPER 100 Concepts of Fitness and Wellness

HPER 212 Introduction to Stress Management

Computer Science and Literacy

Select one of the following:

3

CIS 170 Introduction to Computer Information Systems

CSCI 120 Introduction to Programming

CSCI 127 Introduction to Programming in Java

CSCI 160 Introduction to Structured Programming I

SE 110 Discovering Computing

Humanities

Literacies

Select one of the following:

3

COMM 211 Oral Interpretation

ENGL 220 Introduction to Literature

ENGL 225 Introduction to Film

ENGL 232 Mythology

ENGL 241 World Literature I

ENGL 242 World Literature II

ENGL 261 American Literature I

ENGL 262 American Literature II

HUM 201 Civilization, Thought, and Literary Heritage

PSYC 200 Ethics and Philosophy of Science

SPAN 101 1st Year Spanish I

SPAN 102 1st Year Spanish II

SPAN 201 2nd Year Spanish I

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SPAN 202	2nd Year Spanish II
THEA 110	Introduction to Theatre Arts

Art and Music

Select one of the following: 3

ART 110	Introduction to the Visual Arts
ART 115	Introduction to Digital Media
ART 210	Art History I
ART 211	Art History II
ART 233	History of Craft
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 206	World Music
MUS 207	History of Rock and Roll

Social Science

Select 6 credits from the following: 6

COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

¹ Required

Major Requirements

Code	Title	Credits
Required Courses		
BIOL 150	General Biology I	4
BIOL 151	General Biology II	4
BIOL 170	General Zoology	4
BIOL 311	Botany	4
BIOL 315	Genetics	4
BIOL 310	Microbiology	4
or BIOL 441	Cell Biology	
BIOL 410	Field Ecology	4

or BIOL 470	Limnology	
BIOL 491	Integrated Science Capstone	2

Directed Electives

Select twelve hours from the following: 12

BIOL 220	Human Anatomy and Physiology I
BIOL 221	Human Anatomy and Physiology II
BIOL 267	Environmental History
BIOL 310	Microbiology
BIOL 312	Botany
BIOL 330	North Dakota Flora
BIOL 340	Research Methods
BIOL 343	Ornithology
BIOL 347	Aquatic Entomology
BIOL 350	Environmental Contaminants
BIOL 355	Mammalogy
BIOL 367	Ichthyology
BIOL 375	Conservation Biology
BIOL 376	Yellowstone Ecology
BIOL 380	Human Sexuality
BIOL 395	Laboratory Preparation and Management
BIOL 410	Field Ecology
BIOL 413	Restoration and Plant Ecology
BIOL 440	Biostatistics and Experimental Design
BIOL 441	Cell Biology
BIOL 470	Limnology
BIOL 194	Independent Study
BIOL 294	Independent Study
BIOL 394	Independent Study
BIOL 494	Undergraduate Research
BIOL 199	Special Topics
BIOL 299	Special Topics
BIOL 399	Special Topics
BIOL 499	Special Topics
GEOL 315	Soil Science and Survey

Total Credits 42

Total General Education 39-41 Hrs

Total Major Requirement 42 Hrs

Total Credits Needed to Graduate 120 Hrs

Note: This major requires a minor

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year

Fall	Credits	Spring	Credits
BIOL 150	4	BIOL 151	4
CHEM 121 (Gen Ed)	5	CHEM 116 (Gen Ed)	4
CIS 170 (Gen Ed)	3	COMM 110 (Gen Ed)	3
ENGL 110 (Gen Ed)	3	ENGL 125 (Gen Ed)	3
UNIV 150	1		
Total	16	Total	14

Second Year

Fall	Credits	Spring	Credits
Art & Music (Gen Ed)	3	BIOL 170	4
BIOL 311	4	BIOL 315	4
HPER 100 (Gen Ed)	2	Elective	3
MATH 107 (Gen Ed)	3	Literacies (Gen Ed)	3

Minor course	4		
	16		14
Third Year			
Fall	Credits Spring		Credits
Additional Humanities or Social Science (Gen Ed)	2	BIOL 315 or 441	4
Biology Directed Elective	4	Elective	4
Elective	2	Minor Course	4
Minor course	4	Social Science (Gen Ed)	3
Social Science (Gen Ed)	3		
	15		15
Fourth Year			
Fall	Credits Spring		Credits
Biology directed elective	4	Biology directed elective	4
BIOL 410 or 470	4	Elective	3
BIOL 491	2	Minor course	4
Minor course	4	Minor course	4
	14		15
Total Credits 119			

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

On completion of the Biology Program the students should be able to:

1. Demonstrate a fundamental knowledge of the major concepts in biology.
2. Exhibit critical thinking skills by applying the scientific method to solve problems.
3. Exhibit the ability to read and communicate in a scientific style.
4. Analyze the consequences of activities on themselves and their environment.

Biology Education

About this Composite Major

Students pursuing this degree will be qualified to teach secondary science courses across the science curriculum with VCSU's Bachelor of Science in Education with a Biology major plus 12 semester hours in each of the other sciences (chemistry, earth science, and/or physics).

As a Biology Education major, you will have multiple specialized courses, including Introduction to Education (40 hours); Practicum (80 hours); Culturally Diverse Practicum (25 hours involving 3 consecutive full days in a classroom), and a twelve-week student teaching field experience. Student teaching is the culminating experience of the program and the opportunity for students to apply all they have learned regarding their classroom preparation and field experience opportunities.

Meet a Student



"VCSU's science department is amazing. I feel blessed to have all these fantastic teachers who come with real world experience under their belts. When I ask them a question, they are always so knowledgeable and willing to help you out. Alongside the awesome faculty, the classes take you out on outdoor experiences that help you further not only your knowledge but the experience that employers are looking for." —Michaela Halvorson, Milnor, N.D.

Accreditations

- Council for the Accreditation of Educator Preparation (CAEP)

Become a Biology Educator



jobs in this field require a bachelor's degree

\$48,000

median salary of biology education degree holders

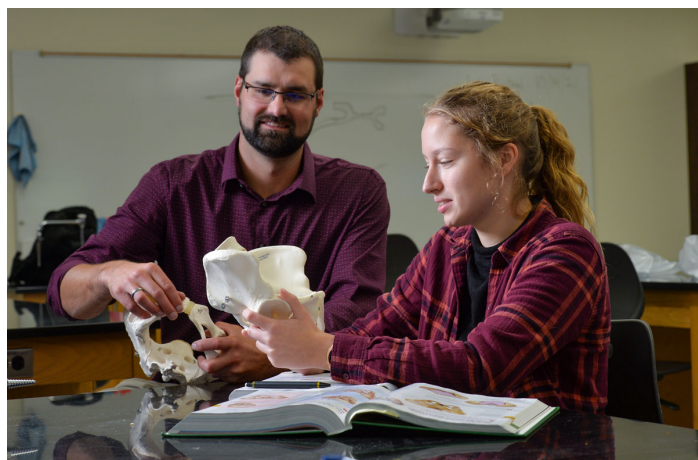
A Biology Education degree will prepare you for a career as a biology or science teacher. You'll also acquire skills to manage your classroom and teach effectively. Career opportunities with this degree can include:

- Chemistry teacher
- Biology teacher
- Education Coordinator
- Physics teacher
- Physics professor
- Lab technician

Get Involved in your Major

The Fisheries and Wildlife Conservation Club is a local VCSU club that organizes outings and fundraisers for those interested in the outdoors. The Pre-Professional Club provides preparation for entry into graduate school and professional programs for VCSU students. In addition, there is a wide variety of activities on campus such as Choir, Band, and Intramural sports, and also Kappa Delta Pi (KDP) and Student North Dakota United (SNDU).

Teacher Education Requirements



Students are typically admitted into Teacher Education during their sophomore year or the beginning of their junior year of college. This program requires a minimum cumulative GPA of 2.75 or higher and successful completion of the Praxis I test. Additional criteria for Admission to

Teacher Education can be found at the following website:
www.onestop.vcsu.edu (<https://onestop.vcsu.edu/support/solutions/articles/10000052001-teacher-education/>).

Practical Experience

The Rhoades Science Center includes a greenhouse, a planetarium, and laboratories for biology, chemistry, earth science, physics, computer science, and photography studies.

Students have access to: a fully equipped Aquatic Macro invertebrate Laboratory and Biomedical Research laboratory; weather stations; river gauge station; fish hatchery; the dam and reservoir at Lake Ashtabula; the Soil Conservation Service; and the North Dakota State Extension Service. Biology faculty have ongoing connections with North Dakota Department of Health, ND Parks and Recreation, Northern Prairie Wildlife Research Center, and the US Army Corps of Engineers.

Contact Information

Department Chair

Dr. Nicholas Galt, nicholas.galt@vcsu.edu, (701) 845-7459

Faculty Contact

Dr. Nicholas Galt, nicholas.galt@vcsu.edu, (701) 845-7459

Department Location

Rhoades Science Center 203, (701) 845-7452

Schedule your visit today!

<http://visit.vcsu.edu/>

(701) 845-7101 or (800) 532-8641, ext. 7101

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus ¹	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	

BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	1
CHEM 121	General Chemistry I	1
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	
ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	
Art and Music		
Select one of the following:		3
ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 206	World Music	
MUS 207	History of Rock and Roll	
Social Science		
Select 6 credits from the following:		6
COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
GEOG 151	Human Geography	

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HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology ¹
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2 or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

¹ Required

Major Requirements

Code	Title	Credits
Required Courses		
BIOL 150	General Biology I	4
BIOL 151	General Biology II	4
BIOL 170	General Zoology	4
BIOL 310	Microbiology	4
BIOL 311	Botany	4
BIOL 395	Laboratory Preparation and Management	1
BIOL 410	Field Ecology	4
BIOL 440	Biostatistics and Experimental Design	3-4
or MATH 321	Applied Probability and Statistics	
BIOL 490	Secondary Science Methods and Techniques	3
BIOL 491	Integrated Science Capstone	2
GEOL 100	Introduction to Earth Science	4
PHYS 211	College Physics I	4
or PHYS 251	University Physics I	

Directed Electives

Select 8 hours from the following: 8

BIOL 220	Human Anatomy and Physiology I
BIOL 221	Human Anatomy and Physiology II
BIOL 267	Environmental History
BIOL 312	Botany
BIOL 315	Genetics
BIOL 330	North Dakota Flora
BIOL 343	Ornithology
BIOL 347	Aquatic Entomology
BIOL 355	Mammalogy
BIOL 367	Ichthyology
BIOL 380	Human Sexuality
BIOL 395	Laboratory Preparation and Management
BIOL 413	Restoration and Plant Ecology

BIOL 441	Cell Biology
BIOL 470	Limnology
BIOL 199	Special Topics
BIOL 299	Special Topics
BIOL 399	Special Topics
BIOL 499	Special Topics
PHYS 275	Planetarium Science

A total of 4 credits from BIOL x99 may be applied as directed electives.

Total Credits 49-50

Students seeking K-12 certification will be placed in an Elementary and Secondary classroom setting.

Total General Education 39 Hrs

Total Major Requirement 49-50 Hrs

Total Professional Education Sequence 32-33 Hrs

Total Credits Needed to Graduate 120 Hr

To become a “highly qualified” teacher in other areas of science (Chemistry, Physics or Earth Science), a student must take a minimum of 12 credits in each of the other science areas in which they intend to teach. This conforms to the No Child Left Behind Policy.

Professional Education Sequence

Code	Title	Credits
Professional Education Sequence		
EDUC 240	Educating Exceptional Students	3
EDUC 250	Introduction to Education	3
EDUC 283	Understanding Cultural Diversity in Education	3
EDUC 300	Educational Technology	2
EDUC 351	Secondary Practicum and Classroom Management	1
EDUC 352	Culturally Diverse Practicum	1
or EDUC 464	Practicum in the ELL Classroom	
EDUC 375	Teaching Reading in the Content Areas	2
EDUC 400	Educational Psychology	2
EDUC 450	Trends in Assessment and Educational Issues	2
EDUC 480	Student Teaching (Secondary)	10
PSYC 250	Developmental Psychology	3
Total Credits		32

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year

Fall	Credits	Spring	Credits
BIOL 150	4	BIOL 151	4
CHEM 121 (Gen Ed)	5	CHEM 116 (Gen Ed)	4
CIS 170 (Gen Ed)	3	COMM 110 (Gen Ed)	3
ENGL 110 (Gen Ed)	3	ENGL 125 (Gen Ed)	3
UNIV 150	1	Literacies (Gen Ed)	3
	16		17

Second Year

Fall	Credits	Spring	Credits
BIOL 311	4	Art and Music (Gen Ed)	3
EDUC 250	3	BIOL 170	4
HPER 100 (Gen Ed)	2	EDUC 240	3

MATH 107 (Gen Ed)	3	EDUC 300	2
PHYS 161	4	PSYC 250	3
		Social Science (Gen Ed)	3
	16		18
Third Year			
Fall	Credits Spring		Credits
Additional Humanities or Social Science (Gen Ed)	2	BIOL 310	4
Biology directed elective	4	BIOL 395	1
EDUC 283	3	BIOL 440	4
EDUC 351	1	EDUC 352	1
EDUC 375	2	GEOL 100	4
EDUC 450	2	EDUC 400	2
PSYC 111 (Gen Ed)	3		
	17		16
Fourth Year			
Fall	Credits Spring		Credits
BIOL 410	4	EDUC 480	10
BIOL 490	3		
BIOL 491	2		
Biology directed elective	4		
Biology directed elective	4		
	17		10
Total Credits 127			

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. Demonstrate a fundamental knowledge of the major concepts in biology.
2. Exhibit critical thinking skills by applying the scientific method to solve problems.
3. Exhibit the ability to read and communicate in a scientific style.
4. Analyze the consequences of activities on themselves and their environment.

Business Administration - Agribusiness Concentration

About this Composite Major

Agribusiness management students study accounting, management, finance, and marketing, and learn how to apply this knowledge to production and decision-making processes across a wide variety of organizations in the agribusiness industry.



Career Opportunities

Employment opportunities continue to be strong in this sector with many areas experiencing shortages of qualified employees. Career opportunities vary widely and students find paths that can include:

- Ag Lending
- Ag Finance
- Accounting
- Crop and/or Livestock Producer
- Farm Management
- Grain and/or Livestock Buyer
- Manufacturing Manager
- Market Analyst
- Program Specialist
- Sales Manager

Get Involved in your Major

Business Club is just one way to get involved in your major. The goal of the club is to provide opportunities for students to develop the skills, abilities, and leadership qualities necessary to enter and be successful in the workplace. This organization allows business students to network and focus their time and energy on activities that will enhance their educational experiences and better prepare them for the

job market. Students are also encouraged to participate in business-related competitions and attend guest lectures.

Meet a Student



"Agriculture is one of the quickest growing industries and isn't slowing down anytime soon. The Ag Business program at VCSU has given me the tools I need to make important business decisions both on and off the farm." - Braylen Bruns, Valley City, N.D.

"Attending VCSU was one of the best decisions of my life. It truly helped me grow as a person and led me to where I am today. I met so many great people there and made so many memories. It is amazing how much it feels like home and how you get to know everyone. VCSU is blessed with amazing professors who truly care about you as a person and want you to succeed. They are able to teach you valuable skills that are truly useful and applicable in the "real world." VCSU will always be in my heart and I can't wait to visit often. Go Vikes!" - Bradyn Sand, '20

Practical Experience

Students are encouraged to earn credits by extending their learning beyond the classroom. Job shadowing opportunities exist that allow students to observe the performance of employees in careers related to their area of study. Students will have the opportunity to participate in tours, workshops, fairs, and conferences.

An internship can be a part of a student's academic program and can take place any semester after sophomore year for up to 12 credits. Student interns gain hands-on workplace experience, have opportunities to network with professionals, and may be offered a full-time position. Area organizations that have offered internships to VCSU students include Arthur Companies Inc., The ARC Group, Bank Forward, Centrol Ag Consulting, Columbia Grain, Dakota Bank, Doosan Bobcat, John Deere Seeding Group, Larson Grain, Nutrien Ag Solutions, Riverton Research Inc., USDA Farm Service Agency, Valley Plains Equipment, and Wold Engineering.

Contact Information

Department Chair and Faculty Contact

Brenda Tyre, brenda.tyre@vcsu.edu, (701) 845-7515

Department Location

Vangstad 125, (701) 845-7515

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**Learn more
about studying
Business
Administration
at Valley City
State University**

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	2
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

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ENGL 261	American Literature I
ENGL 262	American Literature II
HUM 201	Civilization, Thought, and Literary Heritage
PSYC 200	Ethics and Philosophy of Science
SPAN 101	1st Year Spanish I
SPAN 102	1st Year Spanish II
SPAN 201	2nd Year Spanish I
SPAN 202	2nd Year Spanish II
THEA 110	Introduction to Theatre Arts

Art and Music

Select one of the following: 3

ART 110	Introduction to the Visual Arts
ART 115	Introduction to Digital Media
ART 210	Art History I
ART 211	Art History II
ART 233	History of Craft
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 206	World Music
MUS 207	History of Rock and Roll

Social Science

Select 6 credits from the following: 6

COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics ¹
ECON 202	Principles of Macroeconomics ¹
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

¹ ECON 201 & ECON 202 are required for the Business Administration Major.

² Required

Major Requirements

Code	Title	Credits
Required Courses		
Electives/Internship		
ACCT 200	Elements of Accounting I	3
ACCT 201	Elements of Accounting II	3
ACCT 315	Business in the Legal Environment	3
BUSI 214	Business Communications	3
BUSI 336	Business Data Solutions	3
BUSI 350	Operations Management	3
BUSI 480	Strategic Planning	3
BUSI 485	Entrepreneurship	3
BUSI 491	Senior Seminar	1
CIS 329	Information Systems Management	3
FIN 375	Managerial Finance	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MGMT 460	International Business	3
MRKT 305	Principles of Marketing	3
Total Credits		46

AgriBusiness Concentration

Code	Title	Credits
AgriBusiness Management		
AGEC 341	Agricultural Economics	3
AGEC 342	Introduction to Agriculture Management	3
AGEC 346	Agriculture Commodity Marketing	3
AGEC 442	Advanced Farm Management	3
FIN 376	Managerial Finance II	3
Directed Electives Choose 3 (9 Credits)		9
ACCT 355	Taxation of Business Entities	
AGEC 474	Cooperatives (North Dakota State University)	
BIOL 360	Environmental Law and Regulations	
BIOL 455	Introduction to GIS	
BUSI 497	Internship	
FIN 350	Foundations of Banking	
GEOL 315	Soil Science and Survey	
MRKT 340	Professional Sales	
Total Credits		24

Total General Education 39 Hrs

Total Major Requirement 46 Hrs

Total Concentration Requirements 24 Hrs

Total Credits Needed to Graduate 120 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year			
Fall	Credits Spring		Credits
CIS 170 (Gen Ed)	3	ECON 202 (Gen Ed)	3
ECON 201 (Gen Ed)	3	ENGL 125 or 120 (Gen Ed)	3
ENGL 110 (Gen Ed)	3	MATH 104 or 107 (Gen Ed)	3
Lab Science (Gen Ed)	4	MRKT 305	3
UNIV 150	1	Speech Communications (Gen Ed)	3
14		15	

Second Year

Fall	Credits	Spring	Credits
ACCT 200	3	ACCT 201	3
BUSI 336	3	ACCT 315	3
FIN 375	3	BUSI 214	3
MATH 210	3	Elective	3
MGMT 330	3	MGMT 270	3
	15		15

Third Year

Fall	Credits	Spring	Credits
AGEC 342	3	AGEC 346	3
Directed Elective	3	AGEC 442	3
HPER 100 or 212 (Gen Ed)	2	CIS 329	3
Literacies (Gen Ed)	3	Directed Elective	3
MGMT 460	3	Elective	3
	14		15

Fourth Year

Fall	Credits	Spring	Credits
Additional Humanities or Social Science (Gen Ed)	3	AGEC 341	3
BUSI 480	3	Art and Music (Gen Ed)	3
Directed Elective	3	BUSI 350	3
Elective	3	BUSI 485	3
Lab Science (Gen Ed)	4	BUSI 491	1
		FIN 376	3
	16		16

Total Credits 120

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Online Course Rotation

Fall Even Years

ACCT 200	Elements of Accounting I	3
ACCT 307	Managerial Accounting and Finance	3
ACCT 315	Business in the Legal Environment	3
ACCT 369	Enterprise Systems	3
BUSI 214	Business Communications	3
BUSI 350	Operations Management	3
BUSI 485	Entrepreneurship	3
BUSI 491	Senior Seminar	1
BUSI 497	Internship	3-12
ECON 202	Principles of Macroeconomics	3
FIN 350	Foundations of Banking	3
MATH 210	Elementary Statistics	3
MRKT 305	Principles of Marketing	3

Fall Odd Years

ACCT 200	Elements of Accounting I	3
ACCT 315	Business in the Legal Environment	3
BUSI 214	Business Communications	3
BUSI 350	Operations Management	3
BUSI 485	Entrepreneurship	3
BUSI 491	Senior Seminar	1
BUSI 497	Internship	3-12
ECON 202	Principles of Macroeconomics	3
FIN 375	Managerial Finance	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MRKT 305	Principles of Marketing	3

Spring Even Years

ACCT 201	Elements of Accounting II	3
ACCT 315	Business in the Legal Environment	3
AGEC 474 Cooperatives (NDSU)		3
BUSI 336	Business Data Solutions	3
BUSI 480	Strategic Planning	3
BUSI 497	Internship	3-12
ECON 201	Principles of Microeconomics	3
FIN 376	Managerial Finance II	3
FIN 380	Principles of Investments	3
MATH 210	Elementary Statistics	3
MGMT 330	Principles of Management	3
MGMT 460	International Business	3
MRKT 340	Professional Sales	3

Spring Odd Years

ACCT 201	Elements of Accounting II	3
ACCT 315	Business in the Legal Environment	3
ACCT 355	Taxation of Business Entities	3
AGEC 474 Cooperatives (NDSU)		3
BUSI 336	Business Data Solutions	3
BUSI 480	Strategic Planning	3
BUSI 497	Internship	3-12
CIS 329	Information Systems Management	3
ECON 201	Principles of Microeconomics	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MGMT 460	International Business	3

Summer Even Years

BUSI 214	Business Communications	3
BUSI 350	Operations Management	3
BUSI 480	Strategic Planning	3
BUSI 497	Internship	3-12

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MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MRKT 305	Principles of Marketing	3

Summer Odd Years

BUSI 214	Business Communications	3
BUSI 485	Entrepreneurship	3
BUSI 497	Internship	3-12
FIN 375	Managerial Finance	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MGMT 460	International Business	3
MRKT 305	Principles of Marketing	3
MRKT 340	Professional Sales	3

Face-to-Face Course Rotation

Fall Even Years

ACCT 200	Elements of Accounting I	3
BUSI 336	Business Data Solutions	3
BUSI 387	Business Practicum	1-12
BUSI 480	Strategic Planning	3
ECON 202	Principles of Macroeconomics	3
FIN 375	Managerial Finance	3
GEOL 315	Soil Science and Survey	4
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MGMT 340	Human Resource Management	3
MGMT 460	International Business	3

Fall Odd Years

ACCT 200	Elements of Accounting I	3
AGEC 342	Introduction to Agriculture Management	3
BUSI 336	Business Data Solutions	3
BUSI 480	Strategic Planning	3
ECON 201	Principles of Microeconomics	3
FIN 350	Foundations of Banking	3
GEOL 315	Soil Science and Survey	4
MATH 210	Elementary Statistics	3
MGMT 330	Principles of Management	3
MGMT 460	International Business	3

Spring Even Years

ACCT 201	Elements of Accounting II	3
ACCT 315	Business in the Legal Environment	3
ACCT 355	Taxation of Business Entities	3
AGEC 346	Agriculture Commodity Marketing	3
AGEC 442	Advanced Farm Management	3
BIOL 360	Environmental Law and Regulations	3
BIOL 455	Introduction to GIS	4
BUSI 214	Business Communications	3
BUSI 350	Operations Management	3
BUSI 387	Business Practicum	1-12
BUSI 485	Entrepreneurship	3
BUSI 491	Senior Seminar	1
CIS 329	Information Systems Management	3
ECON 202	Principles of Macroeconomics	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MRKT 305	Principles of Marketing	3

Spring Odd Years

ACCT 201	Elements of Accounting II	3
AGEC 341	Agricultural Economics	3
BIOL 360	Environmental Law and Regulations	3
BIOL 455	Introduction to GIS	4
BUSI 214	Business Communications	3
BUSI 350	Operations Management	3
BUSI 387	Business Practicum	1-12
BUSI 485	Entrepreneurship	3
BUSI 491	Senior Seminar	1
ECON 202	Principles of Macroeconomics	3
FIN 376	Managerial Finance II	3
FIN 380	Principles of Investments	3
MATH 210	Elementary Statistics	3
MRKT 305	Principles of Marketing	3
MRKT 340	Professional Sales	3

Learning Outcomes

Students will:

1. Demonstrate knowledge of core business functional areas.
2. Integrate the core areas of business to inform decision making.
3. Demonstrate professional business communications.
4. Demonstrate the ability to collaborate with diverse colleagues.
5. Apply legal and ethical principles in business to organizational decision making.
6. Demonstrate leadership skills.

Business Administration - Human Resource & Management Concentration

About this Composite Major

The Business Administration HR & Management concentration prepares students with the core competencies essential to succeed in all types of business environments. This versatile program includes coursework in accounting, human relations, management, marketing, finance, and technology.



Meet a Student

"During my time as a student at VCSU the Business Department "family" helped prepare me for my future. They created a culture that valued all of their students and truly were vested in our success not only while at VCSU but beyond. Every professor within the department worked diligently to ensure each of us had the necessary tools and the knowledge to succeed both in class and in the community. Being mentored by these true professionals in the business department allowed me to expand my knowledge of the business world and has given me boundless opportunities since graduation. It is such an honor and privilege to be a graduate of VCSU and to have been able to learn and grow from the outstanding members of the Business Department. From this learning experience it has allowed me to grow and find a great career path since graduation. Truly an outstanding experience." — Dillion Thomas, '18

Career Opportunities

Graduates are prepared for a variety of careers leading to management positions in service and manufacturing industries, the government sector, or entrepreneurial endeavors. Graduates may also choose to pursue further education in MBA programs, law school, or other specialized graduate programs.

Career opportunities include positions such as:

- Business Administrator
- Management Consultant
- Operations Manager
- General Management
- Entrepreneur
- Human Resources Generalist
- Staffing Coordinator
- Corporate Trainer
- Recruiter
- Compensation/Benefits Specialist

Get Involved in your Major

Business Club: There are many ways to get involved in your major. Among other things, you can participate in competitions, attend guest lectures, or join the business club. The goal of the club is to provide opportunities for students to develop the skills, abilities, and leadership qualities necessary to enter and be successful in the workplace. This organization allows business students to network and focus their time and energy on activities that will enhance their educational experiences and better prepare them for the job market.

Practical Experience

Students are encouraged to earn credits by extending their learning beyond the classroom. Job shadowing opportunities exist that allow students to observe the performance of employees in careers related to their area of study. Students will have the opportunity to participate in tours, workshops, fairs, and conferences.

An internship can be a part of a student's academic program and can take place any semester after sophomore year for up to 12 credits. Student interns gain hands-on workplace experience, have opportunities to network with professionals, and may be offered a full-time position. Area organizations that have offered internships to VCSU students include: Bank Forward, John Deere Seeding Group, Doosan Bobcat, Enterprise Rent-A-Car, Epworth's Holy Grounds, F.E.I., i3G Media, Menards, Miller Motors, RE/Max, Sodexo, and USDA Rural Development.

Contact Information

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General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
	or ENGL 121 Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
	or ENGL 121 Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	2
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

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ENGL 261	American Literature I
ENGL 262	American Literature II
HUM 201	Civilization, Thought, and Literary Heritage
PSYC 200	Ethics and Philosophy of Science
SPAN 101	1st Year Spanish I
SPAN 102	1st Year Spanish II
SPAN 201	2nd Year Spanish I
SPAN 202	2nd Year Spanish II
THEA 110	Introduction to Theatre Arts

Art and Music

Select one of the following: 3

ART 110	Introduction to the Visual Arts
ART 115	Introduction to Digital Media
ART 210	Art History I
ART 211	Art History II
ART 233	History of Craft
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 206	World Music
MUS 207	History of Rock and Roll

Social Science

Select 6 credits from the following: 6

COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics ¹
ECON 202	Principles of Macroeconomics ¹
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

¹ ECON 201 & ECON 202 are required for the Business Administration Major.

² Required

Major Requirements

Code	Title	Credits
Required Courses		
Electives/Internship		
ACCT 200	Elements of Accounting I	3
ACCT 201	Elements of Accounting II	3
ACCT 315	Business in the Legal Environment	3
BUSI 214	Business Communications	3
BUSI 336	Business Data Solutions	3
BUSI 350	Operations Management	3
BUSI 480	Strategic Planning	3
BUSI 485	Entrepreneurship	3
BUSI 491	Senior Seminar	1
CIS 329	Information Systems Management	3
FIN 375	Managerial Finance	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MGMT 460	International Business	3
MRKT 305	Principles of Marketing	3
Total Credits		46

Human Resources & Management Concentration

Code	Title	Credits
Human Resource & Management		
ACCT 307	Managerial Accounting and Finance	3
COMM 304	Corporate Training	3
COMM 311	Communication and Interviewing	3
MGMT 340	Human Resource Management	3
MGMT 372	Foundations of Leadership	3
MGMT 381	Project Management	3
MGMT 430	Organizational Behavior	3
Total Credits		21

Total General Education 39 Hrs

Total Major Requirement 46 Hrs

Total Concentration Requirements 21 Hrs

Total Credits Needed to Graduate 120 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year

Fall	Credits	Spring	Credits
CIS 170 (Gen Ed)	3	ECON 202 (Gen Ed)	3
ECON 201 (Gen Ed)	3	ENGL 125 or 120 (Gen Ed)	3
ENGL 110 (Gen Ed)	3	Lab Science (Gen Ed)	4
MGMT 270	3	MATH 104 or 107 (Gen Ed)	3
UNIV 150	1	Speech Communication (Gen Ed)	3
13		16	

Second Year

Fall	Credits	Spring	Credits
ACCT 200	3	ACCT 201	3
BUSI 336	3	ACCT 315	3
FIN 375	3	BUSI 214	3
HPER 100 or 212 (Gen Ed)	2	MATH 210	3

MGMT 330	3	MRKT 305	3
	14		15
Third Year			
Fall	Credits	Spring	Credits
ACCT 307	3	BUSI 350	3
Additional Humanities or Social Sciences (Gen Ed)	3	CIS 329	3
Art and Music (Gen Ed)	3	Literacies (Gen Ed)	3
Lab Science	4	Elective	3
MGMT 340	3	Elective	3
	16		15
Fourth Year			
Fall	Credits	Spring	Credits
BUSI 480	3	BUSI 485	3
COMM 304	3	BUSI 491	1
Elective	3	COMM 311	3
MGMT 372	3	Elective	3
MGMT 460	3	MGMT 381	3
		MGMT 430	3
	15		16

Total Credits 120

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Online Course Rotation

Fall Even Years

ACCT 200	Elements of Accounting I	3
ACCT 307	Managerial Accounting and Finance	3
ACCT 315	Business in the Legal Environment	3
BUSI 214	Business Communications	3
BUSI 350	Operations Management	3
BUSI 485	Entrepreneurship	3
BUSI 490	Methods and Materials for Teaching Business Subjects	3
BUSI 491	Senior Seminar	1
BUSI 497	Internship	3-12
ECON 202	Principles of Macroeconomics	3
MATH 210	Elementary Statistics	3
MGMT 340	Human Resource Management	3
MGMT 372	Foundations of Leadership	3
MRKT 305	Principles of Marketing	3

Fall Odd Years

ACCT 200	Elements of Accounting I	3
ACCT 315	Business in the Legal Environment	3
BUSI 214	Business Communications	3
BUSI 350	Operations Management	3
BUSI 485	Entrepreneurship	3
BUSI 490	Methods and Materials for Teaching Business Subjects	3
BUSI 491	Senior Seminar	1
BUSI 497	Internship	3-12
ECON 202	Principles of Macroeconomics	3
FIN 375	Managerial Finance	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MRKT 305	Principles of Marketing	3

Spring Even Years

ACCT 201	Elements of Accounting II	3
ACCT 315	Business in the Legal Environment	3
BUSI 336	Business Data Solutions	3
BUSI 480	Strategic Planning	3
BUSI 497	Internship	3-12
ECON 201	Principles of Microeconomics	3
MATH 210	Elementary Statistics	3
MGMT 330	Principles of Management	3
MGMT 460	International Business	3

Spring Odd Years

ACCT 201	Elements of Accounting II	3
ACCT 315	Business in the Legal Environment	3
ACCT 355	Taxation of Business Entities	3
BUSI 336	Business Data Solutions	3
BUSI 480	Strategic Planning	3
BUSI 497	Internship	3-12
CIS 329	Information Systems Management	3
ECON 201	Principles of Microeconomics	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MGMT 430	Organizational Behavior	3
MGMT 460	International Business	3

Summer Even Years

BUSI 214	Business Communications	3
BUSI 350	Operations Management	3
BUSI 480	Strategic Planning	3
BUSI 497	Internship	3-12
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MGMT 381	Project Management	3
MRKT 305	Principles of Marketing	3

Summer Odd Years

BUSI 214	Business Communications	3
BUSI 485	Entrepreneurship	3
BUSI 497	Internship	3-12
FIN 375	Managerial Finance	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MGMT 460	International Business	3
MRKT 305	Principles of Marketing	3

Face-to-Face Course Rotation

Fall Even Years

ACCT 200	Elements of Accounting I	3
BUSI 336	Business Data Solutions	3
BUSI 480	Strategic Planning	3
ECON 201	Principles of Microeconomics	3
FIN 375	Managerial Finance	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MGMT 340	Human Resource Management	3
MGMT 460	International Business	3

Fall Odd Years

ACCT 200	Elements of Accounting I	3
ACCT 307	Managerial Accounting and Finance	3
BUSI 336	Business Data Solutions	3

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BUSI 480	Strategic Planning	3
ECON 201	Principles of Microeconomics	3
MATH 210	Elementary Statistics	3
MGMT 330	Principles of Management	3
MGMT 372	Foundations of Leadership	3
MGMT 460	International Business	3

Spring Even Years

ACCT 201	Elements of Accounting II	3
ACCT 315	Business in the Legal Environment	3
BUSI 214	Business Communications	3
BUSI 350	Operations Management	3
BUSI 387	Business Practicum	1-12
BUSI 485	Entrepreneurship	3
BUSI 491	Senior Seminar	1
CIS 329	Information Systems Management	3
ECON 202	Principles of Macroeconomics	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MGMT 381	Project Management	3
MGMT 430	Organizational Behavior	3
MRKT 305	Principles of Marketing	3

Spring Odd Years

ACCT 201	Elements of Accounting II	3
BUSI 214	Business Communications	3
BUSI 350	Operations Management	3
BUSI 387	Business Practicum	1-12
BUSI 485	Entrepreneurship	3
BUSI 491	Senior Seminar	1
ECON 202	Principles of Macroeconomics	3
MATH 210	Elementary Statistics	3
MGMT 381	Project Management	3
MRKT 305	Principles of Marketing	3

Learning Outcomes

Students will:

1. Demonstrate knowledge of core business functional areas.
2. Integrate the core areas of business to inform decision making.
3. Demonstrate professional business communication.
4. Demonstrate the ability to collaborate with diverse colleagues.
5. Apply legal and ethical principles in business to organizational decision making.
6. Demonstrate leadership skills.

Business Administration - Managerial Accounting and Finance Concentration

About this Composite Major

Students who successfully complete the Managerial Accounting and Finance concentration demonstrate specialized knowledge in forecasting, planning, and analyzing data, as well as the ability to communicate and present the data in a format useful for decision-making. Graduates will demonstrate the ability to use available technology to apply their knowledge and skills effectively. The concentration is appropriate for those seeking career opportunities in small business management, banking, internal management and control, and a variety of entrepreneurial opportunities.

Meet a Student



"VCSU's Business Department laid an excellent foundation of knowledge which allowed me to excel in my professional life as well as many other areas. From the content we learned in class to the emphasis of teamwork and interactions with other students and professors, I wouldn't be where I am today without the lessons instilled in me through VCSU's Business Department." Isaac Yturralde

Career Opportunities

Career opportunities can include positions such as:

- Accounting Clerk
- Bank Examiner
- Corporate Accountant
- Cost Accountant
- Credit Analyst
- Internal Auditor
- Revenue Agent
- Securities Broker (consultant)
- Bond Broker
- Comptroller
- Financial Consultant
- Financial Manager
- Financial Services Sales Agent
- Loan Officer

Get Involved in your Major

Business Club: There are many ways to get involved in your major. Among other things, you can participate in competitions, attend guest lectures, or join the business club. The goal of the club is to provide opportunities for students to develop the skills, abilities, and leadership qualities necessary to enter and be successful in the workplace. This organization allows business students to network and focus their time and energy on activities that will enhance their educational experiences and better prepare them for the job market.

Practical Experience

Students are encouraged to earn credits by extending their learning beyond the classroom. Job shadowing opportunities exist that allow students to observe the performance of employees in careers related to their area of study. Students will have the opportunity to participate in tours, workshops, fairs, and conferences.

An internship can be a part of a student's academic program and can take place any semester after sophomore year for up to 12 credits. Student interns gain hands-on workplace experience, have opportunities to network with professionals, and may be offered a full-time position. Area organizations that have offered internships to VCSU students include Bank Forward, Dakota Bank, Doosan Bobcat, F.E.I., Eide Bailly, John Deere Seeding Group, Office of the State Auditor, Shyenenne Care Center, Stoneridge Software, Valley City Public Schools, and Valley Wealth Management.

Contact Information

Department Chair and Faculty Contact

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Department Location

Vangstad 125, (701) 845-7515

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General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	2
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

ENGL 261	American Literature I
ENGL 262	American Literature II
HUM 201	Civilization, Thought, and Literary Heritage
PSYC 200	Ethics and Philosophy of Science
SPAN 101	1st Year Spanish I
SPAN 102	1st Year Spanish II
SPAN 201	2nd Year Spanish I
SPAN 202	2nd Year Spanish II
THEA 110	Introduction to Theatre Arts

Art and Music

Select one of the following: 3

ART 110	Introduction to the Visual Arts
ART 115	Introduction to Digital Media
ART 210	Art History I
ART 211	Art History II
ART 233	History of Craft
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 206	World Music
MUS 207	History of Rock and Roll

Social Science

Select 6 credits from the following: 6

COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics ¹
ECON 202	Principles of Macroeconomics ¹
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

¹ ECON 201 & ECON 202 are required for the Business Administration Major.

² Required

Major Requirements

Code	Title	Credits
Required Courses		
Electives/Internship		
ACCT 200	Elements of Accounting I	3
ACCT 201	Elements of Accounting II	3
ACCT 315	Business in the Legal Environment	3
BUSI 214	Business Communications	3
BUSI 336	Business Data Solutions	3
BUSI 350	Operations Management	3
BUSI 480	Strategic Planning	3
BUSI 485	Entrepreneurship	3
BUSI 491	Senior Seminar	1
CIS 329	Information Systems Management	3
FIN 375	Managerial Finance	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MGMT 460	International Business	3
MRKT 305	Principles of Marketing	3
Total Credits		46

Managerial Accounting & Finance Concentration

Code	Title	Credits
Managerial Accounting & Finance		
Required Courses		
ACCT 307	Managerial Accounting and Finance	3
ACCT 321	Intermediate Accounting I	3
ACCT 322	Intermediate Accounting II	3
Select four courses from the following: ¹		12
ACCT 355	Taxation of Business Entities	
ACCT 369	Enterprise Systems	
ACCT 440	Advanced Accounting Topics	
ACCT 450	Principles of Auditing	
FIN 350	Foundations of Banking	
FIN 376	Managerial Finance II	
FIN 380	Principles of Investments	
Total Credits		21

¹ Students wishing to sit for the CPA exam should take all courses with an ACCT prefix

Total General Education 39 Hrs

Total Major Requirement 46 Hrs

Total Concentration Requirements 21 Hrs

Total Credits Needed to Graduate 120 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year			
Fall	Credits Spring		Credits
CIS 170 (Gen Ed)	3	ECON 202 (Gen Ed)	3
ECON 201 (Gen Ed)	3	ENGL 125 or 120 (Gen Ed)	3
ENGL 110 (Gen Ed)	3	MATH 104 or 107 (Gen Ed)	3
HPER 100 or 212 (Gen Ed)	2	MGMT 270	3
Lab Science (Gen Ed)	4	Speech Communication (Gen Ed)	3

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UNIV 150	1		
	16		15
Second Year			
Fall	Credits	Spring	Credits
ACCT 200	3	ACCT 201	3
BUSI 336	3	ACCT 315	3
FIN 375	3	Additional Humanities or Social Science (Gen Ed)	2
MATH 210	3	BUSI 214	3
MGMT 330	3	Literacies (Gen Ed)	3
	15		14
Third Year			
Fall	Credits	Spring	Credits
ACCT 307	3	ACCT 322	3
ACCT 321	3	CIS 329	3
Art and Music (Gen Ed)	3	Directed Elective	3
Elective	3	Lab Science (Gen Ed)	4
MGMT 460	3	MRKT 305	3
	15		16
Fourth Year			
Fall	Credits	Spring	Credits
BUSI 480	3	BUSI 350	3
Directed Elective	3	BUSI 485	3
Elective	1	BUSI 491	1
Elective	3	Directed Elective	3
Elective	3	Directed Elective	3
		Elective	3
	13		16
Total Credits 120			

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Online Course Rotation

Fall Even Years

ACCT 200	Elements of Accounting I	3
ACCT 307	Managerial Accounting and Finance	3
ACCT 315	Business in the Legal Environment	3
ACCT 369	Enterprise Systems	3
ACCT 440	Advanced Accounting Topics	3
BUSI 214	Business Communications	3
BUSI 350	Operations Management	3
BUSI 485	Entrepreneurship	3
BUSI 491	Senior Seminar	1
BUSI 497	Internship	3-12
ECON 202	Principles of Macroeconomics	3
FIN 350	Foundations of Banking	3
MATH 210	Elementary Statistics	3
MRKT 305	Principles of Marketing	3

Fall Odd Years

ACCT 200	Elements of Accounting I	3
ACCT 315	Business in the Legal Environment	3
ACCT 321	Intermediate Accounting I	3
ACCT 369	Enterprise Systems	3
ACCT 450	Principles of Auditing	3
BUSI 214	Business Communications	3
BUSI 350	Operations Management	3
BUSI 485	Entrepreneurship	3
BUSI 491	Senior Seminar	1
BUSI 497	Internship	3-12
FIN 375	Managerial Finance	3
ECON 202	Principles of Macroeconomics	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MRKT 305	Principles of Marketing	3

Spring Even Years

ACCT 201	Elements of Accounting II	3
ACCT 315	Business in the Legal Environment	3
ACCT 322	Intermediate Accounting II	3
BUSI 336	Business Data Solutions	3
BUSI 480	Strategic Planning	3
BUSI 497	Internship	3-12
FIN 376	Managerial Finance II	3
ECON 201	Principles of Microeconomics	3
FIN 380	Principles of Investments	3
MATH 210	Elementary Statistics	3
MGMT 330	Principles of Management	3
MGMT 460	International Business	3

Spring Odd Years

ACCT 201	Elements of Accounting II	3
ACCT 315	Business in the Legal Environment	3
ACCT 355	Taxation of Business Entities	3
BUSI 336	Business Data Solutions	3
BUSI 480	Strategic Planning	3
BUSI 497	Internship	3-12
CIS 329	Information Systems Management	3
MATH 210	Elementary Statistics	3
ECON 201	Principles of Microeconomics	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MGMT 460	International Business	3

Summer Even Years

BUSI 214	Business Communications	3
BUSI 350	Operations Management	3

BUSI 480	Strategic Planning	3
BUSI 497	Internship	3-12
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MRKT 305	Principles of Marketing	3

Summer Odd Years

BUSI 214	Business Communications	3
BUSI 485	Entrepreneurship	3
BUSI 497	Internship	3-12
FIN 375	Managerial Finance	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MGMT 460	International Business	3
MRKT 305	Principles of Marketing	3

Face-to-Face Course Rotation

Fall Even Years

ACCT 200	Elements of Accounting I	3
ACCT 321	Intermediate Accounting I	3
BUSI 336	Business Data Solutions	3
BUSI 480	Strategic Planning	3
ECON 202	Principles of Macroeconomics	3
FIN 375	Managerial Finance	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MGMT 460	International Business	3

Fall Odd Years

ACCT 200	Elements of Accounting I	3
ACCT 307	Managerial Accounting and Finance	3
BUSI 336	Business Data Solutions	3
BUSI 480	Strategic Planning	3
ECON 201	Principles of Microeconomics	3
FIN 350	Foundations of Banking	3
MATH 210	Elementary Statistics	3
MGMT 330	Principles of Management	3
MGMT 460	International Business	3

Spring Even Years

ACCT 201	Elements of Accounting II	3
ACCT 355	Taxation of Business Entities	3
ACCT 369	Enterprise Systems	3
BUSI 214	Business Communications	3
BUSI 350	Operations Management	3
BUSI 387	Business Practicum	1-12
BUSI 485	Entrepreneurship	3
BUSI 491	Senior Seminar	1
CIS 329	Information Systems Management	3
ECON 201	Principles of Microeconomics	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MRKT 305	Principles of Marketing	3

Spring Odd Years

ACCT 201	Elements of Accounting II	3
ACCT 322	Intermediate Accounting II	3
BUSI 214	Business Communications	3
BUSI 350	Operations Management	3
BUSI 387	Business Practicum	1-12
BUSI 485	Entrepreneurship	3
BUSI 491	Senior Seminar	1
FIN 376	Managerial Finance II	3
ECON 202	Principles of Macroeconomics	3
FIN 380	Principles of Investments	3
MATH 210	Elementary Statistics	3
MRKT 305	Principles of Marketing	3

Learning Outcomes

Students will:

1. Demonstrate knowledge of core business functional areas.
2. Integrate the core areas of business to inform decision making.
3. Demonstrate professional business communication.
4. Demonstrate the ability to collaborate with diverse colleagues.

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5. Apply legal and ethical principles in business to organizational decision making.
6. Demonstrate leadership skills.

Business Administration - Marketing Concentration

About this Composite Major

Students who successfully complete the marketing concentration develop resume building skills including analytics, search engine optimization, search engine marketing, email marketing, social media advertising and management as well as communication, interpersonal, and teamwork skills. Graduates will have many opportunities for good paying careers with great job satisfaction.

Meet a Student



"Valley City State University was the perfect choice for me right out of high school because I came undecided. Being able to explore the many different career paths VCSU has to offer and having such an affordable price was a huge factor in me coming to VCSU. Not only that, but when I explored the business administration major, I was instantly drawn to the classes, teaching styles of the professors, and the opportunities that came with the marketing concentration."
- Macy Schlaht, Valley City, N.D.

"During my time at VCSU, I completed a social media marketing internship with a local home furnishing business to establish a social media presence on Facebook and Instagram and to redesign their website. Our goal was to create more leads as well as establish our brand online. I used what I learned in my marketing classes to create engaging content for our followers, to better understand who the company was, and what they had to offer as well as advertise the specials we were running. I

also completed a digital marketing certification exam as part of the digital marketing course that is a part of the marketing concentration that helped me with my work at my internship as well as provided an industry recognized certificate to put on my resume. Looking back, I wouldn't change a thing about my time at VCSU." Steven Lopez, El Paso, TX

Career Opportunities



The marketing concentration prepares students for careers such as:

- Marketing Coordinator
- Advertising Assistant
- Sales Representative
- Customer Service Representative
- Social Media Manager
- Digital Marketer
- Market Research Analyst
- Brand Manager

Get Involved in your Major

Business Club: There are many ways to get involved in your major. Among other things, you can participate in competitions, attend guest lectures, or join the business club. The goal of the club is to provide opportunities for students to develop the skills, abilities, and leadership qualities necessary to enter and be successful in the workplace. This organization allows business students to network and focus their time and energy on activities that will enhance their educational experiences and better prepare them for the job market.

Practical Experience

Students are encouraged to earn credits by extending their learning beyond the classroom. Job shadowing opportunities exist that allow students to observe the performance of employees in careers related to their area of study. Students will have the opportunity to participate in tours, workshops, fairs, and conferences. An internship can be a part of a student's academic program and can take place any semester after the sophomore year for up to 12 credits. Student interns gain hands-on workplace experience, have opportunities to network with professionals, and may be

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offered a full-time position. Area organizations that have offered internships to VCSU students include: Affordable Promo, Barnes County Development Corporation, Doosan Bobcat, Go Promo, KOVC, i3G Media, ND Winter Show, VC Barnes County Public Library, and USDA.

Contact Information

Department Chair

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Department Location

Vangstad 125, (701) 845-7515

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<http://visit.vcsu.edu/>

(701) 845-7101 or (800) 532-8641, ext. 7101



**Learn more
about studying
Business
Administration
at Valley City
State University**

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
or ENGL 12!Introduction to Professional Writing		
or		
ENGL 120	College Composition II	
or ENGL 12!Introduction to Professional Writing		
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	2
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

ENGL 261	American Literature I
ENGL 262	American Literature II
HUM 201	Civilization, Thought, and Literary Heritage
PSYC 200	Ethics and Philosophy of Science
SPAN 101	1st Year Spanish I
SPAN 102	1st Year Spanish II
SPAN 201	2nd Year Spanish I
SPAN 202	2nd Year Spanish II
THEA 110	Introduction to Theatre Arts

Art and Music

Select one of the following: 3

ART 110	Introduction to the Visual Arts
ART 115	Introduction to Digital Media
ART 210	Art History I
ART 211	Art History II
ART 233	History of Craft
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 206	World Music
MUS 207	History of Rock and Roll

Social Science

Select 6 credits from the following: 6

COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics ¹
ECON 202	Principles of Macroeconomics ¹
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

¹ ECON 201 & ECON 202 are required for the Business Administration Major.

² Required

Major Requirements

Code	Title	Credits
Required Courses		
Electives/Internship		
ACCT 200	Elements of Accounting I	3
ACCT 201	Elements of Accounting II	3
ACCT 315	Business in the Legal Environment	3
BUSI 214	Business Communications	3
BUSI 336	Business Data Solutions	3
BUSI 350	Operations Management	3
BUSI 480	Strategic Planning	3
BUSI 485	Entrepreneurship	3
BUSI 491	Senior Seminar	1
CIS 329	Information Systems Management	3
FIN 375	Managerial Finance	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MGMT 460	International Business	3
MRKT 305	Principles of Marketing	3
Total Credits		46

Marketing Concentration

Code	Title	Credits
Required		
MRKT 310	Digital Marketing	3
MRKT 370	Advertising and Promotions	3
MRKT 415	Marketing Research	3
Directed Electives		12
Select 4 (12 Credits) from the following:		
COMM 314	Public Relations	
MRKT 340	Professional Sales	
MRKT 375	Consumer Behavior	
MRKT 405	Retailing	
MRKT 414	Social Media Management	
Total Credits		21

Total General Education 39 Hours

Total Major Requirement 46 Hours

Total Concentration Requirements 21 Hours

Total Credits Needed to Graduate 120 Hours

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year			
Fall	Credits Spring		Credits
ACCT 200	3	ACCT 201	3
CIS 170 (Gen Ed)	3	ENGL 125 (Gen Ed)	3
ENGL 110 (Gen Ed)	3	Lab Science (Gen Ed)	4
HPER 100 or 212 (Gen Ed)	2	MATH 104 or 107 (Gen Ed)	3
MGMT 270	3	Speech Communication (Gen Ed)	3
UNIV 150	1		
15		16	

Second Year			
Fall	Credits Spring		Credits
ACCT 315	3	BUSI 214	3
ECON 201 (Gen Ed)	3	BUSI 336	3

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FIN 375	3	ECON 202 (Gen Ed)	3
MRKT 310	3	MATH 210	3
MGMT 330	3	MRKT 305	3
15		15	
Third Year			
Fall	Credits	Spring	Credits
Additional Humanities or Social Science (Gen Ed)	2	BUSI 350	3
Art and Music (Gen Ed)	3	CIS 329	3
Lab Science (Gen Ed)	4	Directed Elective	3
Literacies (Gen Ed)	3	Elective	3
MRKT 370	3	Elective	3
15		15	
Fourth Year			
Fall	Credits	Spring	Credits
BUSI 480	3	BUSI 485	3
Directed Elective	3	BUSI 491	1
Directed Elective	3	Directed Elective	3
Elective	3	Elective	3
MGMT 460	3	Elective	1
		MRKT 415	3
15		14	
Total Credits 120			

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Online Course Rotation

Fall Even Years

ACCT 200	Elements of Accounting I	3
ACCT 315	Business in the Legal Environment	3
BUSI 214	Business Communications	3
BUSI 350	Operations Management	3
BUSI 485	Entrepreneurship	3
BUSI 491	Senior Seminar	1
BUSI 497	Internship	3-12
ECON 202	Principles of Macroeconomics	3
MATH 210	Elementary Statistics	3
MRKT 305	Principles of Marketing	3
MRKT 405	Retailing	3

Fall Odd Years

ACCT 200	Elements of Accounting I	3
ACCT 315	Business in the Legal Environment	3
BUSI 214	Business Communications	3
BUSI 350	Operations Management	3
BUSI 485	Entrepreneurship	3
BUSI 491	Senior Seminar	1
BUSI 497	Internship	3-12
ECON 202	Principles of Macroeconomics	3
FIN 375	Managerial Finance	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MRKT 305	Principles of Marketing	3
MRKT 370	Advertising and Promotions	3

Spring Even Years

ACCT 201	Elements of Accounting II	3
ACCT 315	Business in the Legal Environment	3
BUSI 336	Business Data Solutions	3
BUSI 480	Strategic Planning	3
BUSI 497	Internship	3-12
ECON 201	Principles of Microeconomics	3
MATH 210	Elementary Statistics	3
MGMT 330	Principles of Management	3
MGMT 460	International Business	3
MRKT 310	Digital Marketing	3
MRKT 340	Professional Sales	3
MRKT 414	Social Media Management	3
MRKT 415	Marketing Research	3

Spring Odd Years

ACCT 201	Elements of Accounting II	3
ACCT 315	Business in the Legal Environment	3
BUSI 336	Business Data Solutions	3
BUSI 480	Strategic Planning	3
BUSI 497	Internship	3-12
CIS 329	Information Systems Management	3
MATH 210	Elementary Statistics	3
ECON 201	Principles of Microeconomics	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MGMT 460	International Business	3
MRKT 310	Digital Marketing	3
MRKT 375	Consumer Behavior	3

Summer Even Years

BUSI 214	Business Communications	3
BUSI 350	Operations Management	3
BUSI 480	Strategic Planning	3
BUSI 497	Internship	3-12
MATH 210	Elementary Statistics	3

MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MRKT 305	Principles of Marketing	3

Summer Odd Years

BUSI 214	Business Communications	3
BUSI 485	Entrepreneurship	3
BUSI 497	Internship	3-12
FIN 375	Managerial Finance	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MGMT 460	International Business	3
MRKT 305	Principles of Marketing	3
MRKT 340	Professional Sales	3

Face-to-Face Course Rotation

Fall Even Years

ACCT 200	Elements of Accounting I	3
BUSI 336	Business Data Solutions	3
BUSI 480	Strategic Planning	3
ECON 201	Principles of Microeconomics	3
FIN 375	Managerial Finance	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MGMT 460	International Business	3
MRKT 310	Digital Marketing	3
MRKT 370	Advertising and Promotions	3

Fall Odd Years

ACCT 200	Elements of Accounting I	3
BUSI 336	Business Data Solutions	3
BUSI 480	Strategic Planning	3
ECON 201	Principles of Microeconomics	3
MATH 210	Elementary Statistics	3
MGMT 330	Principles of Management	3
MGMT 460	International Business	3
MRKT 310	Digital Marketing	3
MRKT 405	Retailing	3

Spring Even Years

ACCT 201	Elements of Accounting II	3
BUSI 214	Business Communications	3
BUSI 350	Operations Management	3
BUSI 387	Business Practicum	1-12
BUSI 485	Entrepreneurship	3
BUSI 491	Senior Seminar	1
CIS 329	Information Systems Management	3
ECON 202	Principles of Macroeconomics	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MRKT 305	Principles of Marketing	3
MRKT 375	Consumer Behavior	3

Spring Odd Years

ACCT 201	Elements of Accounting II	3
BUSI 214	Business Communications	3
BUSI 350	Operations Management	3
BUSI 387	Business Practicum	1-12
BUSI 485	Entrepreneurship	3
BUSI 491	Senior Seminar	1
ECON 202	Principles of Macroeconomics	3
MATH 210	Elementary Statistics	3
MRKT 305	Principles of Marketing	3
MRKT 340	Professional Sales	3
MRKT 414	Social Media Management	3
MRKT 415	Marketing Research	3

Learning Outcomes

Students will:

1. Demonstrate knowledge of core business functional areas.
2. Integrate the core areas of business to inform decision making.
3. Demonstrate professional business communication.
4. Demonstrate the ability to collaborate with diverse colleagues.

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5. Apply legal and ethical principles in business to organizational decision making.
6. Demonstrate leadership skills.

Business Education

About this Major

The Business Education Composite major prepares students for various teaching positions in junior and senior high school. Graduates are prepared to teach courses such as keyboarding, accounting, general business, business law, marketing, management and computer applications. Students may become licensed by the Education Standards and Practices Board to teach Business Education with the option of an additional endorsement in Marketing Education. Graduates are also prepared for careers as business professionals.

Career Experiences

Students are required to participate in three field experiences in the secondary classroom. These experiences include an Introduction to Secondary Teaching, a classroom management practicum, and a 12-week student teaching field experience. Student teaching is the culminating experience of the program and the opportunity for students to apply all they have learned.

Meet a Graduate



"I had an amazing experience in my time in the business education program at VCSU. The faculty and staff were easy to work with and very knowledgeable. They thoroughly trained me in the field of education, and I felt very prepared to start my teaching career when I graduated. However, they didn't just shape me into a teacher, they took time to form me into the total person I am today. I couldn't be more grateful for this, and I highly encourage prospective students to enter this program." — Richard Wright '14, Starkweather, N.D.; business teacher, Montpelier (N.D.) Public Schools

Get Involved in your Major

Business Club: There are many ways to get involved in your major. Among other things, you can participate in competitions, attend guest lectures, or join the business club. The goal of the club is to provide opportunities for students to develop the skills, abilities, and leadership qualities necessary to enter and be successful in the workplace. This organization allows business students to network and focus their time and energy on activities that will enhance their educational experiences and better prepare them for the job market.



Accreditations

- Council for the Accreditation of Educator Preparation (CAEP)

Teacher Education Requirements

Students are typically admitted into Teacher Education during their sophomore year or beginning of their junior year of college. This program requires a minimum cumulative GPA of 2.75 or higher and successful completion of the Praxis I test. Additional criteria for Admission to Teacher Education can be found at the following website: www.onestop.vcsu.edu (<https://onestop.vcsu.edu/support/solutions/articles/10000052001-teacher-education/>).

Contact Information

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Faculty Contact

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Department Location

Vangstad 125, (701) 845-7515

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About VCSU

Our Foundation

VCSU isn't just a place to get an education – it's a community built on tradition that is powered by bright, innovative students who bring new ideas and potential.

Our Students

Here, students can be individuals and embrace their genuine selves while taking advantage of opportunities only VCSU can provide. Take a look at our unique make-up of individuals from all over the globe and different backgrounds, and see what makes us a favored landing place for talented students. VCSU is a launchpad that will help students leap into their careers or prepare them for graduate-level education.

Our Mission

From our humble history as a teacher's college to our modern, accredited university with over 65 areas of study, we use our focus on technology to make information easy to access and to follow our vision – delivering distinctive, learner-centered experiences.

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems ¹	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

ENGL 261	American Literature I
ENGL 262	American Literature II
HUM 201	Civilization, Thought, and Literary Heritage
PSYC 200	Ethics and Philosophy of Science
SPAN 101	1st Year Spanish I
SPAN 102	1st Year Spanish II
SPAN 201	2nd Year Spanish I
SPAN 202	2nd Year Spanish II
THEA 110	Introduction to Theatre Arts

Art and Music

Select one of the following: 3

ART 110	Introduction to the Visual Arts
ART 115	Introduction to Digital Media
ART 210	Art History I
ART 211	Art History II
ART 233	History of Craft
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 206	World Music
MUS 207	History of Rock and Roll

Social Science

Select 6 credits from the following: 6

COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology ¹
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

¹ Required

Major Requirements

Code	Title	Credits
Required Courses		
ACCT 200	Elements of Accounting I	3

ACCT 201	Elements of Accounting II	3
ACCT 315	Business in the Legal Environment	3
ART 245	Introduction to Web Design	3
BUSI 102	Keyboarding Methods	3
BUSI 214	Business Communications	3
BUSI 336	Business Data Solutions	3
BUSI 485	Entrepreneurship	3
BUSI 490	Methods and Materials for Teaching Business Subjects	3
CIS 329	Information Systems Management	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MRKT 305	Principles of Marketing	3

Required for Career & Technical Education Certification by the ND Dept of Career & Technical Education:

BUSI 490	Methods and Materials for Teaching Business Subjects
CTE 431	History, Philosophy and Practices of Career and Technical Education
CTE 434	Leadership in Career and Technical Student Organizations (no longer required for CTE certification)

Total Credits 39

Total General Education 39 Hrs

Total Major Requirement 39 Hrs

Total Professional Education Sequence 32-33 Hrs

Total Credits Needed to Graduate 120 Hrs

Professional Education Sequence

Code	Title	Credits
Professional Education Sequence		
EDUC 240	Educating Exceptional Students	3
EDUC 250	Introduction to Education	3
EDUC 283	Understanding Cultural Diversity in Education	3
EDUC 300	Educational Technology	2
EDUC 351	Secondary Practicum and Classroom Management	1
EDUC 352	Culturally Diverse Practicum	1
or EDUC 464	Practicum in the ELL Classroom	
EDUC 375	Teaching Reading in the Content Areas	2
EDUC 400	Educational Psychology	2
EDUC 450	Trends in Assessment and Educational Issues	2
EDUC 480	Student Teaching (Secondary)	10
PSYC 250	Developmental Psychology	3
Total Credits		32

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year

Fall	Credits	Spring	Credits
CIS 170 (Gen Ed)	3	Art and Music (Gen Ed)	3
ENGL 110 (Gen Ed)	3	BUSI 336	3
HPER 100 or 212 (Gen Ed)	2	ENGL 125 (Gen Ed)	3
Lab Science (Gen Ed)	4	Lab Science (Gen Ed)	4
MGMT 270	3	MATH 104, 107, or 210 (Gen Ed)	3
15		16	

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Second Year

Fall	Credits	Spring	Credits
ACCT 200	3	ACCT 201	3
BUSI 214	3	CIS 329	3
EDUC 240	3	COMM 110 (Gen Ed)	3
EDUC 250	3	MGMT 330	3
Social Science (Gen Ed)	3	PSYC 111 (Gen Ed)	3
15		15	

Third Year

Fall	Credits	Spring	Credits
ART 245	3	BUSI 102	3
CTE 431	3	CTE 434	3
EDUC 352	1	EDUC 283	3
EDUC 375	2	EDUC 300	2
Literacies (Gen Ed)	3	Elective	1
MRKT 305	3	PSYC 250	3
		Additional Humanities or Social Science (Gen Ed)	2
15		17	

Fourth Year

Fall	Credits	Spring	Credits
ACCT 315	3	EDUC 480	10
BUSI 485	3		
BUSI 490	3		
EDUC 351	1		
EDUC 400	2		
EDUC 450	2		
Elective	3		
17		10	

Total Credits 120

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. Demonstrate with competency the business education content knowledge in the areas of accounting, finance, computer and information systems, management, marketing, business communication, keyboarding, and current technology applications. (AL)
2. Demonstrate the ability to communicate written lesson plan objectives and develop a unit of study. (AL)
3. Apply knowledge of work place readiness skills, including; communication, problem solving, collaboration and teamwork, emotional intelligence, ethical behavior and professionalism. and an appreciation for diversity and inclusion. (IS)
4. Explore and identify engaging technology for use in student engagement in the classroom. (TS)

Business Education

About this Composite Major

The Business Education Composite major prepares students for various teaching positions in junior and senior high school. Graduates of this VCSU major are prepared to teach courses such as keyboarding, accounting, general business, business law, marketing, management and computer applications. Students may become licensed by the Education Standards and Practices Board to teach Business Education with the option of an additional endorsement in Marketing Education. Graduates are also prepared for careers as business professionals.

Students are required to participate in three field experiences in the secondary classroom. These experiences include an Introduction to Secondary Teaching, a classroom management practicum, and a 12-week student teaching field experience. Student teaching is the culminating experience of the program and the opportunity for students to apply all they have learned.

Get Involved in your Major

Business Club: There are many ways to get involved in your major. Among other things, you can participate in competitions, attend guest lectures, or join the business club. The goal of the club is to provide opportunities for students to develop the skills, abilities, and leadership qualities necessary to enter and be successful in the workplace. This organization allows business students to network and focus their time and energy on activities that will enhance their educational experiences and better prepare them for the job market.



Meet a Graduate

"I had an amazing experience in my time in the business education program at VCSU. The faculty and staff were easy to work with and very knowledgeable. They thoroughly trained me in the field of education, and I felt very prepared to start my teaching career when I graduated. However, they didn't just shape me into a teacher, they took time to form me into the total person I

am today. I couldn't be more grateful for this, and I highly encourage prospective students to enter this program."
—Richard Wright '14, Starkweather, N.D.; business teacher, Montpelier (N.D.) Public Schools



Accreditations

- Council for the Accreditation of Educator Preparation (CAEP)

Teacher Education Requirements

Students are typically admitted into Teacher Education during their sophomore year or the beginning of their junior year of college. This program requires a minimum cumulative GPA of 2.75 or higher and successful completion of the Praxis I test. Additional criteria for Admission to Teacher Education can be found at the following website: www.onestop.vcsu.edu (<https://onestop.vcsu.edu/support/solutions/articles/10000052001-teacher-education/>).

Contact Information

Department Chair

Brenda Tyre, brenda.tyre@vcsu.edu, (701) 845-7515

Faculty Contact

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Department Location

Vangstad 125, (701) 845-7515

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General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
or ENGL 12!	Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
or ENGL 12!	Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems ¹	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities Literacies		
Select one of the following:		
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	
Art and Music		
Select one of the following:		3
ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 206	World Music	
MUS 207	History of Rock and Roll	
Social Science		
Select 6 credits from the following:		6
COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
GEOG 151	Human Geography	
HIST 103	United States to 1877	
HIST 104	United States to Present	
HIST 211	World Civilizations to 1500	
HIST 212	World Civilizations since 1500	
HIST 267	Environmental History	
HIST 270	Native American Studies	
POLS 115	American National Government	
POLS 116	State and Local Government	
PSYC 111	Introduction to Psychology ¹	
SOC 110	Introduction to Sociology	
SOC 111	Introduction to Anthropology	
Additional Humanities or Social Science		
Select one additional course from Humanities or Social Science		2
or select from the following:		
ART 122	Two-Dimensional Design	
ART 130	Drawing I	
ART 150	Ceramics I	
ART 180	Photography I	
GEOG 111	Survey of Geography	
MUS 104	Group Piano for Non-Majors	
MUS 105	Group Piano for Non-Majors	
MUS 130	Valkyries	
MUS 131	Concert Choir	
MUS 140	Athletic Band	
MUS 141	Concert Band	
PHYS 275	Planetarium Science	
THEA 201	Theatre Practicum	
Total Credits		36

¹ Required

Major Requirements

Code	Title	Credits
Required Courses		
ACCT 200	Elements of Accounting I	3

ACCT 201	Elements of Accounting II	3
ACCT 315	Business in the Legal Environment	3
ART 245	Introduction to Web Design	3
BUSI 102	Keyboarding Methods	3
BUSI 214	Business Communications	3
BUSI 336	Business Data Solutions	3
BUSI 485	Entrepreneurship	3
BUSI 490	Methods and Materials for Teaching Business Subjects	3
CIS 329	Information Systems Management	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MRKT 305	Principles of Marketing	3

Required for Career & Technical Education Certification by the ND Dept of Career & Technical Education:

BUSI 490	Methods and Materials for Teaching Business Subjects	
CTE 431	History, Philosophy and Practices of Career and Technical Education	
CTE 434	Leadership in Career and Technical Student Organizations	

Directed Electives

Select fifteen hours from the following:		15
CTE 431	History, Philosophy and Practices of Career and Technical Education	
CTE 434	Leadership in Career and Technical Student Organizations	
FIN 375	Managerial Finance	
MGMT 340	Human Resource Management	
MGMT 372	Foundations of Leadership	
MRKT 340	Professional Sales	
MGMT 460	International Business	
MRKT 370	Advertising and Promotions	
MRKT 405	Retailing	

Total Credits 54

Total General Education 39 Hrs

Total Major Requirement 54 Hrs

Total Professional Education Sequence 32-33 Hrs

Total Credits Needed to Graduate 120 Hrs

Professional Education Sequence

Code	Title	Credits
Professional Education Sequence		
EDUC 240	Educating Exceptional Students	3
EDUC 250	Introduction to Education	3
EDUC 283	Understanding Cultural Diversity in Education	3
EDUC 300	Educational Technology	2
EDUC 351	Secondary Practicum and Classroom Management	1
EDUC 352	Culturally Diverse Practicum	1
or EDUC 464	Practicum in the ELL Classroom	
EDUC 375	Teaching Reading in the Content Areas	2
EDUC 400	Educational Psychology	2
EDUC 450	Trends in Assessment and Educational Issues	2
EDUC 480	Student Teaching (Secondary)	10
PSYC 250	Developmental Psychology	3
Total Credits		32

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year

Fall	Credits	Spring	Credits
CIS 170 (Gen Ed)	3	Art and Music (Gen Ed)	3
ENGL 110 (Gen Ed)	3	BUSI 214	3
Lab Science (Gen Ed)	4	ENGL 125 (Gen Ed)	3
MGMT 330	3	HPER 100 or 212 (Gen Ed)	2
UNIV 150	1	Lab Science (Gen Ed)	4
		MATH 104, 107, or 210 (Gen Ed)	3
	14		18

Second Year

Fall	Credits	Spring	Credits
ACCT 200	3	ACCT 201	3
BUSI 336	3	CIS 329	3
EDUC 240	3	COMM 110 (Gen Ed)	3
EDUC 250	3	MRKT 305	3
MGMT 270	3	PSYC 111 (Gen Ed)	3
Social Science (Gen Ed)	3	Additional Humanities or Social Science (Gen Ed)	2
	18		17

Third Year

Fall	Credits	Spring	Credits
ACCT 315	3	BUSI 102	3
ART 245	3	BUSI 485	3
CTE 431	3	CTE 434	3
Directed Elective	3	EDUC 283	3
EDUC 352	1	EDUC 300	2
EDUC 375	2	PSYC 250	3
Literacies (Gen Ed)	3		
	18		17

Fourth Year

Fall	Credits	Spring	Credits
BUSI 490	3	EDUC 480	10
Directed Elective	3		
Directed Elective	3		
EDUC 351	1		
EDUC 400	2		
EDUC 450	2		
	14		10

Total Credits 126

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. Demonstrate with competency the business education content knowledge in the areas of accounting, finance, computer and information systems, management, marketing, business communication, keyboarding, and current technology applications. (AL)
2. Demonstrate the ability to communicate written lesson plan objectives and develop a unit of study. (AL)

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3. Apply knowledge of work place readiness skills, including; communication, problem solving, collaboration and teamwork, emotional intelligence, ethical behavior and professionalism. and an appreciation for diversity and inclusion. (IS)
4. Explore and identify engaging technology for use in student engagement in the classroom. (TS)

Business Process Integration Management

About this Composite Major

Students who successfully complete the BPIM major demonstrate communication, problem-solving, business, collaboration and technical skills. Graduates will work with all areas of a business to evaluate, plan, and improve business processes. The major prepares students for business analyst, functional analyst, information systems analyst and process improvement analyst positions. This occupation in particular requires the ability to understand business requirements and apply the knowledge learned to implement and manage information systems in an organization.

Meet a Graduate



"I don't think (actually – I know) I wouldn't be the person I am today without giving my hats off to VCSU. I think back to my years on campus and how close knit a lot of us were. We all came from different backgrounds and walks of life, and yet, we conquered the world together at VCSU. I think that goes to show what kind of community the college has."
- Tasha Piehl-Thomas, BPIM graduate

Career Opportunities

Career opportunities can include positions such as:

- Business Analyst
- Functional Analyst
- Digital Solutions Manager
- Information Systems Analyst
- Process Improvement Analyst



Get Involved in your Major

There are various clubs on campus including a Business Club. This organization allows business students to choose the specific focus of their time and energy to enhance their educational experiences. Club activities often create networking opportunities and real-life experiences to better prepare students for the job market of their choice.



Practical Experience

Students are encouraged to earn credits by extending their learning beyond the classroom. Job shadowing opportunities exist that allow students to observe the performance of employees in careers related to their area of study. Students will have the opportunity to participate in tours, workshops, fairs, and conferences.

An internship can be a part of a student's academic program and can take place any semester after sophomore year for up to 12 credits. Student interns gain hands-on workplace experience, have opportunities to network with professionals, and may be offered a full-time position. Area organizations that have offered internships to VCSU students include Collins Aerospace, Doosan Bobcat, Enterprise Rent-A-Car, FEI, Inc., Menards, National Information Solution Cooperative (NISC), ND IT Department, and UT Cargo Systems.

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Contact Information

Department Chair and Faculty Contact

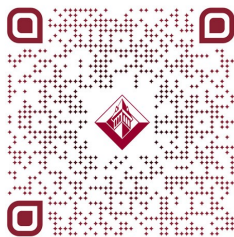
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Department Location

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Management
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General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II or ENGL 12!Introduction to Professional Writing	
or		
ENGL 120	College Composition II or ENGL 12!Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	

PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems ¹	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	
ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	
Art and Music		
Select one of the following:		3
ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 206	World Music	
MUS 207	History of Rock and Roll	
Social Science		
Select 6 credits from the following:		6
COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics ¹	
ECON 202	Principles of Macroeconomics ¹	
GEOG 151	Human Geography	
HIST 103	United States to 1877	
HIST 104	United States to Present	
HIST 211	World Civilizations to 1500	
HIST 212	World Civilizations since 1500	
HIST 267	Environmental History	
HIST 270	Native American Studies	
POLS 115	American National Government	
POLS 116	State and Local Government	
PSYC 111	Introduction to Psychology	
SOC 110	Introduction to Sociology	
SOC 111	Introduction to Anthropology	
Additional Humanities or Social Science		
Select one additional course from Humanities or Social Science or select from the following:		2

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

¹ Required

Major Requirements

Code	Title	Credits
Business Core		
ACCT 200	Elements of Accounting I	3
ACCT 201	Elements of Accounting II	3
BUSI 336	Business Data Solutions	3
BUSI 350	Operations Management	3
BUSI 485	Entrepreneurship	3
FIN 375	Managerial Finance	3
MATH 210	Elementary Statistics	3
MGMT 330	Principles of Management	3
MGMT 381	Project Management	3
MGMT 460	International Business	3
MRKT 305	Principles of Marketing	3
Computer Information Systems		
CIS 329	Information Systems Management	3
CIS 369	Enterprise Systems	3
CIS 371	Enterprise Systems II	3
CIS 470	Customer Relationship Management (CRM) and Business Intelligence (BI)	4
SE 380	Systems Analysis and Design	3
Communication		
COMM 304	Corporate Training	3
COMM 360	Group Dynamics	3
COMM 483	Organizational Communication	3
ENGL 420	Writing for the Web	3
Directed Electives		
Select twelve hours from the following:		12
BUSI 480	Strategic Planning	
BUSI 491	Senior Seminar	
BUSI 497	Internship	
CIS 475	Integration of Business Processes in SAP ERP	
COMM 315	Digital Communication	
MGMT 270	Business Ethics	
MGMT 372	Foundations of Leadership	
MRKT 340	Professional Sales	
MRKT 415	Marketing Research	
Total Credits		73

Total General Education 39 Hrs

Total Major Requirement 73 Hrs

Total Credits Needed to Graduate 120 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

Fall start - even years

First Year			
Fall	Credits	Spring	Credits
CIS 170 (Gen Ed)	3	Additional Humanities or Social Science (Gen Ed)	2
ENGL 110 (Gen Ed)	3	ENGL 125 (Gen Ed)	3
HPER 100 or 212 (Gen Ed)	2	Lab Science (Gen Ed)	4
Lab Science (Gen Ed)	4	MATH 104 or 107 (Gen Ed)	3
UNIV 150	1	Speech Communications (Gen Ed)	3
13		15	

Second Year			
Fall	Credits	Spring	Credits
ACCT 200	3	ACCT 201	3
CIS 369	3	BUSI 336	3
COMM 304	3	CIS 329	3
ECON 201 (Gen Ed)	3	ECON 202 (Gen Ed)	3
Literacies (Gen Ed)	3	MATH 210	3
SE 380	3		
18		15	

Third Year			
Fall	Credits	Spring	Credits
COMM 360	3	Art and Music (Gen Ed)	
CIS 470	4	CIS 371	3
FIN 375	3	Directed Elective	3
MRKT 305	3	MGMT 330	3
MGMT 460	3	MGMT 381	3
16		12	

Fourth Year			
Fall	Credits	Spring	Credits
BUSI 350	3	BUSI 491	1
BUSI 485	3	COMM 483	3
Directed Elective	3	Directed Elective	3
Elective	3	Directed Elective	3
ENGL 420	3	Elective	3
15		13	

Total Credits 117

Fall start - odd years

First Year			
Fall	Credits	Spring	Credits
CIS 170 (Gen Ed)	3	Additional Humanities or Social Science (Gen Ed)	2
ENGL 110 (Gen Ed)	3	ENGL 125 (Gen Ed)	3
HPER 100 or 212 (Gen Ed)	2	Lab Science (Gen Ed)	4
Lab Science (Gen Ed)	4	MATH 104 or 107 (Gen Ed)	3
UNIV 150	1	Speech Communications (Gen Ed)	3
13		15	

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Second Year

Fall	Credits	Spring	Credits
ACCT 200	3	ACCT 201	3
Directed Elective	3	Art and Music (Gen Ed)	3
ECON 201 (Gen Ed)	3	BUSI 336	3
Literacies (Gen Ed)	3	ECON 202 (Gen Ed)	3
MRKT 305	3	MATH 210	3
MGMT 460	3		
	18		15

Third Year

Fall	Credits	Spring	Credits
CIS 369	3	CIS 329	3
COMM 304	3	CIS 371	3
COMM 360	3	COMM 483	3
ENGL 420	3	Elective	3
SE 380	3	MGMT 330	3
	15		15

Fourth Year

Fall	Credits	Spring	Credits
BUSI 350	3	BUSI 491	1
BUSI 485	3	Directed Elective	3
CIS 470	4	Directed Elective	3
Directed Elective	3	Elective	3
FIN 375	3	Elective	3
	16		13

Total Credits 120

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Online Course Rotation

Fall Even Years

ACCT 200	Elements of Accounting I	3
BUSI 350	Operations Management	3
BUSI 485	Entrepreneurship	3
BUSI 491	Senior Seminar	1
BUSI 497	Internship	3-12
CIS 369	Enterprise Systems	3
COMM 304	Corporate Training	3
ECON 202	Principles of Macroeconomics	3
MATH 210	Elementary Statistics	3
MGMT 372	Foundations of Leadership	3
MRKT 305	Principles of Marketing	3

Fall Odd Years

ACCT 200	Elements of Accounting I	3
BUSI 350	Operations Management	3
BUSI 485	Entrepreneurship	3
BUSI 491	Senior Seminar	1
BUSI 497	Internship	3-12
COMM 360	Group Dynamics	3
CIS 369	Enterprise Systems	3
CIS 470	Customer Relationship Management (CRM) and Business Intelligence (BI)	4
COMM 304	Corporate Training	3
COMM 315	Digital Communication	3
ECON 202	Principles of Macroeconomics	3

ENGL 420	Writing for the Web	3
FIN 375	Managerial Finance	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MRKT 305	Principles of Marketing	3
SE 380	Systems Analysis and Design	3

Spring Even Years

ACCT 201	Elements of Accounting II	3
BUSI 336	Business Data Solutions	3
BUSI 480	Strategic Planning	3
BUSI 497	Internship	3-12
CIS 371	Enterprise Systems II	3
COMM 483	Organizational Communication	3
ECON 201	Principles of Microeconomics	3
MATH 210	Elementary Statistics	3
MGMT 330	Principles of Management	3
MGMT 460	International Business	3
MRKT 340	Professional Sales	3
MRKT 415	Marketing Research	3

Spring Odd years

ACCT 201	Elements of Accounting II	3
BUSI 336	Business Data Solutions	3
BUSI 480	Strategic Planning	3
BUSI 497	Internship	3-12
CIS 329	Information Systems Management	3
COMM 483	Organizational Communication	3
MATH 210	Elementary Statistics	3
ECON 201	Principles of Microeconomics	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MGMT 460	International Business	3

Summer Even Years

BUSI 350	Operations Management	3
BUSI 480	Strategic Planning	3
BUSI 497	Internship	3-12
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MGMT 381	Project Management	3
MRKT 305	Principles of Marketing	3

Summer Odd Years

BUSI 485	Entrepreneurship	3
BUSI 497	Internship	3-12
FIN 375	Managerial Finance	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MGMT 460	International Business	3
MRKT 305	Principles of Marketing	3
MRKT 340	Professional Sales	3

Face-to-Face Course Rotation

Fall Even Years

ACCT 200	Elements of Accounting I	3
BUSI 336	Business Data Solutions	3
BUSI 480	Strategic Planning	3
COMM 304	Corporate Training	3
COMM 360	Group Dynamics	3
ECON 202	Principles of Macroeconomics	3
FIN 375	Managerial Finance	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3

MGMT 460	International Business	3
SE 380	Systems Analysis and Design	3

Fall Odd Years

ACCT 200	Elements of Accounting I	3
BUSI 336	Business Data Solutions	3
BUSI 480	Strategic Planning	3
ECON 202	Principles of Macroeconomics	3
MATH 210	Elementary Statistics	3
MGMT 330	Principles of Management	3
MGMT 372	Foundations of Leadership	3
MGMT 460	International Business	3

Spring Even Years

ACCT 201	Elements of Accounting II	3
BUSI 350	Operations Management	3
BUSI 485	Entrepreneurship	3
CIS 329	Information Systems Management	3
CIS 369	Enterprise Systems	3
ECON 201	Principles of Microeconomics	3
MATH 210	Elementary Statistics	3
MGMT 270	Business Ethics	3
MGMT 381	Project Management	3
MRKT 305	Principles of Marketing	3

Spring Odd Years

ACCT 201	Elements of Accounting II	3
BUSI 350	Operations Management	3
BUSI 485	Entrepreneurship	3
CIS 369	Enterprise Systems	3
CIS 371	Enterprise Systems II	3
ECON 201	Principles of Microeconomics	3
MATH 210	Elementary Statistics	3
MGMT 381	Project Management	3
MRKT 305	Principles of Marketing	3
MRKT 340	Professional Sales	3
MRKT 415	Marketing Research	3

Learning Outcomes

Students will:

1. Demonstrate knowledge of core business functional areas.
2. Integrate the core areas of business to inform decision making.
3. Demonstrate professional business communication.
4. Demonstrate the ability to collaborate with diverse colleagues.
5. Apply legal and ethical principles in business to organizational decision making.
6. Demonstrate leadership skills.

Career and Technical Education

About this Composite Major

This degree prepares you for teaching positions in Career and Technical Education (CTE) high school and college programs. Graduates with the CTE Composite Major are prepared to teach in trade, industry, technical fields including areas such as automotive technology, construction technology, electronics, health careers, and welding.

Non-teaching program graduates may also seek management or entrepreneurial careers in the private trade, industry, technical or health fields. To be eligible for the degree, students should have a documented technical specialty area.

Meet a Graduate



What made you choose VCSU?

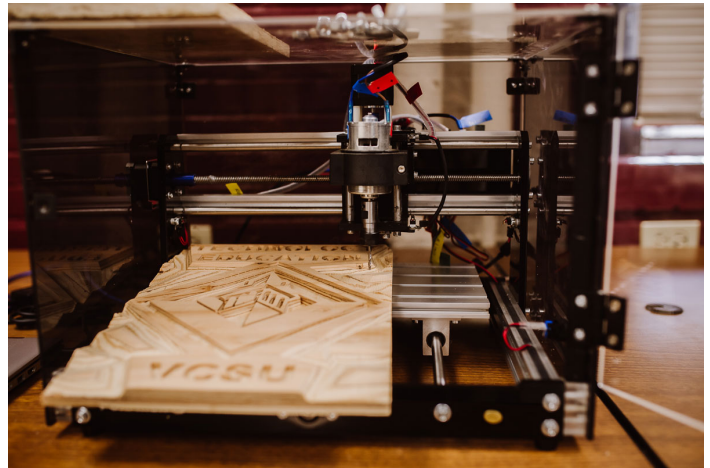
"After speaking with the advisor, Rick Ross, I felt very comfortable that this would be a great option for me. Having the Prior Learning Credit option helped me achieve the degree much quicker and still feel as if I gained the knowledge where I needed it." - Devin Anderson, CTE Online Graduate

What Do Professionals Say About VCSU's CTE Degree?

"The CTE baccalaureate degree has helped our CTE faculty become well versed in the Career and Technical Education field. They were experts in their specific occupational fields, but, in most cases, had little background in Career and Technical Education and educational theory. We have seen great personal and professional growth in our CTE faculty who have completed their degrees from VCSU. As a whole they are more confident and skilled in their teaching, and we have seen several assume leadership roles on campus." —Doug Darling, President, Lake Region State College

"Through Valley City State University I was able to take advantage of their program of Prior Learning Assessment. With this program, I was able to earn 12 credits quite quickly by proving I have done work in my professional

career that would prove I had mastered the material taught in those courses. It was quite a savings in time and money."
— Charlie Haydt, Pennsylvania; BSED Career and Technical Education, 2018



Contact Information

Department Chair

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Faculty Contact

Richard Ross, rick.ross@vcsu.edu, (701) 845-7182

Department Location

Vangstad 125, (701) 845-7515

Schedule your visit today!

<http://visit.vcsu.edu/>

(701) 845-7101 or (800) 532-8641, ext. 7101

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
or ENGL 12!	Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
or ENGL 12!	Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

ENGL 261	American Literature I
ENGL 262	American Literature II
HUM 201	Civilization, Thought, and Literary Heritage
PSYC 200	Ethics and Philosophy of Science
SPAN 101	1st Year Spanish I
SPAN 102	1st Year Spanish II
SPAN 201	2nd Year Spanish I
SPAN 202	2nd Year Spanish II
THEA 110	Introduction to Theatre Arts
Art and Music	
Select one of the following:	
ART 110	Introduction to the Visual Arts
ART 115	Introduction to Digital Media
ART 210	Art History I
ART 211	Art History II
ART 233	History of Craft
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 206	World Music
MUS 207	History of Rock and Roll
Social Science	
Select 6 credits from the following:	
COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology
Additional Humanities or Social Science	
Select one additional course from Humanities or Social Science or select from the following:	
ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum
Total Credits	

39

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Major Requirements

Code	Title	Credits
Required Technical Specialty		
Students who have successfully completed a ND Department of Career and Technical Education approved post-secondary program in their area of technical specialty from area Career and Technical (CTE) institutions, or possess an associate of applied science degree or its equivalent, are eligible for technical specialty credits. Students who meet work experience requirements, but have not completed an approved Trade, Technical, and Health Education program, may apply for Technical Specialty Life Experience credits through the Prior Learning Assessment Program.		36-50
CTE 431	History, Philosophy and Practices of Career and Technical Education	3
CTE 434	Leadership in Career and Technical Student Organizations	3
CTE 437	Student Performance Evaluation in Career and Technical Education	3
CTE 438	Developing and Managing Competency-Based Instructional Materials	3
CTE 490	Methods for Teaching Career & Technical Education Subjects	3
EDUC 250	Introduction to Education	3
TECH 356	Safety and Management in Technology Education	3
TECH 416	Innovations in Energy and Power Technologies	3
Choose 12 credits from the following:		12
CTE 432	Coordinating Cooperative Education Learning	
CTE 492	Career and Technology Education Teaching Experience ^{1, 2}	
or EDUC 492 Clinical Practice		
EDUC 240	Educating Exceptional Students	
EDUC 300	Educational Technology	
EDUC 400	Educational Psychology	
SPED 310	Behavior Modification	
SPED 340	Learning Disabilities, Emotional Disorders, and Intellectual Disabilities	
STEM ED 450	Engineering the Future Using Computational Thinking	
Total Credits		72-86

2. Content – Students will acquire knowledge and skills necessary to demonstrate competence in technological literacy
3. Application – Students will demonstrate competency in technology education content and apply this knowledge in real world experiences.

¹ If you are intending on licensing in a state other than North Dakota and need a student teaching/mentor-based experience, take CTE 492. You may sign up for a range of credits from 1-12 credits depending on your home state requirements regarding student teaching experience.

² If you are intending on licensing in North Dakota and need a student teaching/mentor-based experience, you must take EDUC 492 (Fall and Spring) within your first two years of school employment.

Total General Education 39 Hrs

Total Major Requirement 72-86 Hrs

Total Credits Needed to Graduate 120 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Learning Outcomes

1. Methodology – Students will develop knowledge necessary for program development, implementation, evaluation and assessment of student learning.

— Charlie Haydt, Pennsylvania; BSED Career and Technical Education, 2018

Career and Technical Education B.S. in Education

About this Composite Major

Students pursuing this degree can build upon an associate's degree to become certified to teach in trade, industry, or allied health. This degree prepares graduates for teaching positions in Career and Technical Education (CTE) high school and college programs. Graduates with the CTE Composite Major are prepared to teach in trade, industry, and technical fields including areas such as:

- Automotive technology
- Construction technology
- Electronics
- Allied health careers
- Welding

To be eligible for the degree students should have a documented technical specialty area.

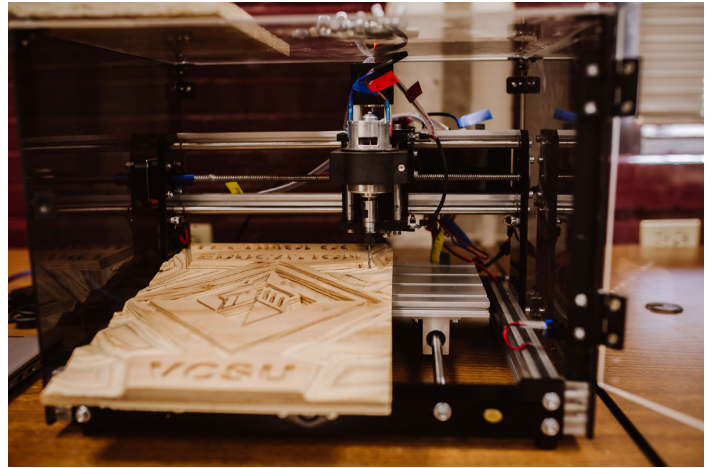
Meet an Employer and a Student



"The CTE baccalaureate degree has helped our CTE faculty become well versed in the Career and Technical Education field. They were experts in their specific occupational fields, but, in most cases, had little background in Career and Technical Education and educational theory. We have seen great personal and professional growth in our CTE faculty who have completed their degrees from VCSU. As a whole they are more confident and skilled in their teaching, and we have seen several assume leadership roles on campus."
—Doug Darling, President, Lake Region State College

"Through Valley City State University I was able to take advantage of their program of Prior Learning Assessment. With this program, I was able to earn 12 credits quite quickly by proving I have done work in my professional career that would prove I had mastered the material taught in those courses. It was quite a savings in time and money."

Teacher Education Requirements



Students are typically admitted into Teacher Education during their sophomore year or beginning of their junior year of college. This program requires a minimum cumulative GPA of 2.75 or higher and successful completion of the Praxis I test. Additional criteria for Admission to Teacher Education can be found at the following website: www.onestop.vcsu.edu (<https://onestop.vcsu.edu/support/solutions/articles/10000052001-teacher-education/>).

Contact Information

Department Chair

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General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		

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Select one of the following: 3

MATH 103	College Algebra
MATH 104	Finite Mathematics
MATH 107	Precalculus
MATH 110	Mathematics in Society
MATH 165	Calculus I
MATH 210	Elementary Statistics

Lab Science

Select two of the following: 8

BIOL 111	Concepts of Biology
BIOL 150	General Biology I
BIOL 151	General Biology II
BIOL 170	General Zoology
CHEM 115	Introductory Chemistry
CHEM 116	Introduction to Organic and Biochemistry
CHEM 121	General Chemistry I
CHEM 122	General Chemistry II
GEOL 100	Introduction to Earth Science
GEOL 106	The Earth Through Time
PHYS 100	Concepts of Physics
PHYS 110	Introductory Astronomy
PHYS 211	College Physics I
PHYS 212	College Physics II
PHYS 251	University Physics I
PHYS 252	University Physics II
PSYC 240	Cognition and Brain Science
TECH 161	Technology, Engineering, and Design

Wellness

Select one of the following: 2

HPER 100	Concepts of Fitness and Wellness
HPER 212	Introduction to Stress Management

Computer Science and Literacy

Select one of the following: 3

CIS 170	Introduction to Computer Information Systems
CSCI 120	Introduction to Programming
CSCI 127	Introduction to Programming in Java
CSCI 160	Introduction to Structured Programming I
SE 110	Discovering Computing

Humanities

Literacies

Select one of the following: 3

COMM 211	Oral Interpretation
ENGL 220	Introduction to Literature
ENGL 225	Introduction to Film
ENGL 232	Mythology
ENGL 241	World Literature I
ENGL 242	World Literature II
ENGL 261	American Literature I
ENGL 262	American Literature II
HUM 201	Civilization, Thought, and Literary Heritage
PSYC 200	Ethics and Philosophy of Science
SPAN 101	1st Year Spanish I
SPAN 102	1st Year Spanish II
SPAN 201	2nd Year Spanish I
SPAN 202	2nd Year Spanish II
THEA 110	Introduction to Theatre Arts

Art and Music

Select one of the following: 3

ART 110	Introduction to the Visual Arts
ART 115	Introduction to Digital Media
ART 210	Art History I
ART 211	Art History II
ART 233	History of Craft
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation

MUS 101 Music Fundamentals

MUS 206 World Music

MUS 207 History of Rock and Roll

Social Science

Select 6 credits from the following: 6

COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

Major Requirements

Code	Title	Credits
Required Courses		
CTE 431	History, Philosophy and Practices of Career and Technical Education	3
CTE 434	Leadership in Career and Technical Student Organizations	3
CTE 437	Student Performance Evaluation in Career and Technical Education	3
CTE 438	Developing and Managing Competency-Based Instructional Materials	3
CTE 490	Methods for Teaching Career & Technical Education Subjects	3
TECH 356	Safety and Management in Technology Education	3

Technical Specialty

Students who have successfully completed a ND Department of Career and Technical Education approved post-secondary program in their area of technical specialty from area Career and Technical (CTE) institutions, or possess an associate of applied science degree or its equivalent, are eligible for technical specialty credits. Students who meet work experience requirements, but have not completed an approved Trade, Technical, and Health Education program, may apply for Technical Specialty Life Experience credits through the Prior Learning Assessment Program. 36-50

Electives

Students with the consent of their advisor should choose appropriate electives to complete 120 semester credits required for the degree.

Total Credits **54-68**

Total General Education 39 Hrs

Total Major Requirement 54-68 Hrs

Total Professional Education Sequence 23-34 Hrs

Total Credits Needed to Graduate 120 Hrs

Professional Education Sequence

Code	Title	Credits
Professional Education Sequence		
EDUC 240	Educating Exceptional Students	3
EDUC 250	Introduction to Education	3
EDUC 283	Understanding Cultural Diversity in Education	3
EDUC 300	Educational Technology	2
EDUC 351	Secondary Practicum and Classroom Management	1
EDUC 352	Culturally Diverse Practicum	1
or EDUC 464	Practicum in the ELL Classroom	
EDUC 375	Teaching Reading in the Content Areas	2
EDUC 400	Educational Psychology	2
EDUC 450	Trends in Assessment and Educational Issues	2
CTE 492	Career and Technology Education Teaching Experience ^{1, 2}	1-12
or EDUC 492	Clinical Practice	
PSYC 250	Developmental Psychology	3
Total Credits		23-34

¹ If you are intending on licensing in a state other than North Dakota and need a student teaching/mentor-based experience, take CTE 492. You may sign up for a range of credits from 1-12 credits depending on your home state requirements regarding student teaching experience.

² If you are intending on licensing in North Dakota and need a student teaching/mentor-based experience, you must take EDUC 492 A (Fall 6 cr.) and EDUC 492 B (Spring, 6 cr.) during your first two years of school employment for a total of 12 credits.

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Learning Outcomes

1. Methodology – Students will develop knowledge necessary for program development, implementation, evaluation and assessment of student learning.
2. Content – Students will acquire knowledge and skills necessary to demonstrate competence in technological literacy
3. Application – Students will demonstrate competency in technology education content and apply this knowledge in real world experiences.

Chemistry

About this Major

VCSU's Chemistry degree is designed for those interested in working as laboratory scientists or pursuing research or graduate studies. The program is thorough and rigorous, and a wide variety of career possibilities in research areas are possible. There are two well-equipped research labs and students are encouraged to be involved in research.

Meet a Student



VCSU is where I found my place, my role and myself. I'm sure every student here can say the same, that their passions for what they love and are interested in has been supported while attending VCSU. I transferred to VCSU my sophomore year. I remember visiting the chemistry lab on campus and thinking "you're telling me I can be in here working with these things?" Not only have I had many opportunities to learn from amazing professors, but I have also been able to teach and tutor chemistry, physics and STEM students. - Lindsey Kiecker, Jamestown, N.D.,

Get Involved in your Major

Pre-Professional Club You are invited to join the VCSU Pre-Professional Club. This club is for students interested in continuing their education in the medical field (including nursing), law, accounting, and graduate school. This club provides support for students going through the application process and provides opportunities to practice aptitude tests such as the GRE, mCAT, LSAT, and DAT. Volunteer work, job shadowing, and educational and leadership opportunities are also part of the club's activities. The goal is for students to support each other, learn from other students' experiences, thus making your applications stronger, and increase your chance for successful admission into your program of choice.

Jobs with a Chemistry Degree

Career opportunities may include:

- Biochemist
- Chemist
- Crime Lab Analyst
- Environmental Health Specialist
- Food Scientist/Technologist
- Forensic Chemist
- Industrial Hygienist
- Medical Technologist
- Optometrist
- Patent Agent
- Pharmaceutical Sales Representative
- Pharmacist
- Physician
- Quality Control Manager
- Science Laboratory Technician
- Soil Scientist
- Technical Writer
- Toxicologist
- Veterinarian
- Water/Wastewater Plant Manager



Practical Experience

Opportunities that are not part of any regular program exist on and off campus to provide sound practical experience, such as student assistants, participation in the campus-tutoring programs, and field studies. Internships at numerous facilities are available to students to develop and apply their skills. Students can do (and have done) internships at Dakota Gasification Company in Beulah, N.D.; American Crystal Sugar in Hillsboro, N.D.; and Minnesota Valley Testing Laboratories in Bismarck, N.D. They also have completed summer REUs (Research Experience for Undergrads) at NDSU and UND.

Contact Information

Department Chair

Dr. Nicholas Galt, nicholas.galt@vcsu.edu, (701) 845-7459

Faculty Contact

Dr. Teather Sundstrom, teather.sundstrom@vcsu.edu, (701) 845-7458

Department Location

Rhoades Science Center 203, (701) 845-7452

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(701) 845-7101 or (800) 532-8641, ext. 7101

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
or ENGL 12!Introduction to Professional Writing		
or		
ENGL 120	College Composition II	
or ENGL 12!Introduction to Professional Writing		
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I ¹	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I ²	
PHYS 212	College Physics II ²	
PHYS 251	University Physics I ²	
PHYS 252	University Physics II ²	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3

CIS 170	Introduction to Computer Information Systems
CSCI 127	Introduction to Programming in Java
CSCI 160	Introduction to Structured Programming I
SE 110	Discovering Computing

Humanities

Literacies

Select one of the following:		3
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	
ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	

Art and Music

Select one of the following:		3
ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 206	World Music	
MUS 207	History of Rock and Roll	

Social Science

Select 6 credits from the following:		6
COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
GEOG 151	Human Geography	
HIST 103	United States to 1877	
HIST 104	United States to Present	
HIST 211	World Civilizations to 1500	
HIST 212	World Civilizations since 1500	
HIST 267	Environmental History	
HIST 270	Native American Studies	
POLS 115	American National Government	
POLS 116	State and Local Government	
PSYC 111	Introduction to Psychology	
SOC 110	Introduction to Sociology	
SOC 111	Introduction to Anthropology	

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science		2
or select from the following:		
ART 122	Two-Dimensional Design	
ART 130	Drawing I	
ART 150	Ceramics I	
ART 180	Photography I	
GEOG 111	Survey of Geography	
MUS 104	Group Piano for Non-Majors	
MUS 105	Group Piano for Non-Majors	
MUS 130	Valkyries	
MUS 131	Concert Choir	
MUS 140	Athletic Band	
MUS 141	Concert Band	

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PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

¹ Required

² Required to take PHYS 211 College Physics I and PHYS 212 College Physics II or take PHYS 251 University Physics I and PHYS 252 University Physics II

Major Requirements

Code	Title	Credits
Required Courses		
CHEM 121	General Chemistry I	5
CHEM 122	General Chemistry II	5
CHEM 330	Quantitative Analysis I	4
CHEM 341	Organic Chemistry I	5
CHEM 342	Organic Chemistry II	5
CHEM 411	Physical Chemistry I	4
CHEM 425	Inorganic Chemistry	4
CHEM 491	Integrated Science Capstone	2
Directed Electives		
Select eight hours from the following:		8
CHEM 331	Quantitative Analysis II	
CHEM 360	Elements of Biochemistry	
CHEM 395	Laboratory Preparation and Management	
CHEM 412	Physical Chemistry II	
CHEM 194	Independent Study	
CHEM 294	Independent Study	
CHEM 394	Independent Study	
CHEM 494	Undergraduate Research	
BA Language/Cultural Studies or BS Related Field		
Total Credits		42

Total General Education 39-41 Hrs

Total Major Requirement 42 Hrs

Total Credits Needed to Graduate 120 Hrs

Note: This major requires a minor

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

Fall start - even years

First Year			
Fall	Credits Spring		Credits
Art and Music (Gen Ed)	3	CHEM 122	5
CHEM 121	5	COMM 110 (Gen Ed)	3
CIS 170 (Gen Ed)	3	ENGL 120 (Gen Ed)	3
ENGL 110 (Gen Ed)	3	HPER 100 (Gen Ed)	2
UNIV 150	1	Social Science (Gen Ed)	3
	15		16
Second Year			
Fall	Credits Spring		Credits
Additional Humanities or Social Science (Gen Ed)	2	CHEM 331	4
CHEM 330	4	MATH 165 (Gen Ed)	4
Literacies (Gen Ed)	3	Minor course	3

PHYS 211 (Gen Ed)	4	PHYS 212 (Gen Ed)	4
	13		15
Third Year			
Fall	Credits Spring		Credits
CHEM 341	5	CHEM 342	5
CHEM 411	4	CHEM 425	4
Minor course	3	Minor course	3
Minor course	3	Social Science (Gen Ed)	3
	15		15

Fourth Year			
Fall	Credits Spring		Credits
CHEM 360	4	Elective	4
CHEM 491	2	Elective	3
Elective	3	Elective	3
Minor course	3	Minor course	3
Minor course	3	Minor course	3
	15		16

Total Credits 120

Fall start - odd years

First Year			
Fall	Credits Spring		Credits
Art and Music (Gen Ed)	3	CHEM 122 (Gen Ed)	5
CHEM 121 (Gen Ed)	5	COMM 110 (Gen Ed)	3
CIS 170 (Gen Ed)	3	ENGL 120 (Gen Ed)	3
ENGL 110 (Gen Ed)	3	HPER 100 (Gen Ed)	2
UNIV 150	1	Social Science (Gen Ed)	3
	15		16

Second Year			
Fall	Credits Spring		Credits
Additional Humanities or Social Science (Gen Ed)	2	CHEM 342	5
CHEM 341	5	Minor Course	3
Literacies (Gen Ed)	3	PHYS 212	4
PHYS 211	4	Social Science (Gen Ed)	3
	14		15

Third Year			
Fall	Credits Spring		Credits
CHEM 330	4	CHEM 331	4
CHEM 360	4	MATH 165 (Gen Ed)	4
Minor Course	3	Minor Course	3
Minor Course	3	Minor Course	3
	14		14

Fourth Year			
Fall	Credits Spring		Credits
CHEM 411	4	CHEM 425	4
CHEM 491	2	Elective	3
Elective	3	Elective	3
Minor Course	4	Elective	3

Minor Course	3	Minor Course	3
	16		16

Total Credits 120

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. Demonstrate a fundamental knowledge of the major concepts in chemistry.
2. Exhibit critical thinking skills by applying the scientific method to solve problems.
3. Exhibit the ability to read and communicate in a scientific style.
4. Understand the importance of chemistry to themselves and society.

Chemistry Education

About this Composite Major

The Chemistry Education major is designed to prepare you for teaching in junior and senior high schools. A Bachelor of Science in Education with a Chemistry major plus 12 semester hours in each of the other sciences (biology, earth and environmental science, and physics) will qualify you to teach those secondary science courses. Other opportunities, not part of any regular program, exist on campus and provide sound practical experience, such as student assistantships and participation in the campus-tutoring program.

As a Chemistry Education major you are placed into schools for a series of field experiences including Introduction to Education (40 hours); Practicum (80 hours); Culturally Diverse Practicum (25 hours involving 3 consecutive full days in a classroom), and a 12-week student teaching field experience. Student teaching is the culminating experience of the program and the opportunity for students to apply all they have learned.

Meet a Student



VCSU is where I found my place, my role and myself. My passion for teaching science was well received and positively influenced by my peers and professors. I'm sure every student here can say the same, that their passions for what they love and are interested in has been supported while attending VCSU. I transferred to VCSU my sophomore year. I remember visiting the chemistry lab on campus and thinking "you're telling me I can be in here working with these things?" Not only have I had many opportunities to learn from amazing professors, but I have also been able to teach and tutor chemistry, physics and STEM students. - Lindsey Kiecker, Jamestown, N.D.

Meet a Graduate

"I was drawn to the excitement and energy the faculty and my fellow Chemistry Ed major students brought to the university. The program challenged me and brought out the best of me as a student and person. We were able

to compete and grow as friends inside the classroom/ laboratory and outside of it. I made connections I will have the rest of my life." —Jarvis Knudson '15, Kulm, N.D.

Accreditations

- Council for the Accreditation of Educator Preparation (CAEP)

Get Involved in your Major

- Kappa Delta Pi (KDP)
- Student North Dakota United (SNDU)

Practical Experience

The Rhoades Science Center includes a greenhouse for work in biology and botany, a planetarium and laboratories for biology, chemistry, earth science, physics, computer science, and photography studies.

On campus, the Rhoades Science Center includes a greenhouse for work in biology and botany, a planetarium and laboratories for biology, chemistry, earth science, physics, computer science, and photography studies. Students have access to:

- Infrared spectroscopy, Molecular spectroscopy
- Potentiometry, Refractometry and Polarimetry
- Organic structure software
- Excel data analysis
- Fully equipped Aquatic Macroinvertebrate Laboratory and Biomedical Research Laboratory

Teacher Education Requirements

Students are typically admitted into Teacher Education during their sophomore year or beginning of their junior year of college. This program requires a minimum cumulative GPA of 2.75 or higher and successful completion of the Praxis I test. Additional criteria for Admission to Teacher Education can be found at the following website: www.onestop.vcsu.edu (<https://onestop.vcsu.edu/support/solutions/articles/10000052001-teacher-education/>).

Contact Information

Department Chair

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Faculty Contact

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Department Location

Rhoades Science Center 203, (701) 845-7452

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(701) 845-7101 or (800) 532-8641, ext. 7101

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
or ENGL 121	Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
or ENGL 121	Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I ¹	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I ²	
PHYS 212	College Physics II ²	
PHYS 251	University Physics I ²	
PHYS 252	University Physics II ²	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

ENGL 261	American Literature I
ENGL 262	American Literature II
HUM 201	Civilization, Thought, and Literary Heritage
PSYC 200	Ethics and Philosophy of Science
SPAN 101	1st Year Spanish I
SPAN 102	1st Year Spanish II
SPAN 201	2nd Year Spanish I
SPAN 202	2nd Year Spanish II
THEA 110	Introduction to Theatre Arts
Art and Music	
Select one of the following:	
ART 110	Introduction to the Visual Arts
ART 115	Introduction to Digital Media
ART 210	Art History I
ART 211	Art History II
ART 233	History of Craft
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 206	World Music
MUS 207	History of Rock and Roll
Social Science	
Select 6 credits from the following:	
COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology ¹
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology
Additional Humanities or Social Science	
Select one additional course from Humanities or Social Science	
or select from the following:	
ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum
Total Credits	

39

¹ Required² Required to take PHYS 211 College Physics I and PHYS 212 College Physics II or take PHYS 251 University Physics I and PHYS 252 University Physics II

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Major Requirements

Code	Title	Credits
Required Courses		
BIOL 150	General Biology I	4
or BIOL 151	General Biology II	
BIOL 440	Biostatistics and Experimental Design	3
or MATH 321	Applied Probability and Statistics	
CHEM 121	General Chemistry I	5
CHEM 122	General Chemistry II	5
CHEM 330	Quantitative Analysis I	4
CHEM 341	Organic Chemistry I	5
CHEM 342	Organic Chemistry II	5
CHEM 360	Elements of Biochemistry	4
CHEM 395	Laboratory Preparation and Management	1
CHEM 411	Physical Chemistry I	4
CHEM 490	Secondary Science Methods and Techniques	3
CHEM 491	Integrated Science Capstone	2
GEOL 100	Introduction to Earth Science	4
To become a "highly qualified" teacher in other areas of science (Biology, Physics, or Earth Science), a student must take a minimum of 12 hours in each of the other science areas in which they intend to teach.		
Total Credits		49

Total General Education 39-41 Hrs
Total Major Requirement 49 Hrs
Total Professional Education Sequence 32-33 Hrs
Total Credits Needed to Graduate 120 Hrs

Professional Education Sequence

Code	Title	Credits
Professional Education Sequence		
EDUC 240	Educating Exceptional Students	3
EDUC 250	Introduction to Education	3
EDUC 283	Understanding Cultural Diversity in Education	3
EDUC 300	Educational Technology	2
EDUC 351	Secondary Practicum and Classroom Management	1
EDUC 352	Culturally Diverse Practicum	1
or EDUC 464	Practicum in the ELL Classroom	
EDUC 375	Teaching Reading in the Content Areas	2
EDUC 400	Educational Psychology	2
EDUC 450	Trends in Assessment and Educational Issues	2
EDUC 480	Student Teaching (Secondary)	10
PSYC 250	Developmental Psychology	3
Total Credits		32

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

Fall start - even years

First Year			
Fall	Credits Spring		Credits
Art and Music (Gen Ed)	3	CHEM 122	5
CHEM 121	5	CHEM 395	1
CIS 170 (Gen Ed)	3	COMM 110 (Gen Ed)	3
ENGL 110 (Gen Ed)	3	ENGL 120 (Gen Ed)	3
UNIV 150	1	HPER 100 (Gen Ed)	2

		Social Science (Gen Ed)		3
		15		17
Second Year				
Fall		Credits Spring		Credits
CHEM 330	4	CHEM 331		4
EDUC 250	3	BIOL 150 or 151		4
GEOL 100	4	MATH 165 (Gen Ed)		4
PHYS 211 (Gen Ed)	4	PHYS 212 (Gen Ed)		4
PSYC 111 (Gen Ed)	3			
		18		16
Third Year				
Fall		Credits Spring		Credits
Additional Humanities or Social Science (Gen Ed)	2	BIOL 440		4
CHEM 341	5	CHEM 342		5
CHEM 411	4	EDUC 283		3
CHEM 490	3	EDUC 352		1
EDUC 300	2	EDUC 240		3
EDUC 351	1	PSYC 250		3
		17		19

Fourth Year				
Fall		Credits Spring		Credits
CHEM 360		4	EDUC 480	10
CHEM 491		2		
EDUC 375		2		
EDUC 400		2		
EDUC 450		2		
Literacies (Gen Ed)		3		
		15		10

Total Credits 127

Fall start - odd years

First Year				
Fall		Credits Spring		Credits
Art and Music (Gen Ed)		3	CHEM 122	5
CHEM 121		5	CHEM 395	1
CIS 170 (Gen Ed)		3	COMM 110 (Gen Ed)	3
ENGL 110 (Gen Ed)		3	ENGL 120 (Gen Ed)	3
UNIV 150		1	HPER 100 (Gen Ed)	2
		Social Science (Gen Ed)		3
		15		17

Second Year				
Fall		Credits Spring		Credits
CHEM 341		5	BIOL 150 or 151	4
EDUC 250		3	CHEM 342	5
GEOL 100		4	PHYS 212 (Gen Ed)	4
PHYS 211 (Gen Ed)		4	PSYC 250	3
PSYC 111 (Gen Ed)		3		
		19		16

Third Year

Fall	Credits Spring		Credits
Additional Humanities or Social Science (Gen Ed)	2	BIOL 440	4
CHEM 330	4	CHEM 330	4
CHEM 360	4	EDUC 240	3
CHEM 490	3	EDUC 283	3
EDUC 300	2	EDUC 352 or 464	1-2
EDUC 351	1	MATH 165 (Gen Ed)	4
	16		19-20

Fourth Year

Fall	Credits Spring		Credits
CHEM 411	4	EDUC 480	10
CHEM 491	2		
EDUC 375	2		
EDUC 400	2		
EDUC 450	2		
Literacies (Gen Ed)	3		
	15		10

Total Credits 127-128

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. Demonstrate a fundamental knowledge of the major concepts in chemistry.
2. Exhibit critical thinking skills by applying the scientific method to solve problems.
3. Exhibit the ability to read and communicate in a scientific style.
4. Understand the importance of chemistry to themselves and society.

Communication

About this Major

This major explores the dynamic and evolving field of communication, and allows students to experience a wide array of communication experiences needed to find success in the diverse job market. With courses spanning the corporate, digital marketing, and media worlds, students will be prepared with highly desired skills in the job market today. Offering both online and on-campus courses, this major can be completed on campus or from a distance.

Within this major, students choose an area of focus. The three areas of focus include:

- **Corporate Concentration:** Explores organizational, intercultural, and interpersonal skills in marketing, training, and development.
- **Digital Media Management Concentration:** Explores digital media formats and management while developing skills in public relations, social media management, communication theory and website design.
- **Journalism and Media Concentration:** Explores print, broadcast, and digital communication formats while developing skills in journalism, public relations, digital media, and media convergence.

Meet a Student



After exploring career options for Communication majors, I knew it would prepare me for a career I'd enjoy in the future. VCSU has allowed me to create an academic plan that is specifically tailored to me and my goals. With the help of my advisor, I found a future career path that excites me, and my education is truly preparing me to enter that field. - Clara Wieland, Communication Major

Jobs with a Communications Degree

23,721

regional communication job
listings in the last year

92%

of communication jobs require a
bachelor's degree

With “communication” ranking as the #1 desired skill in job applicants across all industries, effective communicators will always find somewhere they're wanted for work. Career opportunities with a Communication degree can include:

- Public Relations Manager
- Communications Specialist
- Social Media Strategist
- Radio/TV Announcer
- Reporter
- Media Planner
- Corporate Communicator

Practical Experience

You will gain many skills throughout your time in this program including: public speaking confidence, interviewing skills, ability to write for a variety of media, tools for effective interpersonal communication, ability to communicate with people from a variety of cultures, and creating new technology including podcasts, web pages, video streaming, and other digital media.

During your junior or senior year, you will have the opportunity to practice your skills and gain hands-on experiences through an internship. Students have recently completed internships through areas such as television stations, radio stations, newspapers, marketing departments, public relation firms, realty offices and social media management departments.

Contact Information

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General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
or ENGL 12!	Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
or ENGL 12!	Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	
Art and Music		
Select one of the following:		3
ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 206	World Music	
MUS 207	History of Rock and Roll	
Social Science		
Select 6 credits from the following:		6
COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
GEOG 151	Human Geography	
HIST 103	United States to 1877	
HIST 104	United States to Present	
HIST 211	World Civilizations to 1500	
HIST 212	World Civilizations since 1500	
HIST 267	Environmental History	
HIST 270	Native American Studies	
POLS 115	American National Government	
POLS 116	State and Local Government	
PSYC 111	Introduction to Psychology	
SOC 110	Introduction to Sociology	
SOC 111	Introduction to Anthropology	
Additional Humanities or Social Science		
Select one additional course from Humanities or Social Science		2
or select from the following:		
ART 122	Two-Dimensional Design	
ART 130	Drawing I	
ART 150	Ceramics I	
ART 180	Photography I	
GEOG 111	Survey of Geography	
MUS 104	Group Piano for Non-Majors	
MUS 105	Group Piano for Non-Majors	
MUS 130	Valkyries	
MUS 131	Concert Choir	
MUS 140	Athletic Band	
MUS 141	Concert Band	
PHYS 275	Planetarium Science	
THEA 201	Theatre Practicum	
Total Credits		39

Major Requirements

Code	Title	Credits
Required Courses		
COMM 212	Interpersonal Communication	3
COMM 216	Intercultural Communication	3
COMM 312	Gender Communication	3
COMM 360	Group Dynamics	3

COMM 411	Communication Theory	3
COMM 491	Senior Capstone	1
COMM 497	Internship or COMM 487 Field Experience	3
Total Credits		19

Students Choose from One of the Following Cognates:

Corporate Concentration

Code	Title	Credits
COMM 311	Communication and Interviewing	3
COMM 304	Corporate Training	3
COMM 314	Public Relations	3
COMM 444	Event Planning	3
COMM 483	Organizational Communication	3
Electives		
Students should choose 2 COMM courses at 200 level or above in consultation with their advisor		6
Total Credits		21

Journalism & Media Concentration

Code	Title	Credits
COMM 200	Introduction to Media Writing	3
COMM 311	Communication and Interviewing	3
COMM 314	Public Relations	3
COMM 414	Social Media Management	3
COMM 415	Sports Information	3
Electives		
Students should choose 2 COMM courses at 200 level or above in consultation with their advisor		6
Total Credits		21

Digital Media Management Concentration

Code	Title	Credits
COMM 200	Introduction to Media Writing	3
COMM 314	Public Relations	3
COMM 315	Digital Communication	3
COMM 414	Social Media Management	3
COMM 444	Event Planning	3
Electives		
Students should choose 2 COMM courses at 200 level or above in consultation with their advisor		6
Total Credits		21

Total General Education 39 Hrs

Total Major Requirement 19 Hrs

Total Concentration Requirement 21 Hrs

Total Credits Needed to Graduate 120 Hrs

Note: This major requires a minor

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Corporate Concentration



This concentration in the Communication major explores organizational, intercultural, and interpersonal skills in marketing, training, and development. This major provides background for public relations, corporate training, organizational communication, and professional public speaking, as well as continued education in communication. The wide variety of classes, combined with an internship, make these graduates highly marketable in today's job market. Examples of projects you may complete with this major are the creation of training and public relations materials, group problem-solving, service learning projects along with development and implementation of marketing plans.

Alumni from our program work in a variety of fields and positions. Students graduating with this major will be prepared for a variety of careers including:

- Corporate trainer
- Executive recruiter
- Admission counselor
- Motivational speaker
- Marketing manager
- Communication consultant
- Corporate education developer
- Technical writer and researcher
- Special events coordinator
- Corporate spokesperson

Plan of Study - Corporate Concentration

First Year			
Fall	Credits Spring		Credits
CIS 170 (Gen Ed)	3	COMM 212	3
COMM 110 (Gen Ed)	3	ENGL 125 (Gen Ed)	3
ENGL 110 (Gen Ed)	3	HPER 100 (Gen Ed)	2
Lab Science (Gen Ed)	4	Lab Science (Gen Ed)	4
UNIV 150	1	MATH 104 (Gen Ed)	3
14		15	

Second Year

Fall	Credits	Spring	Credits
Art and Music (Gen Ed)	3	Additional Humanities or Social Science (Gen Ed)	3
COMM 216	3	COMM 312	3
Literacies (Gen Ed)	3	Directed Elective	3
Elective (Consult Advisor)	3	Elective (Consult Advisor)	3
Social Science (Gen Ed)	3	Minor Course (Consult Advisor)	3
	15		15

Third Year

Fall	Credits	Spring	Credits
COMM 304	3	COMM 314	3
COMM 311	3	COMM 444	3
Elective (Consult Advisor)	3	Directed Elective	3
Minor Course (Consult Advisor)	3	Minor Course (Consult Advisor)	3
Minor Course (Consult Advisor)	3	Minor Course (Consult Advisor)	3
	15		15

Fourth Year

Fall	Credits	Spring	Credits
COMM 360	3	COMM 411	3
COMM 497	3	COMM 483	3
Elective (Consult Advisor)	3	COMM 491	1
Minor Course (Consult Advisor)	3	Directed Elective	3
Minor Course (Consult Advisor)	3	Minor Course (Consult Advisor)	3
		Social Science (Gen Ed)	3
	15		16

Total Credits 120**Digital Media Management Concentration**

This concentration in the Communication major explores digital media formats and management while developing skills in public relations, social media management, communication theory and website design. This program is offered both face-to-face and completely online. The wide variety of classes, combined with an internship, make graduates highly marketable in today's job market. Alumni from our program work in a variety of fields and positions.

Examples of projects you may complete with this major are digital public relations projects for clientele, creation of public relations materials for organizations, creation and management of a digital media campaign and web page development.

Students graduating with this major will be prepared for a variety of careers including:

- Social media manager
- Public relations practitioner
- Advertising and marketing specialist
- Public affairs officer
- Director of media relations
- Multi-media writer
- Media sales representative
- Campaign director
- Professional blogger
- Digital media manager

Plan of Study - Digital Media Management Concentration**First Year**

Fall	Credits	Spring	Credits
CIS 170 (Gen Ed)	3	COMM 212	3
COMM 110 (Gen Ed)	3	ENGL 125 (Gen Ed)	3
COMM 212	3	HPER 100 (Gen Ed)	2
ENGL 110 (Gen Ed)	3	Lab Science (Gen Ed)	4
UNIV 150	1	MATH 104 (Gen Ed)	3
	13		15

Second Year

Fall	Credits	Spring	Credits
COMM 200	3	COMM 312	3
Directed Elective	3	Directed Elective	3
Elective (Consult Advisor)	3	Elective (Consult Advisor)	3
Literacies (Gen Ed)	3	Minor Course (Consult Advisor)	3
Social Science (Gen Ed)	3	Social Science (Gen Ed)	3
	15		15

Third Year

Fall	Credits	Spring	Credits
Art and Music (Gen Ed)	3	COMM 314	3
COMM 360	3	COMM 444	3
Lab Science (Gen Ed)	4	Directed Elective	3
Minor Course (Consult Advisor)	3	Minor Course (Consult Advisor)	3
Minor Course (Consult Advisor)	3	Minor Course (Consult Advisor)	3
	16		15

Fourth Year

Fall	Credits	Spring	Credits
COMM 315	3	Additional Humanities or Social Science (Gen Ed)	3
COMM 497	3	COMM 411	3
Elective (Consult Advisor)	3	COMM 414	3
Minor Course (Consult Advisor)	3	COMM 491	1
Minor Course (Consult Advisor)	3	Minor Course (Consult Advisor)	3
	15		13

Total Credits 117

Journalism and Media Concentration



This concentration in the Communication major explores print, broadcast, and digital communication formats while developing skills in journalism, public relations, digital media, and media convergence. This program is offered both face-to-face and completely online. The wide variety of classes, combined with an internship, make these graduates highly marketable in today's job market.

Examples of projects you may complete with this major are analysis and application of concepts from movies or television programming, creation of public relations materials for organizations, beat reporting, web page development and creation of digital media.

Alumni from our program work in a variety of fields and positions. Students graduating with this major will be prepared for a variety of careers including:

- Newspaper reporter
- Public relations practitioner
- Advertising and marketing specialist
- Public affairs officer
- Director of media relations
- Multimedia writer
- Media sales representative
- Campaign director
- Research specialist
- Columnist

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Plan of Study - Journalism Concentration

First Year

Fall	Credits	Spring	Credits
CIS 170 (Gen Ed)	3	COMM 212	3
COMM 110 (Gen Ed)	3	ENGL 125 (Gen Ed)	3
ENGL 110 (Gen Ed)	3	HPER 100 (Gen Ed)	2
Lab Science (Gen Ed)	4	Lab Science (Gen Ed)	4
UNIV 150	1	MATH 104 (Gen Ed)	3
	14		15

Second Year

Fall	Credits	Spring	Credits
COMM 200	3	COMM 312	3
COMM 216	3	COMM 314	3
Directed Elective	3	Directed Elective	3
Literacies (Gen Ed)	3	Minor Course (Consult Advisor)	3
Social Science (Gen Ed)	3	Social Science (Gen Ed)	3
	15		15

Third Year

Fall	Credits	Spring	Credits
Art and Music (Gen Ed)	3	COMM 414	3
COMM 311	3	COMM 415	3
COMM 360	3	Elective (Consult Advisor)	3
Minor Course (Consult Advisor)	3	Minor Course (Consult Advisor)	3
Minor Course (Consult Advisor)	3	Minor Course (Consult Advisor)	3
	15		15

Fourth Year

Fall	Credits	Spring	Credits
COMM 497	3	Additional Humanities or Social Science (Gen Ed)	3
Elective (Consult Advisor)	3	COMM 411	3
Elective (Consult Advisor)	3	COMM 491	1
Minor Course (Consult Advisor)	3	Elective (Consult Advisor)	3
Minor Course (Consult Advisor)	3	Minor Course (Consult Advisor)	3
	15		13

Total Credits 117

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. Practices professional and ethical communication strategically
2. Researches, evaluates, and synthesizes information effectively
3. Engages in and appreciates diverse thoughts and ideas
4. Competently works well with others in interpersonal and group situations

Communication Studies

About this Composite Major

VCSU's Communication composite major explores the dynamic field of communication studies. By employing multiple facets of communication, the major allows students to experience a wide array of communication experience needed for the diverse job market. With courses spanning the corporate, digital marketing, and media worlds, students will be prepared with highly desired skills in the job market today. Offering both online and on campus courses, this major can be completed on campus or from a distance.

Within this major, students work closely with their advisor to create an internship experience as well as an educational background that prepares them for the field which they wish to enter. A degree in communication could lead to a career in:

- Corporate training
- Event planning
- Social Media Marketing
- Editing
- Media Writing
- Public Relations

Meet a Student



I came to VCSU super undecided about what I wanted to major in, and it wasn't until almost halfway through my sophomore year I finally decided. After exploring career options for Communication majors, I knew it would prepare me for a career I'd enjoy in the future. - Clara Wieland, Communication Major

Jobs with a Communication Degree

23,721

regional communication job listings in the last year

92%

of communication jobs require a bachelor's degree

With "communication" ranking as the #1 desired skill in job applicants across all industries, effective communicators will always find somewhere they're wanted for work. Career opportunities with a Communication degree can include:

- Public Relations Manager
- Communications Specialist
- Social Media Strategist
- Radio/TV Announcer
- Reporter
- Media Planner
- Corporate Communicator

Social Media Lab



Communication students at VCSU have the opportunity to learn in the Social Media Lab. This lab was designed with real-world applications in mind and allows multiple social feeds to be monitored simultaneously.

Contact Information

Department Chair

Dr. Shannon VanHorn, shannon.vanhorn@vcsu.edu, (701) 845-7471

Faculty Contact

Dr. Jonna Reule, jonna.reule@vcsu.edu, (701) 845-7431

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Department Location

McFarland Hall 205, (701) 845-7301

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(701) 845-7101 or (800) 532-8641, ext. 7101

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking ¹	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	

Art and Music

Select one of the following: 3

ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 206	World Music	
MUS 207	History of Rock and Roll	

Social Science

Select 6 credits from the following: 6

COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
GEOG 151	Human Geography	
HIST 103	United States to 1877	
HIST 104	United States to Present	
HIST 211	World Civilizations to 1500	
HIST 212	World Civilizations since 1500	
HIST 267	Environmental History	
HIST 270	Native American Studies	
POLS 115	American National Government	
POLS 116	State and Local Government	
PSYC 111	Introduction to Psychology	
SOC 110	Introduction to Sociology	
SOC 111	Introduction to Anthropology	

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design	
ART 130	Drawing I	
ART 150	Ceramics I	
ART 180	Photography I	
GEOG 111	Survey of Geography	
MUS 104	Group Piano for Non-Majors	
MUS 105	Group Piano for Non-Majors	
MUS 130	Valkyries	
MUS 131	Concert Choir	
MUS 140	Athletic Band	
MUS 141	Concert Band	
PHYS 275	Planetarium Science	
THEA 201	Theatre Practicum	

Total Credits 39

¹ Required

Major Requirements

Code	Title	Credits
Required Courses (37 credits)		
COMM 212	Interpersonal Communication	3

COMM 216	Intercultural Communication	3
COMM 312	Gender Communication	3
COMM 360	Group Dynamics	3
COMM 411	Communication Theory	3
COMM 491	Senior Capstone	1
COMM 497	Internship	3-12
or COMM 487 Field Experience		

Journalism and Media

Select two of the following: 6

COMM 200	Introduction to Media Writing	
COMM 311	Communication and Interviewing	
COMM 415	Sports Information	

Corporate

Select two of the following: 6

COMM 211	Oral Interpretation	
COMM 304	Corporate Training	
COMM 444	Event Planning	
COMM 483	Organizational Communication	

Digital Media Management

Select two of the following: 6

COMM 314	Public Relations	
COMM 315	Digital Communication	
COMM 414	Social Media Management	

Communication Electives

Choose nine additional credits from any COMM course, 200-level 9 or above, or other course(s) as approved by the department chair (9 credits).²

Directed Electives

Choose 18 credits from the following: 18

ART 180	Photography I	
ART 280	Photography II	
BUSI 214	Business Communications	
BUSI 249	Introduction to Business	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
ENGL 210	College Composition III: Persuasive Writing	
ENGL 410	Technical and Scientific Writing	
ENGL 420	Writing for the Web	
HPER 350	Sport Ethics	
HPER 400	Current Issues in Community Health	
MGMT 330	Principles of Management	
MGMT 372	Foundations of Leadership	
MRKT 305	Principles of Marketing	
MRKT 370	Advertising and Promotions	
POLS 116	State and Local Government	
POLS 425	International Relations	
TECH 300	3D Modeling and Design	

Or other course(s) as approved by the department chair

Total Credits 64-73

² Additional credits of COMM 487 or COMM 497 may only be used for elective credits here if the course has not already been used to fulfill the major requirement above.

Total General Education 39 Hrs

Total Major Requirement 64-73 Hrs

Total Credits Needed to Graduate 120 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

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Plan of Study

First Year

Fall	Credits	Spring	Credits
Art and Music (Gen Ed)	3	COMM 112 (Gen Ed)	3
CIS 170 (Gen Ed)	3	Elective	3
COMM 110 (Gen Ed)	3	ENGL 125 (Gen Ed)	3
ENGL 110 (Gen Ed)	3	HPER 100 (Gen Ed)	2
MATH 104 (Gen Ed)	3	Lab Science (Gen Ed)	4
UNIV 150 (for on-campus students)	1		
	16		15

Second Year

Fall	Credits	Spring	Credits
COMM 211 (elective)	3	COMM 212	3
COMM 216	3	GEOG 111	3
Elective	3	Lab Science (Gen Ed)	4
PSYC 111 (Gen Ed)	3	Literacies (Gen Ed)	3
Major Elective	3	Major Elective	3
		Additional Humanities or Social Science (Gen Ed)	2
	15		18

Third Year

Fall	Credits	Spring	Credits
COMM 200	3	COMM 312	3
COMM 311	3	COMM 314	3
COMM 360	3	COMM 411	3
Major Elective	3	Major Elective	3
Elective	3	Elective	3
	15		15

Fourth Year

Fall	Credits	Spring	Credits
COMM 304	3	COMM 414	3
COMM 315 (elective)	3	COMM 415 (elective)	3
COMM 497	3-12	COMM 483	3
Major Elective	3	COMM 491	1
Elective	3	Major Elective	3
		Elective	3
	15-24		16

Total Credits 125-134

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. Practices professional and ethical communication strategically
2. Researches, evaluates, and synthesizes information effectively
3. Engages in and appreciates diverse thoughts and ideas
4. Competently works well with others in interpersonal and group situations

Computer Information Systems

About this Composite Major

The Computer Information Systems major prepares students with a foundation in problem-solving skills required to design and implement technology solutions to support business needs. The courses use project-based curricula that first teach the concepts of the subject matter and then require the students to apply the concepts.

Students often work in teams to encourage the learning of group dynamics and soft-skills. The CSSE Department has joined in Academic Alliances with technology companies such as SAP, Microsoft, and Salesforce, using these technologies to complete hands-on projects.

Students graduating with a Computer Information Systems Degree have a 100% in-field job placement rate. Career opportunities are Business Analyst, Systems Analyst, Database Administrator, MIS Technician, MIS Manager, Network Administrator, Computer Security Specialist, Computer Programmer, Software Engineer, Software Implementation Consultant, IT Team Leader and IT Project Manager. Visit our page at csse.vcsu.edu (<http://csse.vcsu.edu>). Let your dream become a reality at Valley City State University!

Meet a Student



My major is Computer Information Systems. (<http://catalog.vcsu.edu/undergraduate-catalog/programs/majors/computer-information-systems/>) I chose that because it fit well with the IT job that I want to go into, and I enjoy working with computers. Additionally, it can get me nearly any IT job around the country with better wages. - Derek Bear, Valley City, N.D.

Jobs with a Computer Information Systems Degree

1,165,462
jobs

were posted in the upper
Midwest last year in this career
field



\$92,000

is the median salary in the
upper Midwest for graduates
with a CIS degree

A degree in Computer Information Systems from VCSU can open up opportunities you never thought possible. This is a growing career field and careers open to graduates with this degree can include:

- Software developer
- Network or systems engineer
- IT manager
- Database specialist
- Front-end application designer
- Web developer
- Computer scientist
- UI/UX designer
- Computer programmer

Practical Experience

Students are encouraged to work for internship credits while completing their degree in Computer Information Systems. Companies such as Doosan, Blue Cross Blue Shield of North Dakota, Bobcat, Eide Bailly, Thomson Reuters, Cavendish, John Deere, Microsoft, Appareo Systems, NBC Universal, and Best Buy have welcomed VCSU students in their internship programs.

VCSU students develop excellent technology and soft skills and many are hired into full-time positions with these companies after graduation. In addition to internships, cooperative research projects with faculty give students first-hand experience with advanced research techniques. Computer Information Systems majors join Software Engineering majors in the capstone course to work as a team to solve real world problems. Students also have the opportunity to participate in the VCSU Student ACM Chapter to learn more about careers and technical topics while networking with other students, faculty, and potential employers.

"Valley City State University offers excellent Software Engineering and Computer Information Systems degrees. The top-notch instructors along with the smaller class sizes provided me with an excellent education. I feel fully prepared for a job in either of these fields." —Patrick McCarthy '20, Hazen, ND

Contact Information

Department Chair and Faculty Contact

Susan Pfeifer, susan.pfeifer@vcsu.edu, (701) 845-7719

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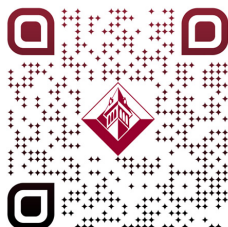
Department Location

McFarland Hall 138, (701) 845-7550

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**Learn more
about studying
Computer
Information
Systems at
Valley City State
University**

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I ¹	
ENGL 120	College Composition II ²	
	or ENGL 121 Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
	or ENGL 121 Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems ¹	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

ENGL 261	American Literature I
ENGL 262	American Literature II
HUM 201	Civilization, Thought, and Literary Heritage
PSYC 200	Ethics and Philosophy of Science
SPAN 101	1st Year Spanish I
SPAN 102	1st Year Spanish II
SPAN 201	2nd Year Spanish I
SPAN 202	2nd Year Spanish II
THEA 110	Introduction to Theatre Arts

Art and Music

Select one of the following: 3

ART 110	Introduction to the Visual Arts
ART 115	Introduction to Digital Media
ART 210	Art History I
ART 211	Art History II
ART 233	History of Craft
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 206	World Music
MUS 207	History of Rock and Roll

Social Science

Select 6 credits from the following: 6

COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics ¹
ECON 202	Principles of Macroeconomics ¹
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

¹ Required

² Required ENGL 125 Introduction to Professional Writing

Major Requirements

Code	Title	Credits
Required Courses		
ACCT 200	Elements of Accounting I	3
ACCT 201	Elements of Accounting II	3
CIS 147	Principles of Information Security	3
CIS 329	Information Systems Management	3
CIS 369	Enterprise Systems	3
CIS 465	IS Strategy Management and Acquisition	3
CSCI 127	Introduction to Programming in Java	3
MATH 210	Elementary Statistics	3
SE 110	Discovering Computing	3
SE 379	Social Implications of Computers	3
SE 380	Systems Analysis and Design	3
SE 381	Project Management	3
SE 385	Database Theory/Design	3
SE 480	Capstone	3
Select one of the following: 3		
ENGL 310	Writing in the Major	
ENGL 410	Technical and Scientific Writing	
ENGL 420	Writing for the Web	

Directed Electives

Select an additional eighteen hours from courses with the prefix 18
CIS, SE, or CSCI with at least 3 credits of upper level classes.

Total Credits 63

Total General Education 39 Hrs

Total Major Requirement 63 Hrs

Total Credits Needed to Graduate 120 Hrs

For degree and graduation requirements, visit degree
requirements and graduation requirements (p. 22).

Plan of Study

Freshman

Fall	Credits	Spring	Credits
ACCT 200	3	ACCT 201	3
CIS 170 (Gen Ed)	3	CIS 147	3
SE 110	3	Directed Elective	3
ENGL 110 (Gen Ed)	3	ENGL 125 (Gen Ed)	3
Art and Music (Gen Ed)	3	MATH 104 (Gen Ed)	3
UNIV 150	1		
16		15	

Second Year

Fall	Credits	Spring	Credits
CSCI 127	3	ECON 202 (Gen Ed)	3
ECON 201 (Gen Ed)	3	CIS 329	3
MATH 210	3	Directed Elective	3
Lab Science (Gen Ed)	4	Directed Elective	3
Humanities Literacies (Gen Ed)	3	Speech Communication (Gen Ed)	3
16		15	

Third Year

Fall	Credits	Spring	Credits
CIS 369	3	SE 379	3
CIS 465	3	SE 381	3
SE 380	3	Directed Elective	3
SE 385	3	HPER 100 (Gen Ed)	2

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Lab Science (Gen Ed)	4	Additional Humanities or Social Science (Gen Ed)	2
	16		13
Fourth Year			
Fall	Credits Spring		Credits
ENGL 410	3	Directed Elective	3
Directed Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	SE 480	3
	15		15
Total Credits 121			

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. Students understand problem requirements and identify technology solutions for those needs, and communicate solutions effectively.
2. Students understand the big picture, how pieces fit together, and impact other pieces of the overall system.
3. Students research solutions to solve problems in a self-directed manner.
4. Students manage simple projects and work in high performing teams to complete projects successfully.

Digital Design

About this Composite Major

This program provides a well-rounded experience in various digital design areas and prepares students for careers in diverse design fields. Students are immersed in hands-on, collaborative creative projects that tap into student's strengths and interests.

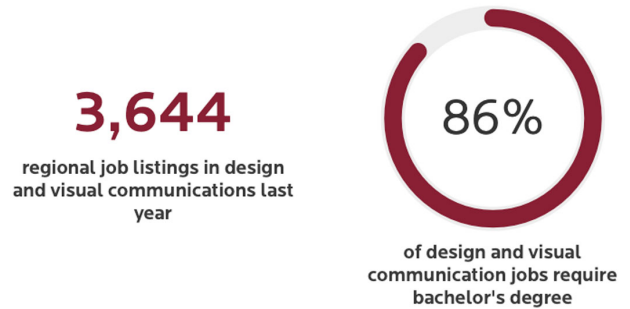
Coursework includes graphic design, digital photography, digital imaging, digital illustration, web design, and graphic design history. Students apply visual communication theories, technological skills, and creative problem-solving skills through real-world design opportunities. Students explore alternative mediums such as painting, printmaking, and three-dimensional design to expand their creative skillset.

Meet a Student



It wasn't until my senior year of high school when I knew for sure I wanted to go into graphic design. I have always had an artistic interest, but didn't consider it as a career until I was looking for a college major. I like any class that allows me to go through the design process. My favorite part of art is getting to design my ideas and be creative to form an idea. I enjoy planning my ideas and using my style to create something beautiful! *I really love all of my classes as I learn a lot from the projects and material that are provided. The Art Department challenges me to develop my own style and gives me my own creative voice. I want to go into graphic design after I graduate, and the Art Department is providing me with the experience and confidence to continue in that field.* - Bailey Nelson, '23, Argusville, ND

Career Opportunities



A degree in Digital Design from VCSU can open up opportunities you never thought possible. Use your education to create the future you've dreamed of. A digital design degree from VCSU provides the education and experience for Career opportunities in

- Graphic Design
- UX/UI and Web Design
- Illustration
- Advertising
- Photography
- Content Creation
- Creative Direction
- Production Design
- Animation and Video Graphics

Get Involved in your Major

Join university organizations such as Arts Alliance. Students are also encouraged to join professional organizations such as the American Institute of Graphic Arts (AIGA) (<https://www.aiga.org/>)

Beautiful Studio Spaces



The brand-new Center for the Arts houses all art classrooms including:

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- digital photography studio
- digital design lab
- ceramics lab
- printmaking
- painting and drawing studios
- a woodshop

Contact Information

Department Chair

Angela Mircsov, angela.mircsov@vcsu.edu, (701) 845-7564

Faculty Contact

Ekow Ephrim, ekow.ephrim@vcsu.edu, (701) 845-7562

Department Location

Center for the Arts, (701) 845-7272

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(701) 845-7101 or (800) 532-8641, ext. 7101

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
or ENGL 121 Introduction to Professional Writing		
or		
ENGL 120	College Composition II	
or ENGL 121 Introduction to Professional Writing		
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

ENGL 261	American Literature I
ENGL 262	American Literature II
HUM 201	Civilization, Thought, and Literary Heritage
PSYC 200	Ethics and Philosophy of Science
SPAN 101	1st Year Spanish I
SPAN 102	1st Year Spanish II
SPAN 201	2nd Year Spanish I
SPAN 202	2nd Year Spanish II
THEA 110	Introduction to Theatre Arts

Art and Music

Select one of the following: 3

ART 110	Introduction to the Visual Arts
ART 115	Introduction to Digital Media
ART 210	Art History I
ART 211	Art History II
ART 233	History of Craft
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 206	World Music
MUS 207	History of Rock and Roll

Social Science

Select 6 credits from the following: 6

COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

Major Requirements

Code	Title	Credits
Foundation and Art History Credit		
ART 115	Introduction to Digital Media	3
ART 122	Two-Dimensional Design	3
ART 124	Three-Dimensional Design	3
ART 130	Drawing I	3

ART 311	Art History III	3
ART 345	History of Graphic Design	3
ART 411	Art History IV	3

Required Courses

ART 180	Photography I	3
ART 215	Graphic Design I	3
ART 225	Digital Imaging I	3
ART 235	Digital Illustration I	3
ART 280	Photography II	3
ART 315	Graphic Design II	3
ART 420	Advanced Research Studio	4
ART 491	Visual Arts Seminar	2
ART 492	Visual Arts Capstone	2
ART 497	Internship	3

Choose 3 Courses 9

ART 245	Introduction to Web Design
ART 325	Digital Imaging II
ART 335	Digital Illustration II
ART 415	Graphic Design III

Choose 5 courses from additional art, business, communication, 15
or marketing:

ART 170	Printmaking I ¹
ART 210	Art History I
ART 211	Art History II
BUSI 214	Business Communications
BUSI 336	Business Data Solutions
COMM 314	Public Relations
COMM 315	Digital Communication
COMM 414	Social Media Management
COMM 483	Organizational Communication
MRKT 305	Principles of Marketing
MRKT 370	Advertising and Promotions

Total Credits 74

¹ Any additional Art course

Total General Education Requirement 39 Hrs

Total Major Requirement 74 Hrs

Total Credits Needed to Graduate 120 Hrs

For degree and graduation requirements, visit degree
requirements and graduation requirements (p. 22).

Plan of Study

First Year

Fall	Credits	Spring	Credits
ART 122	3	ART 115	3
ART 180	3	ART 130	3
ENGL 110 (Gen Ed)	3	ENGL 120 or 125 (Gen Ed)	3
Social Science (Gen Ed)	3	Lab Science (Gen Ed)	4
Computer Science and Literacy (Gen Ed)	3	Speech Communication (Gen Ed)	3
UNIV 150	1		
Total	16	Total	16

Second Year

Fall	Credits	Spring	Credits
ART 215	3	ART 280	3
ART 225	3	ART 411 or 345	3
ART 311	3	ART 235	3
MATH 104 (Gen Ed)	3	Lab Science (Gen Ed)	4

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Social Science (Gen Ed)	3	HPER 100 or 212 (Gen Ed)	2
	15		15
Third Year			
Fall	Credits Spring		Credits
Additional Humanities or Social Science (Gen Ed)	2	Additional Electives	3
Art and Music (Gen Ed)	3	ART 315	3
ART 245	3	ART 335	3
ART 325	3	ART 345 or 411	3
Literacies (Gen Ed)	3	ART 491	2
	14		14
Fourth Year			
Fall	Credits Spring		Credits
Additional Elective	3	Additional Electives	9
ART 420	4	ART 415	3
ART 497	3-12	ART 492	2
	10-19		14
Total Credits 114-123			

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. Students will demonstrate proficiency in the digital arts.
2. Students will demonstrate an understanding of historical and contemporary world design dialogues.
3. Students will demonstrate proficiency in business skills for the arts-related industry.
4. Students will demonstrate the awareness of social and ethical responsibilities, as the role of the designer by contributing to the cultural environment of the campus and community.
5. Students will develop a professional presence, skill set, and demeanor in preparation for career as a commercial artist.

Elementary Education

About this Composite Major



Upon successful completion of the VCSU Elementary Education program, a student will receive a Bachelor of Science degree in Elementary Education and be eligible for an initial North Dakota teaching license in grade 1-8. Elementary Education majors are required to spend over 150 hours in various field experiences, prior to completing a twelve-week student teaching experience. VCSU strives to prepare its teacher candidates for authentic classroom teaching by exposing them to many real-world teaching experiences. Teacher Candidates are encouraged to obtain a Substitute Teaching License and will spend time substitute teaching. This will allow VCSU teacher candidates to experience teaching independently, in addition to their supervised student teaching.

Job placement after graduation is a priority at VCSU. To enhance employment opportunities, teacher candidates add at least one endorsement, certificate, or minor in high need areas such as kindergarten, English Language Learners (ELL), STEM Education, or special education to their Elementary Education major.

Meet a Student



I knew I wanted to be in an elementary classroom through mentor opportunities in my high school. What I enjoy most about the elementary education program here is the professors, and the content they bring into the classroom. I have been introduced to so many materials and technology that I can't wait to utilize in my classroom! - Saige Forseth, Hillsboro, N.D.

Accreditations

VCSU is accredited by the Higher Learning Commission (HLC) of the North Central Association of Colleges and Schools; The National Council for the Accreditation of Teacher Education (NCATE); and The Council for the Accreditation of Educator Preparation (CAEP).

Teacher Education Requirements

Students will be typically admitted into Teacher Education during their sophomore year after successfully passing the Praxis CORE test, a minimum cumulative grade point average (GPA) of 2.75, plus additional criteria that can be found on the following website: www.onestop.vcsu.edu (<https://onestop.vcsu.edu/support/solutions/articles/10000052001-teacher-education/>).

Get Involved in your Major



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- Kappa Delta Pi (KDP)
- Student North Dakota United (SNDU)
- Substitute Teaching coaching and licensure
- Education Student Advisory Committee

Contact Information

Department Chair and Faculty Contact

Dr. Allen Burgad, allen.a.burgad@vcsu.edu, (701) 845-7184

Department Location

McFarland Hall 326, (701) 845-7196

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(701) 845-7101 or (800) 532-8641, ext. 7101

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
or ENGL 121	Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
or ENGL 121	Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology ¹	
BIOL 150	General Biology I ¹	
BIOL 151	General Biology II ¹	
BIOL 170	General Zoology ¹	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science ¹	
GEOL 106	The Earth Through Time ¹	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

ENGL 261	American Literature I
ENGL 262	American Literature II
HUM 201	Civilization, Thought, and Literary Heritage
PSYC 200	Ethics and Philosophy of Science
SPAN 101	1st Year Spanish I
SPAN 102	1st Year Spanish II
SPAN 201	2nd Year Spanish I
SPAN 202	2nd Year Spanish II
THEA 110	Introduction to Theatre Arts

Art and Music

Select one of the following: 3

ART 110	Introduction to the Visual Arts
ART 115	Introduction to Digital Media
ART 210	Art History I
ART 211	Art History II
ART 233	History of Craft
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 206	World Music
MUS 207	History of Rock and Roll

Social Science

Select 6 credits from the following: 6

COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
GEOG 151	Human Geography
HIST 103	United States to 1877 ²
HIST 104	United States to Present ²
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology ³
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography ³
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

¹ One course each in Biology and Earth Science.

² HIST 103 United States to 1877 or HIST 104 United States to Present is required

³ Required

Major Requirements

Code	Title	Credits
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Required Courses

EDUC 210	Creative Activities	2
EDUC 277	Mathematics for Elementary Teachers I	3
EDUC 278	Mathematics for Elementary Teachers II	3
EDUC 315	Mathematics in the Elementary School	3
EDUC 320	Social Studies in the Elementary School	3
EDUC 321	Foundations of Reading Instruction	3
EDUC 322	Methods of Language Arts Instruction	3
EDUC 323	Methods of Reading in the Elementary School	3
EDUC 330	Children's Literature	3
EDUC 350	Elementary Practicum and Classroom Management	2
EDUC 355	Science Methods for Elementary Teachers	3
EDUC 491	Senior Portfolio	1

Elementary Education Majors are required to take Chemistry, Physics, or STEM ED to fulfill State Science Requirements.

Choose one from the following courses:

CHEM 115	Introductory Chemistry
CHEM 116	Introduction to Organic and Biochemistry
CHEM 121	General Chemistry I
CHEM 122	General Chemistry II
PHYS 100	Concepts of Physics
PHYS 110	Introductory Astronomy
PHYS 211	College Physics I
PHYS 212	College Physics II
PHYS 251	University Physics I
PHYS 252	University Physics II
STEM ED 160	Integrative Physical Science for Elementary

Content Options

Each Elementary Education major is required to complete a second major, minor, or one of the following content options. 7-27
Dean of Education has right to waive these requirements.

Early Childhood

EDEC 1030	Infant and Toddler Care (offered through CC)
EDEC 1035	Infant and Toddler Care Lab (offered through CC)
EDEC 1200	Administration in Early Childhood Programs (offered through CC)
EDUC 310	Introduction to Early Childhood Education
EDUC 313	Language and Literacy in Early Childhood Education
EDUC 337	Pre-Kindergarten Observation and Assessment
EDUC 435	Kindergarten Education and Curriculum
EDUC 485	Student Teaching (Elementary)

ELL

EDUC 361	Foundations of Bilingual/Multicultural Education
EDUC 363	Assessing ELL Proficiency
EDUC 390	Methods of Teaching ELL
EDUC 464	Practicum in the ELL Classroom
ENGL 309	Linguistics and Language Acquisition
ENGL 409	Language and Culture

Kindergarten

EDUC 310	Introduction to Early Childhood Education
EDUC 313	Language and Literacy in Early Childhood Education
EDUC 337	Pre-Kindergarten Observation and Assessment
EDUC 435	Kindergarten Education and Curriculum
EDUC 485	Student Teaching (Elementary)

Middle School

EDUC 305	Philosophy and Curriculum of Middle Level Education
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EDUC 375	Teaching Reading in the Content Areas
EDUC 470	Methods of Teaching in the Middle School
Reading	
EDUC 375	Teaching Reading in the Content Areas
EDUC 430	Diagnosis and Correction of Reading Difficulties
EDUC 431	Practicum in Corrective Reading (Elementary)
Strategies Special Education	
EDUC 430	Diagnosis and Correction of Reading Difficulties
SPED 310	Behavior Modification
SPED 333	Assessment of Students with Disabilities
SPED 340	Learning Disabilities, Emotional Disorders, and Intellectual Disabilities
SPED 380	Collaboration, Consultation, and Transition Planning for Students with Disabilities
SPED 382	Methods and Materials of SLD
SPED 383	Methods and Materials of ED
SPED 384	Methods and Materials of ID
SPED 486	Special Education Student Teaching in SLD, ED, ID, and Assessment
STEM Education-Elementary	
STEM ED 160	Integrative Physical Science for Elementary
STEM ED 306	Inventions and Innovations - Technology Education for Children
STEM ED 310	Design, Technology and Engineering for Children
STEM ED 342	Data Collection and Analysis
STEM ED 355	STEM Curriculum and Methods for Elementary
Total Credits	

43-63

Professional Education Sequence 29 Hours

Code	Title	Credits
Professional Education Sequence		
EDUC 240	Educating Exceptional Students	3
EDUC 250	Introduction to Education	3
EDUC 283	Understanding Cultural Diversity in Education	3
EDUC 300	Educational Technology	2
EDUC 352	Culturally Diverse Practicum	1
or EDUC 464	Practicum in the ELL Classroom	
EDUC 400	Educational Psychology	2
EDUC 450	Trends in Assessment and Educational Issues	2
EDUC 490	Student Teaching (Elementary)	10
PSYC 250	Developmental Psychology	3
Total Credits		29

Total General Education 39 Hrs

Total Major Requirement 43-63 Hrs

Total Professional Education Sequence 29-30 Hrs

Total Credits Needed to Graduate 120-131 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year

Fall	Credits	Spring	Credits
Biology lab science (Gen Ed)	4	English Composition (Gen Ed)	3
CIS 170 or CSCI 127 (Gen Ed)	3	Geology lab Science (Gen Ed)	4
COMM 110 (Gen Ed)	3	HIST 103 or 104 (Gen Ed)	3
ENGL 110 (Gen Ed)	3	MATH 104 (Gen Ed)	3
HPER 100 (Gen Ed)	2	PSYC 111 (Gen Ed)	3
UNIV 150	1		
16		16	

Second Year

Fall	Credits	Spring	Credits
Chemistry or Physics lab science (Gen Ed)	4	EDUC 210	2
EDUC 250	3	EDUC 278	3
EDUC 277	3	EDUC 283	3
Literacies - OR - Art & Music (Gen Ed)	3	EDUC 321	3
PSYC 250	3	EDUC 352	1
		GEOG 111 (Gen Ed)	3
		Literacies - OR - Art & Music (Gen Ed)	3
16		18	

Third Year

Fall	Credits	Spring	Credits
EDUC 240	3	EDUC 320	3
EDUC 300	2	EDUC 323	3
EDUC 322	3	EDUC 450	2
EDUC 330	3	Endorsement courses	3-9
Endorsement courses	3-6		
14-17		11-17	

Fourth Year

Fall	Credits	Spring	Credits
EDUC 315	3	EDUC 490	10
EDUC 350	2	EDUC 491	1
EDUC 355	3		
EDUC 400	2		
Endorsement Courses	3-6		
13-16		11	

Total Credits 115-127

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

ONLINE COURSE ROTATION

FALL SEMESTER	SPRING SEMESTER	SUMMER SEMESTER
Elementary Education Required Courses EDUC 278 - Math for Elem Teach II EDUC 320 - Social Studies Methods EDUC 321 - Foundations of Reading EDUC 323 - Methods of Reading EDUC 350 - Practicum EDUC 351 - Sec. Prac. & Class Mgmt EDUC 355 - Science Methods EDUC 491 - Portfolio	Elementary Education Required Courses EDUC 210 - Creative Activities EDUC 277 - Math for Elem Teachers I EDUC 315 - Math Methods EDUC 320 - Social Studies Methods EDUC 321 - Foundations of Reading EDUC 322 - Methods of Lang. Arts EDUC 350 - Practicum EDUC 351 - Sec. Prac. & Class Mgmt EDUC 355 - Science Methods EDUC 491 - Portfolio	Elementary Education Required Courses EDUC 210 - Creative Activities EDUC 277 - Math for Elem Teachers I EDUC 278 - Math for Elem Teach II EDUC 315 - Math Methods EDUC 322 - Methods of Lang. Arts EDUC 323 - Methods of Reading
Professional Education Sequence EDUC 240 - Educating Exceptional EDUC 249 - Intro to VCSU EDUC 250 - Introduction to Education EDUC 283 - Cultural Diversity EDUC 300 - Educational Technology EDUC 352 - Cultural Diversity Pract. EDUC 400 - Educational Psychology EDUC 450 - Trends in Assessment EDUC 475 - Student Teaching: Secondary EDUC 480 - Student Teaching: Secondary EDUC 490 - Student Teaching: Elementary PSYC 250 - Developmental Psychology	Professional Education Sequence EDUC 240 - Educating Exceptional EDUC 249 - Intro to VCSU EDUC 250 - Introduction to Education EDUC 283 - Cultural Diversity EDUC 300 - Educational Technology EDUC 352 - Cultural Diversity Pract. EDUC 400 - Educational Psychology EDUC 450 - Trends in Assessment EDUC 475 - Student Teaching: Secondary EDUC 480 - Student Teaching: Secondary EDUC 490 - Student Teaching: Elementary PSYC 250 - Developmental Psychology	Professional Education Sequence EDUC 240 - Educating Exceptional EDUC 249 - Intro to VCSU EDUC 283 - Cultural Diversity EDUC 400 - Educ Psychology EDUC 450 - Trends in Assessment PSYC 250 - Developmental Psychology

ELEMENTARY EDUCATION COURSE ROTATION

FALL SEMESTER	SPRING SEMESTER	SUMMER SEMESTER
Elementary Education Required Courses EDUC 210 - Creative Activities EDUC 277 - Math for Elem Teachers I EDUC 315 - Math Methods EDUC 320 - Social Studies Methods EDUC 322 - Methods of Lang. Arts EDUC 330 - Children's Literature EDUC 350 - Practicum EDUC 351 - Sec. Prac. & Class Mgmt EDUC 355 - Science Methods EDUC 491 - Portfolio	Elementary Education Required Courses EDUC 278 - Math for Elem Teachers II EDUC 321 - Foundations of Reading EDUC 323 - Methods of Reading EDUC 330 - Children's Literature EDUC 350 - Practicum EDUC 351 - Sec. Prac. & Class Mgmt EDUC 491 - Portfolio	Elementary Education Required Courses Professional Education Sequence EDUC 400 - Educ Psychology (Synchronous & Online)
Professional Education Sequence EDUC 240 - Educating Exceptional EDUC 250 - Introduction to Education EDUC 283 - Cultural Diversity EDUC 300 - Educational Technology EDUC 352 - Cultural Diversity Pract. EDUC 400 - Educational Psychology EDUC 450 - Trends in Assessment EDUC 475 - Student Teaching- Secondary EDUC 480 - Student Teaching- Secondary EDUC 490 - Student Teaching- Elementary PSYC 250 - Developmental Psychology	Professional Education Sequence EDUC 240 - Educating Exceptional EDUC 250 - Introduction to Education EDUC 283 - Cultural Diversity EDUC 300 - Educational Technology EDUC 352 - Cultural Diversity Pract. EDUC 400 - Educational Psychology EDUC 450 - Trends in Assessment EDUC 475 - Student Teaching- Secondary EDUC 480 - Student Teaching- Secondary EDUC 490 - Student Teaching- Elementary PSYC 250 - Developmental Psychology	

CERTIFICATE & ENDORSEMENT ROTATION

***Endorsement coursework is available online and should be planned with a VCSU education advisor before starting the online elementary education program. Endorsement coursework is not required and may require additional semesters.*

	FALL	SPRING	SUMMER
➤ KINDERGARTEN	EDUC 310 (3) Intro to Early Childhood EDUC 337 (2) Pre-Kindergarten Observation (60-hour practicum) EDUC 485 (5) Kindergarten Student Teaching (6 Weeks)	EDUC 313 (3) Language and Literacy EDUC 337 (2) Pre-Kindergarten Observation (60-hour practicum) EDUC 435 (5) Kindergarten Education and Curriculum EDUC 485 (5) Kindergarten Student Teaching (6 Weeks)	EDUC 310 (3) Intro to Early Childhood EDUC 313 (3) Language and Literacy EDUC 337 (2) Pre-Kindergarten Observation (60-hour practicum) EDUC 435 (4) Kindergarten Education and Curriculum
➤ ENGLISH LANGUAGE LEARNERS	EDUC 363 (2) Assessing ELL Proficiency ENGL 409 (3) Language and Culture EDUC 464 (2) Practicum in ELL	ENGL 309 (3) Linguistics & Lang. Acquisitions (even years) EDUC 390 (2) Methods of Teaching ELL EDUC 464 (1) Practicum in ELL	ENGL 309 (3) Linguistics & Lang. Acquisitions EDUC 361 (2) Foundations of Bilingual
➤ READING CERTIFICATE	EDUC 375 (2) Teaching Reading Elem EDUC 430 (3) Diagnosis of Reading Difficulties EDUC 431 (2) Reading Practicum	EDUC 375 (2) Teaching Reading Elem EDUC 430 (3) Diagnosis of Reading Difficulties EDUC - 431 (2) Reading Practicum	EDUC 375 (2) Teaching Reading Elem EDUC 430 (3) Diagnosis of Reading Difficulties EDUC-431 (2) Reading Practicum
➤ MIDDLE SCHOOL CERTIFICATE	EDUC 375 (2) Teaching Reading Elem	EDUC 375 (2) Teaching Reading Elem	EDUC 375 (2) Teaching Reading Elem EDUC 305 (3) Philosophy & Curriculum Middle School EDUC 470 (3) Methods of Teaching in Middle School
➤ SPECIAL EDUCATION	SPED 340 (3) Learning, Emotional & Intellectual Disabilities SPED 380 (3) Collab, Consult, Trans & Inclusion SPED 382 (2) Methods and Mat. SLD SPED 383 (2) Methods and Mat. ED SPED 486 - (5) Student Teaching Experience in SLD, ED, and ID (6 weeks) EDUC 430 (3) Diagnosis of Reading Difficulties	SPED 310 Behavior Modification SPED 333 (3) Assessment of Children with Disabilities SPED 340 (3) Learning, Emotional & Intellectual Disabilities SPED 383 (2) Methods and Mat. ED SPED 384 (2) Methods and Mat. ID SPED 486 - (5) Student Teaching Experience in SLD, ED, and ID (6 weeks) EDUC 430 (3) Diagnosis of Reading Difficulties	SPED 340 (3) Learning, Emotional & Intellectual Disabilities SPED 380 (3) Collab, Consult, Trans & Inclusion EDUC 430 (3) Diagnosis of Reading Difficulties
➤ STEM EDUCATION CERTIFICATE	STEM ED 160 (4) Integrated Physical Science for Elementary Teachers STEM ED 306 (3) Inventions and Innovations - Technology Education for Children	STEM ED 160 (4) Integrated Physical Science for Elementary Teachers STEM ED 355 (3) Curriculum and Methods for Elementary	STEM ED 160 (4) Integrated Physical Science for Elementary Teachers STEM ED 310 (3) Design, Tech and Engineering for Children STEM ED 342 (3) Building Math

- Teacher candidates apply knowledge and skills to **evaluate** student learning during a unit taught to students in a P-12 classroom.
- Teacher candidates apply knowledge and skills to **reflect** on student learning and their own practice as a teacher during a unit of teaching students in a P-12 classroom.

Learning Outcomes

- Teacher candidates apply knowledge and skills to **plan** a unit that meets the needs of students in a P-12 classroom.
- Teacher candidates apply knowledge and skills to **implement** a unit that meets the needs of students in a P-12 classroom.

English

About this Major

The English degree involves the completion of three specific components—the General Education Core required of all VCSU graduates, a mix of required and elective courses in the major that prepares students in one of four specific cognates (Professional Writing, Literature Studies, Technical Writing, or General English), and a minor of the student's choosing.

Students work closely with advisors to determine which cognate would best fit future plans, which electives might suit them best term by term, and which minor to pursue. In short, the English program is designed to specifically help students find the right mix of courses for both their present desires and future needs, all with the help of advisors who thoroughly know the program.

Meet an English Student



"The English department here at VCSU is intimate—a focused family—and I think that will allow me to better concentrate on improving my writing and preparing myself for a post-graduate career." Garret Fettig, Bismarck, ND – 2023 graduate in English.

"My favorite thing about VCSU was the family-like culture and community. I loved that here. I was a name, not just a face. The relationships I built at VCSU were incomparable." Hannah Anderson, Milnor, ND – 2021 graduate in English.

Career Opportunities



available jobs require no more
than a bachelor's degree

\$48,000

median salary with an English
degree

Since English majors are sought after more for their ability to write well and to read and think critically and more broadly than majors with more narrowly defined skill sets, the English degree can be used for a variety of occupations involving writing, editing, and/or critical thinking, including journalism, publishing, legal work, advertising, marketing, management, technical writing, or any occupation involved with producing written work. English is also an excellent preparatory degree for graduate studies in law, literature or composition studies, physical therapy, and even medical school.

Specific career opportunities with an English degree can include:

- Author
- Editor
- Publisher
- Reporter
- Journalist
- Technical Writer or Editor
- Copywriter
- Proofreader
- Professor
- Lawyer
- Social Media curator

Get Involved in your Major



English Club — A lively group of majors, minors, and aficionados, English Club brings literary experiences to campus and/or hits the road to find them.

Sigma Tau Delta — Our local chapter of the International Honor Society for English majors and minors provides another avenue for seeking scholarships, a venue for publishing scholarship, and a vehicle for recognizing academic achievement.

The Forge — The campus literary and arts journal, hosted by our department and staffed by students taking the course ENGL 213 Literary Publications, publishes and offers awards for original student work on an annual basis.

Contact Information

Department Chair and Faculty Contact

Jodi Shorma, jodi.shorma@vcsu.edu, (701) 845-7231

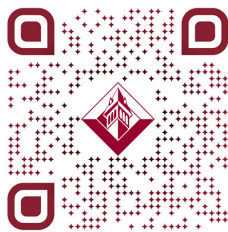
Department Location

McFarland Hall 315, (701) 845-7301

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(701) 845-7101 or (800) 532-8641, ext. 7101



**Learn more
about
studying
English
at Valley
City State
University**

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	

Lab Science

Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	

Wellness

Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	

Computer Science and Literacy

Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	

Humanities

Literacies

Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	
ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	

Art and Music

Select one of the following:		3
ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 206	World Music	
MUS 207	History of Rock and Roll	

Social Science

Select 6 credits from the following:		6
COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	

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ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2 or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

Major Requirements

Code	Title	Credits
Required Courses		
ENGL 310	Writing in the Major	3
ENGL 371	Critical Theory	3
ENGL 480	Shakespeare	3
ENGL 491	Senior Capstone	2
Directed Electives		
Literature Electives		
Select nine hours from the following:		9
ENGL 241	World Literature I	
ENGL 242	World Literature II	
ENGL 261	American Literature I	
ENGL 262	American Literature II	
ENGL 351	British Literature I	
ENGL 352	British Literature II	
Writing Electives		
Select seven hours from the following:		7
COMM 200	Introduction to Media Writing	
ENGL 125	Introduction to Professional Writing ¹	
ENGL 210	College Composition III: Persuasive Writing ¹	
ENGL 213	Literary Publications	
ENGL 305	Writing Workshop	
ENGL 309	Linguistics and Language Acquisition	
ENGL 330	Creative Writing	
ENGL 497	Internship	
Total Credits		27

¹ If ENGL 125 or ENGL 210 is taken as a General Education Studies course, it will not fulfill one of the writing course menu options.

Students Choose One of the Following Cognates:

Professional Writing Cognate

Code	Title	Credits
Select twelve hours from the following:		12
COMM 314	Public Relations	
COMM 315	Digital Communication	
COMM 344	Reporting and Feature Writing	
ENGL 300	Grammatical Analysis	
ENGL 330	Creative Writing	
ENGL 410	Technical and Scientific Writing	
ENGL 420	Writing for the Web	
Total Credits		12

Literature Studies Cognate

Code	Title	Credits
Select twelve hours from the following:		12
ENGL 351	British Literature I	
ENGL 352	British Literature II	
ENGL 430	Studies in Poetry	
ENGL 440	Studies in World Literature	
ENGL 450	Studies in British Literature	
ENGL 460	Studies in American Literature	
Total Credits		12

General English Cognate

Code	Title	Credits
Select twelve hours from the following:		12
COMM 212	Interpersonal Communication	
COMM 314	Public Relations	
EDUC 390	Methods of Teaching ELL	
ENGL 300	Grammatical Analysis	
ENGL 305	Writing Workshop	
ENGL 409	Language and Culture	
ENGL 440	Studies in World Literature	
ENGL 450	Studies in British Literature	
ENGL 460	Studies in American Literature	
Total Credits		12

Technical Writing Cognate

Code	Title	Credits
CIS 329	Information Systems Management	3
ENGL 410	Technical and Scientific Writing	3
ENGL 420	Writing for the Web	3
SE 381	Project Management	3
Total Credits		12

Total General Education 39 Hrs
Total Major Requirement 27 Hrs
Total Cognate Requirement 12 Hrs
Total Credits Needed to Graduate 120 Hrs

Note: This major requires a minor

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year

Fall	Credits	Spring	Credits
ENGL 110 (Gen Ed)	3	ENGL 120 (Gen Ed)	3
Lab Science (Gen Ed)	4	Lab Science (Gen Ed)	4
MATH 104 (Gen Ed)	3	Literacies (Gen Ed)	3
Speech Communication (Gen Ed)	3	Social Science (Gen Ed)	3
Computer Science and Literacy (Gen Ed)	3	Wellness (Gen Ed)	2
	16		15

Second Year

Fall	Credits	Spring	Credits
Art and Music (Gen Ed)	3	Additional Humanities or Social Science (Gen Ed)	2
Literature Elective	3	BA or BS Block Elective	3
Minor Elective	3	Concentration Elective	3
Social Science (Gen Ed)	3	ENGL 310	3
Writing Elective	3	Literature Elective	3
	15		14

Third Year

Fall	Credits	Spring	Credits
BA or BS Block Elective	3	BA or BS Block Elective	3
Concentration Elective	3	BA or BS Block Elective	3
Minor Elective	3	Concentration Elective	3
Writing Elective	3	Minor Elective	3
Literature Elective	3	ENGL 371	3
	15		15

Fourth Year

Fall	Credits	Spring	Credits
BA or BS Block Elective	3	BA or BS Block Elective	3
Concentration Elective	3	Concentration Elective	3
Minor Elective	3	ENGL 213	1
Minor Elective	3	ENGL 491	2
Minor Elective	3	ENGL 480	3
		Minor Elective	3
	15		15

Total Credits 120

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

Our graduates will:

1. Possess strong academic and creative writing skills;
2. Exhibit vital critical reading and thinking skills;
3. Routinely apply competent research skills; and
4. Understand the value of cultural fluency.

English Education

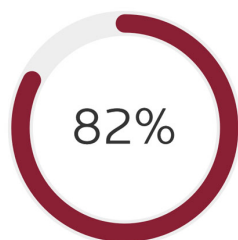
About this Composite Major

The English Education degree involves the completion of three components—the General Education Core of courses, a Professional Education Sequence for Secondary Education majors, and a mix of required and elective courses in the Major that prepare students for both the certification exams required for teacher licensure, and for the demands of their future classrooms.

Students work closely with advisors in determining which General Education courses best fit their interests as well as determining when to take required courses and professional education courses. Additionally, offerings in Literature, Writing, and Communication and Media Studies present a variety of choices for students as they develop preferences and grow more savvy about what will help them reach their goals.

VCSU English Education majors often combine their learning with certificates, endorsements, and minors in Teaching English Language Learners, Spanish, Library Media and Information Science, and STEM Education, and some even go on to pursue graduate school to build upon their qualifications, to broaden their knowledge base, or both.

Career Opportunities



of jobs posted in this field
require a bachelor's degree

\$56,003

median salary in the midwest
region for English education
graduates

In your career as an English Language Arts Teacher, you will need skills in many different areas. Some of those skill areas include:

- Teaching
- Instructional Design
- Assessment
- Unit Planning
- Project Management
- Classroom Management

Meet an English Education Student



"I chose VCSU because of the small, close-knit community that has allowed me to grow individually and as a future educator. The classes and professors have pushed me to better myself in the classroom and as a person. English Education was my first choice of study because it allowed me to become a mentor to young people, who need a positive role model in their lives like my teachers were to me." - Dahlia Diegel, Wishek, ND - 2023 graduate in English Education with a minor in Library and Media Information Services.

"VCSU is an opportunity to express who I am without having to feel ashamed. Every day brings a new love for education and my future career." - Kaitlyn Myrum, Petersburg, ND - 2022 graduate in English Education with a minor in Spanish.

"I love VCSU because it feels like a family. Everybody is so kind and helpful. I am proud to be a Viking." - Alexa Walby, Dickinson, ND - 2023 graduate in English Education with a minor in Library and Media Information Services.

Teacher Education Requirements

Students are typically admitted into Teacher Education during their sophomore year or beginning of their junior year of college. This program requires a minimum cumulative GPA of 2.75 or higher and successful completion of the Praxis Core tests. Criteria for Admission to Teacher Education can be found at website: www.onestop.vcsu.edu (<https://onestop.vcsu.edu/support/solutions/articles/10000052001-teacher-education/>).

Get Involved in your Major



English Club — A lively group of majors, minors, and aficionados, English Club often brings literary experiences to campus and/or hits the road to find them.

Sigma Tau Delta — Our local chapter of the International Honor Society for English majors provides another avenue for seeking scholarships, a venue for publishing scholarship, and a vehicle for recognizing academic achievement.

The Forge — The campus literary and arts journal, hosted by our department and staffed by students taking the course ENGL 213 Literary Publications, publishes and offers awards for original student work on an annual basis.

Accreditations

- Council for the Accreditation of Educator Preparation (CAEP)

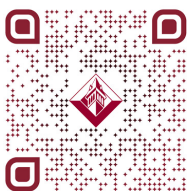
Contact Information

Department Chair and Faculty Contact

Jodi Shorma, jodi.shorma@vcsu.edu, (701) 845-7231

Department Location

McFarland Hall 315, (701) 845-7301



Learn more about
studying English
Education at
Valley City State
University

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3

COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	
ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	
Art and Music		
Select one of the following:		3
ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	

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ART 211	Art History II
ART 233	History of Craft
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 206	World Music
MUS 207	History of Rock and Roll

Social Science

Select 6 credits from the following: 6

COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

Major Requirements

Code	Title	Credits
Required Courses		
ENGL 300	Grammatical Analysis	3
ENGL 309	Linguistics and Language Acquisition	3
ENGL 310	Writing in the Major	3
ENGL 350	Young Adult Reading and Literature	3
ENGL 371	Critical Theory	3
ENGL 480	Shakespeare	3
ENGL 490	Methods of Teaching English	3
ENGL 491	Senior Capstone	2

National and Minority Literature

Select one course from each of the following 4 areas. One selection must be a 300/400 level course. 12

American Literature	
ENGL 261	American Literature I
ENGL 262	American Literature II
ENGL 460	Studies in American Literature
British Literature	
ENGL 351	British Literature I
ENGL 352	British Literature II

ENGL 450	Studies in British Literature
World Literature	
ENGL 241	World Literature I
ENGL 242	World Literature II
ENGL 440	Studies in World Literature
Other	
ENGL 232	Mythology
Or a second selection from American Literature, British Literature, or World Literature	

Writing Courses

Select four hours from the following: 4

COMM 200	Introduction to Media Writing
COMM 314	Public Relations
ENGL 125	Introduction to Professional Writing ¹
ENGL 210	College Composition III: Persuasive Writing ¹
ENGL 213	Literary Publications
ENGL 305	Writing Workshop
ENGL 330	Creative Writing
ENGL 410	Technical and Scientific Writing
ENGL 420	Writing for the Web

Communication and Media Studies

Select three hours from the following: 3

COMM 112	Understanding Media and Social Change
COMM 211	Oral Interpretation
ENGL 225	Introduction to Film
THEA 110	Introduction to Theatre Arts

Total Credits 42

¹ If ENGL 125 Introduction to Professional Writing or ENGL 210 College Composition III: Persuasive Writing is taken as a General Education Studies course, it will not fulfill one of the writing course menu options.

Total General Education 39 Hrs

Total Major Requirement 42 Hrs

Total Professional Education Sequence 32-33 Hrs

Total Credits Needed to Graduate 120 Hrs

Professional Education Sequence

Code	Title	Credits
Professional Education Sequence		
EDUC 240	Educating Exceptional Students	3
EDUC 250	Introduction to Education	3
EDUC 283	Understanding Cultural Diversity in Education	3
EDUC 300	Educational Technology	2
EDUC 351	Secondary Practicum and Classroom Management	1
EDUC 352	Culturally Diverse Practicum	1
or EDUC 464	Practicum in the ELL Classroom	
EDUC 375	Teaching Reading in the Content Areas	2
EDUC 400	Educational Psychology	2
EDUC 450	Trends in Assessment and Educational Issues	2
EDUC 480	Student Teaching (Secondary)	10
PSYC 250	Developmental Psychology	3
Total Credits		32

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year

Fall	Credits	Spring	Credits
English Composition (Gen Ed)	3	English Composition (Gen Ed)	3
Lab Science (Gen Ed)	4	ENGL 225	3
Mathematics (Gen Ed)	3	HPER 100 (Gen Ed)	2
Speech Communication (Gen Ed)	3	Lab Science (Gen Ed)	4
Computer Science and Literacy (Gen Ed)	3	PSYC 111 (Gen Ed)	3
UNIV 150	1		
	17		15

Second Year

Fall	Credits	Spring	Credits
Art and Music (Gen Ed)	3	COMM 112 (Gen Ed)	3
COMM 211	3	EDUC 283	3
EDUC 250	3	EDUC 352	1
ENGL 220 (Gen Ed)	3	ENGL 213	1
ENGL 261	3	ENGL 309	3
ENGL 300	3	ENGL 371	3
	18		14

Third Year

Fall	Credits	Spring	Credits
COMM 200	3	ENGL 310	3
EDUC 351	1	ENGL 350	3
ENGL 241	3	ENGL 480	3
ENGL 490	3	EDUC 400	2
EDUC 375	2	EDUC 300	2
EDUC 240	3		
	15		13

Fourth Year

Fall	Credits	Spring	Credits
Additional Humanities or Social Science (Gen Ed)	2	EDUC 480	10
COMM 315	3	THEA 110	3
ENGL 440	3		
EDUC 450	2		
PSYC 250	3		
ENGL 491	2		
	15		13

Total Credits 120

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

Our graduates will:

1. Possess strong academic and creative writing skills;
2. Exhibit vital critical reading and thinking skills;
3. Routinely apply competent research skills; and
4. Understand the value of cultural fluency.

Environmental Science

About this Composite Major

The Environmental Science program prepares students to enter the job force in an environmental-related field, or to further their education in graduate school. This major integrates courses from all of the major fields of science - geology, biology, chemistry, and physics—so it is well-suited for those who are interested in environmental issues, as well as students who enjoy all subjects in science, but prefer not to focus on one specific area.

Many of the courses in the Environmental Science major at VCSU involve frequent field trips to provide hands-on experience. Faculty also encourage students to participate in research projects or internships during the school year and the summer. The Student Opportunities for Academic Research (SOAR) program provides competitive research stipends, and several faculty members in the Science Department also have access to grants to fund student work. Faculty actively help students to search for and apply for internships and jobs with local environmental companies and state and federal agencies. Additionally, guest lecturers from agencies frequently visit classes to discuss employment opportunities.

Meet a Student



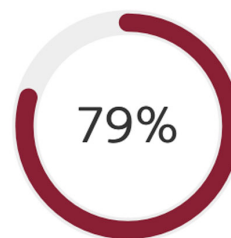
"I went on a trip to the Boundary Waters with my professor for an archaeological dig. While there, I was able to put my soils and geology knowledge to use. My classroom experience has been phenomenal. Environmental Science

is such a well-rounded discipline that our teachers really utilize that aspect. We are able to talk about the biology, chemistry, ecology, economics, philosophy, politics and so much more!" —Michaela Halvorson, Milnor, N.D.

Career Opportunities

**73,391
jobs**

posted in this field in the last
year



of jobs in this field require a
bachelor's degree

Graduates of the program will gain the education and experiences necessary to work in a wide variety of well-paying fields, including environmental consulting, natural resource management, the energy industry, public health, and many others. Have a voice in the arena on current issues such as governmental policies, climate change, or economics with your Environmental Science degree.

Career opportunities include:

- Forest or Conservation Technician
- Environmental Regulatory Technician
- Health, Safety and Environment Specialist
- Conservation Scientist
- Park Ranger
- Environmental Planner/Scientist
- Environmental Engineering Technician
- Sustainability Specialist
- Environmental Compliance Specialist
- Compliance Officer/Analyst

Get Involved in your Major



- Fisheries and Wildlife Conservation Club
- Pre-Professional Club

Practical Experience

The Rhoades Science Center includes a greenhouse for work in biology and botany, a planetarium, and laboratories for earth science, biology, fisheries and wildlife, chemistry, and physics. Students have access to fully equipped Aquatic Macroinvertebrate and Biomedical Research laboratories, Prairie Waters Education and Research Center, the dam and reservoir at Lake Ashtabula, the Valley City National Fish Hatchery, weather stations, a river gauge station along the Sheyenne River, and two pontoon boats and a 20-foot sampling boat for biology and fisheries field trips.

Technology and Research

Technology used by students in this major include:

- Global Information System (GIS) training
- Handheld X-ray fluorescence spectrometer
- Multiparameter water quality sonde
- Illuminometer

In addition, VCSU faculty have connections with area agencies, allowing students to work as interns or other research associates for various agencies. Some of these agencies include:

- North Dakota Department of Health
- USGS Northern Prairie Wildlife Research Center
- North Dakota Fish and Game Department
- USFWS Wetland Management District
- Soil Conservation District
- North Dakota State Extension Service
- North Dakota Parks and Recreation

Contact Information

Department Chair

Dr. Nicholas Galt, nicholas.galt@vcsu.edu, (701) 845-7459

Faculty Contact

Dr. Michelle Abshire, michelle.abshire@vcsu.edu, (701) 845-7455

Department Location

Rhoades Science Center 203, (701) 845-7452

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II ¹	
or ENGL 12!Introduction to Professional Writing		
or		
ENGL 120	College Composition II ¹	
or ENGL 12!Introduction to Professional Writing		
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	

Mathematics

Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	

Lab Science

Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I ²	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I ²	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	

Wellness

Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	

Computer Science and Literacy

Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	

Humanities

Literacies

Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	
ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	

Art and Music

Select one of the following:		3
ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	

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MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 206	World Music
MUS 207	History of Rock and Roll

Social Science

Select 6 credits from the following: 6

COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

¹ Required ENGL 125 Introduction to Professional Writing

² Required

Major Requirements

Code	Title	Credits
BIOL 151	General Biology II	4
BIOL 350	Environmental Contaminants	3
BIOL 360	Environmental Law and Regulations	3
BIOL 440	Biostatistics and Experimental Design	4
BIOL 455	Introduction to GIS	4
BIOL 491	Integrated Science Capstone	2
CHEM 122	General Chemistry II	5
GEOL 100	Introduction to Earth Science	4
GEOL 300	Environmental Earth Science	4
GEOL 315	Soil Science and Survey	4
GEOL 416	Hydrology	4
MATH 165	Calculus I	4
PHYS 211	College Physics I	4

Directed Electives

Select sixteen hours from the following: 16

BIOL 267	Environmental History
BIOL 310	Microbiology
BIOL 311	Botany

BIOL 375	Conservation Biology
BIOL 410	Field Ecology
BIOL 413	Restoration and Plant Ecology
BIOL 430	Human Dimensions in Fisheries and Wildlife
BIOL 470	Limnology
CHEM 330	Quantitative Analysis I
CHEM 331	Quantitative Analysis II
CHEM 341	Organic Chemistry I
CHEM 342	Organic Chemistry II
ENGL 410	Technical and Scientific Writing
GEOG 151	Human Geography
GEOL 106	The Earth Through Time
PHYS 212	College Physics II

Total Credits 65

Total General Education 39 Hrs

Total Major Requirement 65 Hrs

Total Credits Needed to Graduate 120 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year

Fall	Credits	Spring	Credits
CHEM 121 (Gen Ed)	5	BIOL 151	4
GEOL 100	4	CHEM 122	5
MATH 107 (Gen Ed)	3	Elective	3
UNIV 150	1	ENGL 125 (Gen Ed)	3
English Composition (Gen Ed)	3		
	16		15

Second Year

Fall	Credits	Spring	Credits
BIOL 150 (Gen Ed)	4	Directed Elective	4
GEOL 315	4	GEOL 300	4
PHYS 161	4	HPER 100 (Gen Ed)	2
Social Science (Gen Ed)	3	MATH 146	3
		Speech Communication (Gen Ed)	3
	15		16

Third Year

Fall	Credits	Spring	Credits
BIOL 375	4	Art and Music (Gen Ed)	3
Directed Elective	4	BIOL 360	3
Literacies (Gen Ed)	3	BIOL 440	4
Computer Science and Literacy (Gen Ed)	3	Elective	3
		Social Science (Gen Ed)	3
	14		16

Fourth Year

Fall	Credits	Spring	Credits
Additional Humanities or Social Science (Gen Ed)	2	BIOL 455	4
BIOL 491	2	Directed Elective	4
Directed Elective	4	Elective	4

Elective	4	GEOL 416	4
	12		16

Total Credits 120

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

On completion of the Environmental Science Program the student should be able to:

1. Understand the natural environment and its relationship with human activities
2. Exhibit critical thinking skills by applying the scientific method to solve problems
3. Exhibit the ability to read and communicate in a scientific style
4. Understand how to implement scientific research strategies, such as collecting, managing, and interpreting data.

Exercise Science and Rehabilitative Studies

About this Composite Major

The Exercise Science and Rehabilitative Studies major is designed to provide the pre-requisite courses and curriculum for students wishing to pursue professional degrees in athletic training, physical therapy, occupational therapy, physician assistant, chiropractic, cardiac rehab, and other rehabilitative health care professions.

The courses in this major are hands-on and interactive. Students have the opportunity to learn in a practical setting with professionals in the fields of study. Students entering the Exercise Science and Rehabilitative Studies program will complete a field experience fostering a real-world experience to enhance their understanding of the daily requirements in their desired profession. The experiences in the ESRS program will prepare students for a smooth and successful transition to their professional graduate degree.

As part of the ESRS program, students also earn a certificate of completion for strength and conditioning. The combination of required courses and the certificate of completion prepares students to sit for the Certified Strength and Conditioning Specialist (CSCS) exam. This is a highly-sought credential for those interested in increasing marketability in their prospective professional setting.

Meet a Student



During my time in the Exercise Science and Rehabilitative Studies program, I truly got an understanding and a feel for what I was wanting to do with my future. Through all of the hands-on practical experience in each of the classes and the professors who were always willing to go over things again, or meet and explain things further, it was

easy to feel out what types of careers would be good for myself. Because of all of that, I finally found a profession that I can wholeheartedly say will make me happy. The professors in this program helped show what a day in your professional careers could look like, while still giving you so much knowledge and sharing their personal experiences to prepare you for it, and I think that is the biggest plus of this program. – McKenna Taylor

Career Opportunities



A degree in Exercise Science and Rehabilitation from VCSU can open up opportunities you never thought possible. Use your education to create the future you've dreamed of. Career opportunities with this degree can include:

- Athletic Trainer
- Physical Therapist
- Occupational Therapist
- Chiropractor
- Cardiac Rehab
- Dietitian or Nutritionist
- Health Education Specialist
- Other rehabilitative healthcare professions

Get Involved in your Major

The Exercise Science Club provides students opportunities to discuss current topics in the profession and provides community outreach programs. The club also works to provide opportunities for attendance at professional conferences in the region.

Contact Information

Department Chair and Faculty Contact

Dr. Rachelle Hunt, rachelle.hunt@vcsu.edu, (701) 845-7260

Department Location

Gaukler Family Wellness & Physical Education Center, 149,
(701) 845-7580

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(701) 845-7101 or (800) 532-8641, ext. 7101

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
or ENGL 121	Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
or ENGL 121	Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I ¹	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I ¹	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

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ENGL 261	American Literature I
ENGL 262	American Literature II
HUM 201	Civilization, Thought, and Literary Heritage
PSYC 200	Ethics and Philosophy of Science
SPAN 101	1st Year Spanish I
SPAN 102	1st Year Spanish II
SPAN 201	2nd Year Spanish I
SPAN 202	2nd Year Spanish II
THEA 110	Introduction to Theatre Arts

Art and Music

Select one of the following: 3

ART 110	Introduction to the Visual Arts
ART 115	Introduction to Digital Media
ART 210	Art History I
ART 211	Art History II
ART 233	History of Craft
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 206	World Music
MUS 207	History of Rock and Roll

Social Science

Select 6 credits from the following: 6

COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology ¹
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

¹ Required

Major Requirements

Code	Title	Credits
Required Courses		
BIOL 220	Human Anatomy and Physiology I	4

BIOL 221	Human Anatomy and Physiology II	4
CHEM 121	General Chemistry I	5
HPER 127	Introduction to Kinesiology	3
HPER 128	Communication for Health Care Professionals	3
HPER 207	Prevention and Care of Athletic Injuries	2
HPER 226	Recognition of Orthopedic Injuries I	3
HPER 227	Recognition of Orthopedic Injuries II	3
HPER 258	Applied Anatomy, Physiology, and Human Performance	3
HPER 259	Applied Anatomy, Physiology, and Human Performance	3
HPER 326	Therapeutic Modalities	3
HPER 328	Therapeutic Exercise	3
HPER 384	Fitness Assessment and Prescription	3
HPER 444	Exercise Physiology of Peak Performances	3
HPER 454	Evidence-Based Practice	3
MATH 321	Applied Probability and Statistics	3
or PSYC 330	Understanding Statistics	
PSYC 250	Developmental Psychology	3

Directed Electives 21

BIOL 151	General Biology II
BIOL 310	Microbiology
BIOL 315	Genetics
BIOL 441	Cell Biology
CHEM 122	General Chemistry II
HPER 109	Exercise Techniques and Program Design
HPER 210	First Aid & CPR
HPER 215	Motor Behavior
HPER 287	Field Experience
HPER 308	Introduction to Nutrition
HPER 309	Sport Nutrition Concepts
HPER 311	Emergency Response Management
HPER 315	Communicable and Non-Communicable Diseases
HPER 332	Foundations of Clinical Medicine
HPER 350	Sport Ethics
HPER 387	Field Experience
HPER 400	Current Issues in Community Health
HPER 438	Organization and Administration for Kinesiology
PHYS 212	College Physics II
PSYC 370	Abnormal Psychology

Total Credits 75

Total General Education 39 Hrs

Total Major Requirement 75 Hrs

Total Credits Needed to Graduate 120 Hrs

Plan of Study

First Year

Fall	Credits	Spring	Credits
BIOL 150 (Gen Ed)	4	ENGL 125 (Gen Ed)	3
English Composition (Gen Ed)	3	HPER 128	3
HPER 127	3	Lab Science (Gen Ed)	4
Computer Science and Literacy (Gen Ed)	3	MATH 104, 107, or 210 (Gen Ed)	3
UNIV 150	1	PSYC 111 (Gen Ed)	3
Wellness (Gen Ed)	2		
16		16	

Second Year

Fall	Credits	Spring	Credits
HPER 109 (Directed Elective)	3	HPER 259	3

HPER 207	2	PSYC 250	3
HPER 210	1	Directed Elective	3
HPER 258	3	Literacies (Gen Ed)	3
PHYS 211	4		
Speech Communication (Gen Ed)	3		
	16		12
Third Year			
Fall		Credits Spring	Credits
BIOL 220	4	BIOL 221	4
HPER 311 (Directed Elective)	3	HPER 227	3
HPER 226	3	HPER 309 (Directed Elective)	3
PSYC 370	3	HPER 384	3
Art and Music (Gen Ed)	3	Social Science (Gen Ed)	3
	16		16
Fourth Year			
Fall		Credits Spring	Credits
CHEM 121	5	HPER 326	3
HPER 328	3	HPER 387 (Directed Elective)	3
HPER 332 (Directed Elective)	3	HPER 454	3
HPER 444	3	MATH 321 or PSYC 330	3
		Additional Humanities or Social Science (Gen Ed)	2
	14		14
Total Credits 120			

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. The student will demonstrate the ability to relate concepts of anatomy, physiology, and biomechanics.
2. The student will formulate relationships between proper nutrition, physical activity, prevention of common diseases and overall wellness.
3. Students (when applicable) will apply and gain admission to professional or graduate school.

Fisheries and Wildlife Science

About this Composite Major

The Fisheries and Wildlife Sciences degree (B.A. or B.S.) prepares students for careers in natural resource management with state and federal agencies, and conservation organizations. Graduates are qualified for federal positions with agencies such as the U.S. Fish and Wildlife Service, U.S. Forest Service, National Park Service, Environmental Protection Agency, U.S. Geological Survey and others. Common conservation organizations include Ducks Unlimited, Pheasants Forever, Delta Waterfowl, and The Nature Conservancy. The degree also prepares you for higher academic degrees. The curriculum allows you to meet the certification requirements of the American Fisheries Society and The Wildlife Society. You have the choice of majoring in the Fisheries Concentration, Wildlife Concentration, Conservation Law Enforcement Concentration, or a combination of these three concentrations.

Meet a Student



"Valley City does a very good job in the fisheries and wildlife program making sure kids have the hands on experience they need. That prepared me for internships and future jobs." - Amy (Doll) Gebhard; fisheries biologist with South Dakota Game, Fish and Parks

"The focus is on mentoring and preparing students not only to have the academic knowledge base to be a professional, but to outline the steps needed to end up where you want to end up. You could become a scientist, or be on the ground managing a landscape." - Kyle McLean, PhD, *Research Ecologist with USGS Northern Prairie Wildlife Research Center*

Career and Summer Internship Opportunities



Multiple field trips involving hands-on experience are taken in all fisheries and wildlife classes. Faculty strongly encourage students to get summer work experience through fisheries and wildlife internships and actively help students obtain those summer positions. VCSU biology faculty have connections with many area agencies including:

- North Dakota Game and Fish Department
- U.S. Fish and Wildlife Services
- North Dakota Parks and Recreation
- U.S. Army Corps of Engineers
- USGS Northern Prairie Wildlife Research Center

Internships provide you with great practical experience and make our graduates more competitive in the job market. Guest lecturers from various agencies often visit classrooms to lecture on management issues or discuss employment opportunities.

Get Involved in your Major



Both the VCSU Student Chapter of the Wildlife Society and the American Fisheries Society Student Subunit are active organizations that schedule outings and field trips. Prairie Waters Education and Research Center is a short drive away from campus. VCSU, nestled in the middle of farm country, is located minutes from wetlands, rivers, and prairie, making for phenomenal hunting and fishing. The lakes of Minnesota are one hour away, and the breathtaking badlands of western

North Dakota are four hours away. With these scenic options nearby, the classroom is often reached by foot.

Practical Experience



VCSU is uniquely positioned for students in this major to thrive with the Sheyenne River only 75 yards from the science building for hands-on lab opportunities. The program has two pontoon boats and a 20-foot sampling boat for Fisheries and Limnology field trips at Lake Ashtabula Reservoir and other area lakes. The Rhoades Science Center houses state-of-the-art terrestrial and aquatic biology labs, along with fully equipped aquatic macroinvertebrate and necropsy labs.



Contact Information

Department Chair

Dr. Nicholas Galt, nicholas.galt@vcsu.edu, (701) 845-7459

Faculty Contacts

Dr. Bob Anderson, bob.anderson@vcsu.edu, (701) 845-7338

Dr. Casey Williams, casey.williams@vcsu.edu, (701) 845-7457

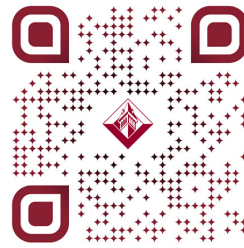
Campus Location

Rhoades Science Center 203, (701) 845-7452

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Learn more
about
studying
Fisheries
and Wildlife
at Valley
City State
University

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General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
or ENGL 12!	Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
or ENGL 12!	Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I ¹	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry ²	
CHEM 121	General Chemistry I ²	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science ²	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I ²	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	
ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	
Art and Music		
Select one of the following:		3
ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 206	World Music	
MUS 207	History of Rock and Roll	
Social Science		
Select 6 credits from the following:		6
COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
GEOG 151	Human Geography	
HIST 103	United States to 1877	
HIST 104	United States to Present	
HIST 211	World Civilizations to 1500	
HIST 212	World Civilizations since 1500	
HIST 267	Environmental History	
HIST 270	Native American Studies	
POLS 115	American National Government	
POLS 116	State and Local Government	
PSYC 111	Introduction to Psychology	
SOC 110	Introduction to Sociology	
SOC 111	Introduction to Anthropology	
Additional Humanities or Social Science		
Select one additional course from Humanities or Social Science		2
or select from the following:		
ART 122	Two-Dimensional Design	
ART 130	Drawing I	
ART 150	Ceramics I	
ART 180	Photography I	
GEOG 111	Survey of Geography	
MUS 104	Group Piano for Non-Majors	
MUS 105	Group Piano for Non-Majors	
MUS 130	Valkyries	
MUS 131	Concert Choir	
MUS 140	Athletic Band	
MUS 141	Concert Band	
PHYS 275	Planetarium Science	
THEA 201	Theatre Practicum	
Total Credits		39

¹ Required

² Choose one of four

Major Requirements

Code	Title	Credits
Required Courses		
BIOL 121	Introduction to Fisheries and Wildlife Sciences	4
BIOL 122	Fisheries and Wildlife Techniques	4
BIOL 151	General Biology II	4
BIOL 170	General Zoology	4
BIOL 311	Botany	4
BIOL 360	Environmental Law and Regulations	3
BIOL 375	Conservation Biology	4
BIOL 410	Field Ecology	4
BIOL 430	Human Dimensions in Fisheries and Wildlife	3
BIOL 455	Introduction to GIS	4
BIOL 491	Integrated Science Capstone	2
Total Credits		40

Student must complete the **Required Courses** and select at least **one Concentration** from the following:

Fisheries Concentration

Code	Title	Credits
Concentration A-Fisheries Focus		
Required Courses		
BIOL 347	Aquatic Entomology	4
BIOL 367	Ichthyology	4
BIOL 412	Fisheries Management	4
BIOL 440	Biostatistics and Experimental Design	4
BIOL 470	Limnology	4
ENGL 410	Technical and Scientific Writing	3
	or COMM 200 Introduction to Media Writing	
	or COMM 314 Public Relations	
MATH 165	Calculus I	4
Electives - Select two courses from the following:		8
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 300	Environmental Earth Science	
GEOL 315	Soil Science and Survey	
GEOL 416	Hydrology	
PHYS 211	College Physics I	
Total Credits		35

Wildlife Concentration

Code	Title	Credits
Concentration B-Wildlife Focus		
Required Courses		
BIOL 312	Botany	4
	or BIOL 413 Restoration and Plant Ecology	
BIOL 336	Range Management and Range Plants	4
BIOL 343	Ornithology	4
BIOL 355	Mammalogy	4
BIOL 411	Wildlife Management	4
BIOL 440	Biostatistics and Experimental Design	4
GEOL 315	Soil Science and Survey	4
ENGL 410	Technical and Scientific Writing	3
	or COMM 200 Introduction to Media Writing	
	or COMM 314 Public Relations	
MATH 165	Calculus I	4
	or MATH 210 Elementary Statistics	
Total Credits		35

Conservation Law Enforcement Concentration

Code	Title	Credits
Concentration C-Conservation Law Enforcement		
Required Courses		
BIOL 343	Ornithology	4
BIOL 355	Mammalogy	4
BIOL 367	Ichthyology	4
CJ 252	Introduction to the Social and Criminal Justice System	3
CJ 390	Criminology and Delinquency	3
POLS 116	State and Local Government	3
POLS 376	U.S. Constitution: Civil Liberties	3
Electives - Select two courses from the following:		6
COMM 200	Introduction to Media Writing	
COMM 314	Public Relations	
ENGL 410	Technical and Scientific Writing	
Total Credits		30

Total General Education 39 Hrs

Total Major Requirement 40 Hrs

Total Concentration Requirement 30-35 Hrs

Credits Total Credits Needed to Graduate 120 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Fisheries Concentration



The Fisheries and Wildlife Sciences degree (B.S.) with a Fisheries focus prepares students for careers as fisheries professionals with state and federal agencies, conservation organizations, environmental consulting, and graduate school.

Graduates are qualified for federal positions with agencies such as the U.S. Fish and Wildlife Service, U.S. Forest Service, Natural Resources Conservation Service, U.S. Geological Survey and others. The degree also prepares you for higher academic degrees, and about 15% of graduates go on to earn a Master's degree. Students majoring in the Fisheries Concentration meet the certification requirements of The American Fisheries Society as an Associate Fisheries Professional upon graduation.

Hands-on experience is a major component of all Fisheries courses at VCSU and is applied in both laboratory and field settings. In addition, students are encouraged to seek real-world experience through volunteering and summer employment opportunities with fisheries professionals. This real-world experience in professional settings increases VCSU graduates' marketability when entering the workforce.

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VCSU faculty use established relationships with multiple state and Federal agencies to aid students in acquiring summer employment. In addition, faculty members often offer summer employment opportunities in aquatic research to current students.

Contact Information

Faculty Contacts

Dr. Casey Williams, casey.williams@vcsu.edu, (701) 845-7457

Campus Location

Rhoades Science Center 203, (701) 845-7452

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<http://visit.vcsu.edu/>, (701) 845-7101 or (800) 532-8641, ext. 7101

Career Opportunities

- Fisheries Biologist
- Natural Resources Technician
- Environmental Scientist
- Public Outreach Biologist

Plan of Study - Fisheries Concentration

First Year

Fall	Credits	Spring	Credits
BIOL 121	4	BIOL 122	4
BIOL 150	4	BIOL 151	4
CIS 170 (Gen Ed)	3	COMM 110 (Gen Ed)	3
ENGL 110 (Gen Ed)	3	ENGL 125 (Gen Ed)	3
UNIV 150	1		
	15		14

Second Year

Fall	Credits	Spring	Credits
BIOL 347	4	BIOL 170	4
BIOL 367	4	BIOL 412	4
CHEM 121 (Gen Ed)	5	CHEM 122	5
MATH 107 (Gen Ed)	3	Social Science (Gen Ed)	3
	16		16

Third Year

Fall	Credits	Spring	Credits
BIOL 311	4	BIOL 360	3
BIOL 375	4	BIOL 455	4
BIOL 470	4	CHEM 116 (Gen Ed)	4
Literacies (Gen Ed)	3	HPER 100 (Gen Ed)	2
		Social Science (Gen Ed)	3
	15		16

Fourth Year

Fall	Credits	Spring	Credits
Art and Music (Gen Ed)	3	Additional Humanities or Social Science (Gen Ed)	2
BIOL 410	4	BIOL 430	3
BIOL 491	2	BIOL 440	4
COMM 200	3	Directed Electives (BIOL)	3

	MATH 146	3
	12	15
Total Credits 119		

Wildlife Concentration



The Fisheries and Wildlife Sciences degree (B.S.) with a Wildlife Concentration prepares students for careers in natural resources with state and federal agencies, conservation organizations, environmental consulting, and graduate school.

Graduates are qualified for federal positions with agencies such as the U.S. Fish and Wildlife Service, U.S. Forest Service, National Park Service, Natural Resources Conservation Service, U.S. Geological Survey and others. State agencies that graduates commonly work for include the North Dakota Game and Fish Department, North Dakota Parks and Recreation, and the North Dakota Forest Service. Non-profit conservation organizations include Ducks Unlimited, Pheasants Forever, Delta Waterfowl, and The Nature Conservancy.

The degree also prepares you for higher academic degrees. On average 15% of our graduates go on to earn a Master's degree. Students majoring in the Wildlife focus meet the certification requirements of The Wildlife Society as an Associate Wildlife Biologist upon graduation.

Multiple field trips involving hands-on experience are taken in all wildlife courses. Faculty strongly encourage students to obtain summer work experience through summer internships. Internships provide students with great practical experience and make VCSU graduates more competitive in the job market. Each summer around 50 students have an internship in some area of natural resources.

VCSU faculty have a close working relationship with multiple state and Federal agencies, which enables students to get hands-on experience through field trips while also networking with professionals.

Contact Information

Faculty Contacts

Dr. Bob Anderson, bob.anderson@vcsu.edu, (701) 845-7338

Campus Location

Rhoades Science Center 203, (701) 845-7452

Schedule your visit today!

<http://visit.vcsu.edu/>, (701) 845-7101 or (800) 532-8641, ext. 7101

Career Opportunities

- Wildlife biologist or Technician
- Refuge Manager
- Environmental Consultant
- Habitat Biologist

- Public Outreach Biologist
- Rangeland Manager or Land Manager

Plan of Study - Wildlife Concentration

First Year

Fall	Credits	Spring	Credits
BIOL 121	4	BIOL 122	4
BIOL 150	4	BIOL 151	4
CIS 170 (Gen Ed)	3	COMM 110 (Gen Ed)	3
ENGL 110 (Gen Ed)	3	ENGL 125 (Gen Ed)	3
UNIV 150	1		
	15		14

Second Year

Fall	Credits	Spring	Credits
BIOL 311	4	BIOL 170	4
BIOL 355	4	BIOL 455	4
CHEM 121 (Gen Ed)	5	MATH 146	3
MATH 107 (Gen Ed)	3	Social Science (Gen Ed)	3
	16		14

Third Year

Fall	Credits	Spring	Credits
BIOL 375	4	BIOL 343	4
BIOL 336	4	BIOL 360	3
Elective	4	BIOL 440	4
Literacies (Gen Ed)	3	HPER 100 (Gen Ed)	2
		Social Science (Gen Ed)	3
	15		16

Fourth Year

Fall	Credits	Spring	Credits
BIOL 410	4	Additional Humanities or Social Science (Gen Ed)	2
BIOL 411	4	BIOL 312	4
BIOL 491	2	BIOL 430	3
COMM 200	3	CHEM 116 (Gen Ed)	4
		Art and Music (Gen Ed)	3
	13		16

Total Credits 119

Conservation Law Concentration



The Fisheries and Wildlife Sciences degree (B.S.) with a Conservation Law Enforcement Concentration prepares students for law enforcement careers related to natural resource protection with state and federal agencies.

The most commonly held position with this focus is that of a Game Warden or Conservation Officer.

Game Wardens are certified peace officers that dedicate their careers to enforcing laws related to natural resources. Game wardens may also be called conservation officers, game protectors, wildlife control agents, wildlife officers, and special agents.

The U.S. Fish and Wildlife Service has Federal Wardens that are called Special Agents or Wildlife Inspectors, and often Refuge Managers also carry out law enforcement duties. Wildlife inspectors are responsible for ensuring that all wildlife shipments coming in and out of the country comply with federal laws. Graduates are also qualified for positions as Park Rangers with agencies such as the North Dakota Parks and Recreation Department and the National Park Service. In addition, this focus should benefit you in any natural resource position where you have some enforcement duty as part of your job. Each agency has specific training requirements related to law enforcement. The Federal system will send employees through the Federal Law Enforcement Training Center. North Dakota Game and Fish Department will send newly hired Game Wardens through the ND Peace Officer Training Program.

Multiple field trips involving hands-on experience are taken in all wildlife and fisheries courses. Faculty strongly encourage students to obtain summer work experience through summer internships, and to do a ride-along with a ND Game Warden.

Contact Information

Faculty Contacts

Dr. Bob Anderson, bob.anderson@vcu.edu, (701) 845-7338

Dr. Casey Williams, casey.williams@vcu.edu, (701) 845-7457

Career Opportunities

- Game Warden
- Conservation Officer

- Park Ranger
- Wildlife Inspector

Plan of Study - Conservation Law Concentration

First Year

Fall	Credits	Spring	Credits
BIOL 121	4	BIOL 122	4
BIOL 150	4	BIOL 151	4
CIS 170 (Gen Ed)	3	COMM 110 (Gen Ed)	3
ENGL 110 (Gen Ed)	3	ENGL 125 (Gen Ed)	3
UNIV 150	1		
	15		14

Second Year

Fall	Credits	Spring	Credits
BIOL 355	4	BIOL 170	4
CHEM 121 (Gen Ed)	5	CJ 390	3
CJ 252	3	COMM 314	3
SOC 110 (Gen Ed)	3	HPER 100 (Gen Ed)	2
		MATH 107 (Gen Ed)	3
	15		15

Third Year

Fall	Credits	Spring	Credits
BIOL 375	4	BIOL 343	4
BIOL 367	4	BIOL 360	3
POLS 116	3	BIOL 455	4
POLS 376	3	PSYC 111 (Gen Ed)	3
	14		14

Fourth Year

Fall	Credits	Spring	Credits
BIOL 311	4	Additional Humanities or Social Science (Gen Ed)	2
BIOL 410	4	BIOL 430	3
BIOL 491	2	CHEM 116 (Gen Ed)	4
COMM 200	3	Elective	4
Literacies (Gen Ed)	3	Art and Music (Gen Ed)	3
	16		16

Total Credits 119

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

After a student completes the Fisheries and Wildlife Science Program, he or she should be able to:

1. Demonstrate a fundamental knowledge of the major concepts in Biology and Fisheries and Wildlife Science.
2. Exhibit critical thinking skills by applying the scientific method to solve problems.
3. Exhibit the ability to read and communicate in a scientific style.

4. Analyze the consequences of activities on themselves and his/her environment.
5. Be prepared for entry-level natural resource positions and/or graduate school.

Health Education

About this Composite Major

The Health Education major prepares students to work as health educators within public school systems, grades 5-12. Students will study nutrition, human sexuality, drug education, and contemporary health issues. The curriculum in health education seeks to enhance knowledge in health services, health in the environment, and health instruction in public schools. Students will also become comfortable and skilled with the use of technology and will be able to demonstrate its application in the educational setting. Throughout the curriculum, learners will work with master teachers who will prepare the student to effectively teach in today's health education classroom.

Meet a Student



I am forever indebted to VCSU and the educational experience I was provided. The student-based curriculum truly embraces each future teacher's potential. The Health and Physical Education (HPE) program consistently demonstrated enhancement, advancement and collective progression in an intimate way. The HPE program also provided a hands-on experience that fosters growth professionally, ethically and educationally. The demonstrations and educational practices of the HPE program provided elevating innovation. While at times the expectations were rigorous and overwhelming, those anxieties were comforted with professional experience, belief, and most importantly quality instruction. Choose a good college to become a good teacher. Choose VCSU to become a teacher who is a difference maker. - Darius Graves '19

Accreditations

- Council for the Accreditation of Educator Preparation (CAEP)

Get Involved in your Major



The VCSU SHAPE Club provides students in physical education and health education opportunities to discuss current topics in their respective professions and collaborate to provide community outreach programs. The VCSU SHAPE Club strives to build young Health and Physical Education professionals through experiences while attending conferences such as the ND SHAPE Conference, the MN SHAPE Conference, and the Pre-Professionals Workshop. By attending these conferences, our majors gain Health & PE content knowledge and skills, experience in presenting content to their peers, as well as collaboration with veteran Health and PE teachers and administrators from across the tri-state area. Also, on campus, students can join Kappa Delta Pi (KDP) or Student North Dakota United (SNDU), amount many other organizations.

Teacher Education Requirements

Students are typically admitted into Teacher Education during their sophomore year or beginning of their junior year of college. This program requires a minimum cumulative GPA of 2.75 or higher and successful completion of the Praxis I test. Additional criteria for Admission to Teacher Education can be found at the following website: www.onestop.vcsu.edu (<https://onestop.vcsu.edu/support/solutions/articles/10000052001-teacher-education/>).

Contact Information

Department Chair

Dr. Rachele Hunt, rachele.hunt@vcsu.edu, (701) 845-7260

Faculty Contact

Amber Thompson, amber.thompson.1@vcsu.edu, (701) 845-7582

Department Location

Gaukler Family Wellness Physical Education Center, 149, (701) 845-7580

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(701) 845-7101 or (800) 532-8641, ext. 7101

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

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ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	

Art and Music

Select one of the following: 3

ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 206	World Music	
MUS 207	History of Rock and Roll	

Social Science

Select 6 credits from the following: 6

COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
GEOG 151	Human Geography	
HIST 103	United States to 1877	
HIST 104	United States to Present	
HIST 211	World Civilizations to 1500	
HIST 212	World Civilizations since 1500	
HIST 267	Environmental History	
HIST 270	Native American Studies	
POLS 115	American National Government	
POLS 116	State and Local Government	
PSYC 111	Introduction to Psychology ¹	
SOC 110	Introduction to Sociology	
SOC 111	Introduction to Anthropology	

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design	
ART 130	Drawing I	
ART 150	Ceramics I	
ART 180	Photography I	
GEOG 111	Survey of Geography	
MUS 104	Group Piano for Non-Majors	
MUS 105	Group Piano for Non-Majors	
MUS 130	Valkyries	
MUS 131	Concert Choir	
MUS 140	Athletic Band	
MUS 141	Concert Band	
PHYS 275	Planetarium Science	
THEA 201	Theatre Practicum	

Total Credits 39

¹ Required

Major Requirements

Code	Title	Credits
Required Courses		
BIOL 220	Human Anatomy and Physiology I ¹	4

BIOL 221	Human Anatomy and Physiology II ¹	4
HPER 206	Fundamentals of Teaching Health and Physical Education	3
HPER 210	First Aid & CPR	1
HPER 212	Introduction to Stress Management	2
HPER 300	Drug Education and Information	3
HPER 308	Introduction to Nutrition	3
HPER 315	Communicable and Non-Communicable Diseases	3
HPER 380	Instructional Methods in Human Sexuality	3
HPER 390	Secondary Health Education Methods	3
HPER 400	Current Issues in Community Health	3

Directed Electives

Select three hours from the following: 3

BIOL 310	Microbiology	
BIOL 315	Genetics	
HPER 208	Introduction to Physical Education	
HPER 285	Introduction to Adapted Physical Education	
HPER 410	Organization and Administration of Physical Education and Sport	
MATH 321	Applied Probability and Statistics	
PSYC 370	Abnormal Psychology	
SOC 220	The Family	
SOC 251	Introduction to Gerontology	

Total Credits 35

¹ Students with a double major in Health and Physical Education may substitute HPER 258 Applied Anatomy, Physiology, and Human Performance or HPER 259 Applied Anatomy, Physiology, and Human Performance for BIOL 220 Human Anatomy and Physiology I or BIOL 221 Human Anatomy and Physiology II.

Total General Education 39 Hrs

Total Major Requirement 35 Hrs

Total Professional Education Sequence 32-33 Hrs

Total Credits Needed to Graduate 120 Hrs

Professional Education Sequence

Code	Title	Credits
Professional Education Sequence		
EDUC 240	Educating Exceptional Students	3
EDUC 250	Introduction to Education	3
EDUC 283	Understanding Cultural Diversity in Education	3
EDUC 300	Educational Technology	2
EDUC 351	Secondary Practicum and Classroom Management	1
EDUC 352	Culturally Diverse Practicum	1
or EDUC 464	Practicum in the ELL Classroom	
EDUC 375	Teaching Reading in the Content Areas	2
EDUC 400	Educational Psychology	2
EDUC 450	Trends in Assessment and Educational Issues	2
EDUC 480	Student Teaching (Secondary)	10
PSYC 250	Developmental Psychology	3
Total Credits		32

The same courses may not be used to fulfill requirements in two areas except when the student is graduating with a double major or more than one minor.

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year

Fall	Credits	Spring	Credits
English Composition (Gen Ed)	3	English Composition (Gen Ed)	3
HPER 210	1	HPER 212	2
Lab Science (Gen Ed)	4	MATH 104, 107, or 210 (Gen Ed)	3
Computer Science and Literacy (Gen Ed)	3	PSYC 111 (Gen Ed)	3
UNIV 150	1	Speech Communications (Gen Ed)	3
Wellness (Gen Ed)	2		
	14		14

Second Year

Fall	Credits	Spring	Credits
EDUC 250	3	Additional Humanities or Social Science (Gen Ed)	2
HPER 258	3	Art and Music (Gen Ed)	3
HPER 300	3	EDUC 240	3
Lab Science (Gen Ed)	4	HPER 206	3
Social Science (Gen Ed)	3	HPER 259	3
	16		14

Third Year

Fall	Credits	Spring	Credits
EDUC 283	3	Directed Elective	3
EDUC 352	1	EDUC 300	2
HPER 308	3	EDUC 351	1
Literacies (Gen Ed)	3	EDUC 375	2
		HPER 315	3
		HPER 380	3
		PSYC 250	3
	10		17

Fourth Year

Fall	Credits	Spring	Credits
EDUC 400	2	EDUC 480	10
HPER 390	3		
HPER 400	3		
EDUC 450	2		
	10		10

Total Credits 105

- Students will demonstrate the ability to incorporate biological and behavioral sciences into the Health Education curriculum.
- Students will evaluate the societal influences on personal and community health.
- Students will demonstrate proficiency in first aid, CPR, and AED.

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

- Students will demonstrate the ability to plan, implement, evaluate, and reflect age-appropriate health education content in the communication of written lesson plans.
- Students will demonstrate the ability to effectively manage and transition in the Health Education classroom.
- Students will demonstrate the ability to provide for reasonable accommodations for students with disabilities.

Health Science

About this Composite Major

The Health Science major is organized to prepare students to pursue professional programs by covering all the pre-requisite coursework for your professional program of choice. There is flexibility of pursuing education beyond the undergraduate level, such as medicine, dentistry, optometry, pharmacy, chiropractic, physical therapy, physician assistant, mortuary science. This major combines all of the courses students need to put them on the right track for a biomedical career or for entry level positions that require an understanding of the biomedical field and its practical application, such as jobs in laboratories, hospitals, the government, field offices, and small business and industry.

The program is thorough and rigorous. VCSU prepares students by educating with hands-on opportunities that are usually reserved for graduate students. Our students run the planetarium, conduct research, and gather samples. The department has a strong field and practical application emphasis, and classes involve field study in local areas.

Students also travel to regional and national scientific meetings to present on their current research. We pride ourselves in our small class sizes, which makes a superior learning environment for our students. All faculty in the program have earned their Ph.D.'s, and several have research grants and research labs which they run with the assistance of VCSU students.

Meet a Student

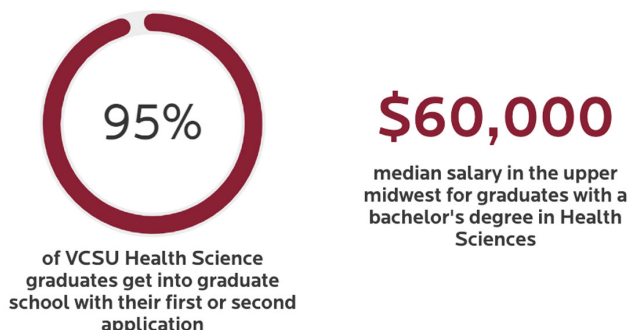


"The people I met in Valley were so kind to me and nice to me that I will remember and appreciate them forever. I hope I can now provide that same experience for my patients." - Dr. Jaycee George, VCSU alumni, chiropractor and owner of Willow Creek Chiropractic

VCSU's science faculty and staff prepared me for PA school by listening to me, answering my questions, teaching me, and being there for me whenever I needed them. I would sit in Dr. Hilde's office for venting/advice sessions and received words of encouragement from the science faculty that believed in me to get to where I am now. -McKenzie

Bruce, 2018 graduate, Master's of Science Physician Assistant professional school program

One Major, Multiple Career Opportunities



Start your customizable education and prepare for graduate or professional school. There are multiple paths that start with Health Sciences including:

- **Physician (Pre-Med):** The Health Science degree is tailored to help students get into the medical school of their choice. The degree includes all necessary pre-requisite courses. The advisor and fellow students in the Pre-Professional Club provide support in gaining work experience, observation hours, leadership skills and other necessary elements for admission.
- **Physical and Occupational Therapist:** The Health Science degree covers all pre-requisite courses needed for admission to Physical and Occupational Therapy School. Health Science graduates have a 100% admission rate into Physical and Occupational Therapy programs.
- **Chiropractor:** There are many practicing chiropractors in North Dakota with undergraduate Health Science degrees from VCSU. The Health Science degree is tailored to help students get into the chiropractic program of their choice.
- **Dentist or Orthodontist:** The Health Science degree is tailored to help students get into the dental of their choice. The small class sizes and ability to take various arts courses like ceramics ensures future success in dental careers.
- **Pharmacist:** The Health Science degree can be tailored to include various chemistry, math, and sciences to help students get into the pharmaceutical program of their choice.
- **Optometrist or Optician:** Getting a Health Science degree can ensure students have the required courses and optimal experiences to get into the optometry program of their choice.
- **Veterinarian Science:** The Health Science program ensures the required prerequisites are met and partnerships with local vet clinics ensure students have the ability to gain valuable hands-on experiences before graduation.

Get Involved in your Major



The Pre-Professional Club is for students interested in continuing their education in the medical field (including nursing), law, accounting, and graduate school. This club provides support for students going through the application process and provides opportunities to practice aptitude tests such as the GRE, mCAT, LSAT, and DAT. Volunteer work, job shadowing, and educational and leadership opportunities are also part of the club's activities. The goal is for students to support each other, learn from other students' experiences, thus making your applications stronger, and increasing your chance for successful admission into your program of choice.

Practical Experience



The Rhoades Science Center includes a greenhouse for work in biology and botany, a planetarium and laboratories for biology, chemistry, earth science, physics, and computer science. You will have access to Cell Culture and Synthetic Biology instrumentation and fully equipped Biomedical Research and Aquatic Macroinvertebrate labs. This major provides opportunities that are not part of any regular programs that exist on and off campus that provide sound practical experience, such as student assistants, participation in the campus-tutoring programs, field studies, research technicians, and biological travel tours. Internships and job

shadowing at numerous facilities are available to students to develop and apply their skills.

Contact Information

Department Chair

Dr. Nicholas Galt, nicholas.galt@vcsu.edu, (701) 845-7459

Faculty Contact

Dr. Hilde van Gijssel, hilde.vangijssel@vcsu.edu, (701) 845-7337

Department Location

Rhoades Science Center 203, (701) 845-7452

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General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
or ENGL 12!	Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
or ENGL 12!	Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I ¹	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I ¹	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	
Art and Music		
Select one of the following:		3
ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 206	World Music	
MUS 207	History of Rock and Roll	
Social Science		
Select 6 credits from the following:		6
COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
GEOG 151	Human Geography	
HIST 103	United States to 1877	
HIST 104	United States to Present	
HIST 211	World Civilizations to 1500	
HIST 212	World Civilizations since 1500	
HIST 267	Environmental History	
HIST 270	Native American Studies	
POLS 115	American National Government	
POLS 116	State and Local Government	
PSYC 111	Introduction to Psychology	
SOC 110	Introduction to Sociology	
SOC 111	Introduction to Anthropology	
Additional Humanities or Social Science		
Select one additional course from Humanities or Social Science or select from the following:		2
ART 122	Two-Dimensional Design	
ART 130	Drawing I	
ART 150	Ceramics I	
ART 180	Photography I	
GEOG 111	Survey of Geography	
MUS 104	Group Piano for Non-Majors	
MUS 105	Group Piano for Non-Majors	
MUS 130	Valkyries	
MUS 131	Concert Choir	
MUS 140	Athletic Band	
MUS 141	Concert Band	
PHYS 275	Planetarium Science	
THEA 201	Theatre Practicum	
Total Credits		39

¹ Required

Major Requirements

Code	Title	Credits
Required Courses		
BIOL 151	General Biology II	4

BIOL 220	Human Anatomy and Physiology I	4
BIOL 221	Human Anatomy and Physiology II	4
BIOL 310	Microbiology	4
BIOL 340	Research Methods	4
BIOL 491	Integrated Science Capstone	2
or CHEM 491	Integrated Science Capstone	
CHEM 122	General Chemistry II	5
Directed Electives		
Students future career choice determines the electives to be taken.		27
BIOL 171	Medical Terminology	
BIOL 311	Botany	
BIOL 315	Genetics	
BIOL 355	Mammalogy	
BIOL 440	Biostatistics and Experimental Design	
or PSYC 330	Understanding Statistics	
BIOL 441	Cell Biology	
BIOL 497	Internship ¹	
CHEM 330	Quantitative Analysis I	
CHEM 341	Organic Chemistry I	
CHEM 342	Organic Chemistry II	
CHEM 360	Elements of Biochemistry	
CHEM 411	Physical Chemistry I	
ENGL 410	Technical and Scientific Writing	
MATH 146	Applied Calculus I	
MATH 165	Calculus I	
MATH 166	Calculus II	
MATH 321	Applied Probability and Statistics	
PHYS 211	College Physics I	
or PHYS 251	University Physics I	
PHYS 212	College Physics II	
or PHYS 252	University Physics II	
PSYC 250	Developmental Psychology	
PSYC 370	Abnormal Psychology	
Total Credits		54

¹ 3-4 credits

Total General Education 39 Hrs

Total Major Requirement 54 Hrs

Total Credits Needed to Graduate 120 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year

Fall	Credits	Spring	Credits
BIOL 150 (Gen Ed)	4	BIOL 151	4
CHEM 121 (Gen Ed)	5	CHEM 122	5
CIS 170 (Gen Ed)	3	ENGL 125 (Gen Ed)	3
ENGL 110 (Gen Ed)	3	PSYC 111 (Gen Ed)	3
UNIV 150	1		
16		15	

Second Year

Fall	Credits	Spring	Credits
Additional Humanities or Social Science (Gen Ed)	2	BIOL 221	4
BIOL 220	4	BIOL 310	4
SOC 110	3	HPER 100 (Gen Ed)	2

MATH 107 (Gen Ed)	3	MATH 165 (or Health Science Elective)	4
Speech Communication (Gen Ed)	3		

15

14

Third Year

Fall	Credits	Spring	Credits
BIOL 340	4	Art and Music (Gen Ed)	3
Health Science Elective	4	Elective	3
Health Science Elective	4	Health Science Elective	4
Literacies (Gen Ed)	3	Health Science Elective	4
15		14	

Fourth Year

Fall	Credits	Spring	Credits
BIOL 491	2	Health Science Elective	4
Elective	3	Elective	4
Elective	3	Elective	4
Health Science Elective	4	Elective	4
Social Science (Gen Ed)	3	Elective	2
15		18	

Total Credits 122

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

Upon completion of the Health Science Program the students should be able to

1. Demonstrate a fundamental knowledge of the major concepts in chemistry and biology.
2. Exhibit critical thinking skills by applying the scientific method to solve problems.
3. Exhibit the ability to read and communicate in scientific style.
4. Analyze the consequences of activities on themselves and their environment.
5. Apply and gain admission to professional or graduate school.

History

About this Major

Studying history at VCSU is both enriching and challenging. Our History curriculum offers broad experience in U.S., European, World history, as well as opportunities to study the history of ethnic and social groups and specialized courses such as Environmental history. The study of history sharpens a student's own sense of values, provides a context for present decision-making, and cultivates a more compassionate attitude toward peoples whose way of life may be different from yours. Theory and techniques are also important elements to the degree.

Career Opportunities



History is a non-teaching degree designed to place the history student in a variety of careers including:

- Law
- Government service
- Archivist
- Consultant
- Foreign services officer
- Intelligence agent
- Researcher

This major also prepares students for advanced and specialized graduate study. Faculty will work with students to plan a course of study that meets their needs and interests.

As a History major, students will learn many skills employers seek including:

- Analyzing data
- Logic
- Critical thinking
- Researching
- Precise writing.

To assist students, we encourage them to seek an internship to utilize the skills acquired in the classroom. The Barnes County Historical Museum gives students opportunities for practical, hands-on experience, archives for research, and community involvement. Both behavioral science and business internships are available for students who lack

previous employment experience. Our program will offer you a variety of non-traditional learning opportunities.

Explore More History Careers

- www.ssrc.org/ (<http://www.ssrc.org/>)
- [www.careers.state.gov](https://careers.state.gov/) (<https://careers.state.gov/>)
- www.historians.org (<http://www.historians.org/>)
- www.archivists.org (<http://www.archivists.org/>)

Meet a Student



"My time at VCSU was filled with a lot of exciting experiences. I was able to explore my passion in history by being given an opportunity to present a paper on Native American Education. I also was able to participate in several clubs, one being History Club/Phi Alpha Theta. Valley City gave me multiple opportunities to pursue my passion to become a teacher. VCSU did not only help me grow in my education, I was also able to grow as a person."
- Kylie Johnson '20, West Fargo, ND

Get Involved in your Major



VCSU has an active Phi Alpha Theta/History Club, allowing students to develop leadership skills and promote history

across campus. Students have opportunities to present their research at the Dakota History Conference and the Northern Great Plains History Conference, in regional, professional history settings. The Social Science Department also periodically organizes overseas travel opportunities for VCSU students.

Contact Information

Department Chair

Dr. Emily Fenster, emily.fenster@vcsu.edu, (701) 845-7313

Faculty Contact

Dr. Steven King, steven.king@vcsu.edu, (701) 845-7108

Department Location

McFarland Hall 315, (701) 845-7301

Schedule your visit today!

<http://visit.vcsu.edu/>, (701) 845-7101 or (800) 532-8641, ext. 7101

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
or ENGL 121 Introduction to Professional Writing		
or		
ENGL 120	College Composition II	
or ENGL 121 Introduction to Professional Writing		
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

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ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	

Art and Music

Select one of the following: 3

ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 206	World Music	
MUS 207	History of Rock and Roll	

Social Science

Select 6 credits from the following: 6

COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
GEOG 151	Human Geography	
HIST 103	United States to 1877	
HIST 104	United States to Present	
HIST 211	World Civilizations to 1500	
HIST 212	World Civilizations since 1500	
HIST 267	Environmental History	
HIST 270	Native American Studies	
POLS 115	American National Government	
POLS 116	State and Local Government	
PSYC 111	Introduction to Psychology	
SOC 110	Introduction to Sociology	
SOC 111	Introduction to Anthropology	

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design	
ART 130	Drawing I	
ART 150	Ceramics I	
ART 180	Photography I	
GEOG 111	Survey of Geography	
MUS 104	Group Piano for Non-Majors	
MUS 105	Group Piano for Non-Majors	
MUS 130	Valkyries	
MUS 131	Concert Choir	
MUS 140	Athletic Band	
MUS 141	Concert Band	
PHYS 275	Planetarium Science	
THEA 201	Theatre Practicum	

Total Credits 39

Major Requirements

Code	Title	Credits
Required Courses		
HIST 103	United States to 1877	3
HIST 104	United States to Present	3
HIST 211	World Civilizations to 1500	3

HIST 212	World Civilizations since 1500	3
HIST 220	North Dakota History	3
HIST 400	Historiography	3
HIST 470	Topics in Non-Western History	3
HIST 491	Senior Capstone	1

Additional 3 credit course with HIST prefix numbered 300 or above. 3

Directed Electives

3 credits must be taken from 300 level or above

The Americas

Select two of the following: 6

HIST 267	Environmental History	
HIST 270	Native American Studies	
HIST 300	Race, Ethnic, and Gender Relations	
HIST 320	History of American West	
HIST 330	History of the Civil War Era (1850-1877)	
HIST 375	U.S. Constitution: Federalism	
HIST 376	U.S. Constitution: Civil Liberties	
HIST 380	The American Presidency	

The World

Select one of the following: 3

HIST 321	History of Ancient Greece and Rome	
HIST 325	History and Geography of England and Britain	
HIST 454	Renaissance/Reformation	
HIST 458	The World Wars: 1914-1945	
HIST 460	The Atlantic World	

Social Science

Select nine credits in the following prefixes: ECON, GEOG, POLS, 9
PSYC, SOC (six credits at 300-level or above)

Total Credits 43

Total General Education 39 Hrs

Total Major Requirement 43 Hrs

Total Credits Needed to Graduate 120 Hrs

Note: This major requires a minor

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year

Fall	Credits	Spring	Credits
CIS 170 (Gen Ed)	3	Cultural Block, Related Field/ Minor	3
COMM 212 (Gen Ed)	3	ENGL 120 (Gen Ed)	3
ENGL 110 (Gen Ed)	3	HIST 267 (Gen Ed)	3
GEOG 111 (Gen Ed)	3	HPER 100 (Gen Ed)	2
MATH 210 (Gen Ed)	3	Lab Science (Gen Ed)	4
UNIV 150	1		
	16		15

Second Year

Fall	Credits	Spring	Credits
Cultural Block, Related Field/ Minor	3	Cultural Block, Related Field/ Minor	3
HIST 103	3	HIST 104	3
Lab Science (Gen Ed)	4	HIST 320	3
Literacies (Gen Ed)	3	HIST 330	3
PSYC 111 (Gen Ed)	3	PSYC 250	3
	16		15

Third Year

Fall	Credits	Spring	Credits
Art and Music (Gen Ed)	3	Cultural Block, Related Field/ Minor	3
Cultural Block, Related Field/ Minor	3	Cultural Block, Related Field/ Minor	3
Cultural Block, Related Field/ Minor	3	GEOG 362	3
HIST 211	3	HIST 212	3
HIST 454	3	HIST 220	3
	15		15

Fourth Year

Fall	Credits	Spring	Credits
Cultural Block, Related Field/ Minor	3	Cultural Block, Related Field/ Minor	3
HIST 270	3	Cultural Block, Related Field/ Minor	3
HIST 400	3	Cultural Block, Related Field/ Minor	3
HIST 470	3	HIST 491	1
		HIST 497	3
		SOC 300	3
	12		16

Total Credits 120

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. Content: Students will accumulate knowledge and understanding of the necessary material to establish historical context and causality. Content will be demonstrated by thesis driven, evidence based responses to historical scenarios.
2. Social theory: Students will develop an understanding of the philosophies, methodologies, and theories that define, give meaning to, and shape scholarly understanding of the social sciences. Social theory will be demonstrated through thesis driven research that applies relevant theories or methodologies to historical writing.
3. Application: Students will demonstrate their content knowledge and understanding of social theory and use them in a manner that illustrates that they can apply it in real world experiences.

History Education

About this Composite Major



This degree is primarily designed for public school teaching positions. Fortunately, it opens up opportunities for various related careers in which content knowledge and pedagogy are useful. The history curriculum encompasses a wide range of areas: European, American, world, non-Western and special topics such as environmental and social history. The History Education degree is foundational for those who might want to go on to graduate school or advance to other positions in related fields such as government, travel, business, research, media or publishing. The Barnes County Historical Museum gives students the opportunities for practical, hands-on experience, archives for research, and community involvement. We work with each student to create a program of study that prepares him or her for a career as well as meeting personal study interests. Job opportunities in education are currently very strong, and most of our graduates readily find teaching positions.

As a History Education major you are placed into schools for a series of field experiences including Introduction to Education (40 hours); Practicum (80 hours); Culturally Diverse Practicum (25 hours involving 3 consecutive full days in a classroom), and a 12-week student teaching field experience completed in a location that works well for the student and university. Student teaching is the culminating experience of the program and the opportunity for students to apply all they have learned regarding their classroom preparation and field experience opportunities.

Meet a Student

"The online History Education program at VCSU is excellent. My advisor supported me throughout my time in the program, and the professors that I took classes with were very helpful and always available when needed. My time in the History Education program has been a positive experience. I received a high-quality education that pushed me to grow academically, as well as prepared me to go into the classroom successfully." - Christine Fandrich '21

Explore History Online



- www.historians.org (<http://www.historians.org/>)
- www.archivists.org (<http://www.archivists.org/>)

Get Involved in your Major



VCSU has an active Phi Alpha Theta/History Club, allowing students to develop leadership skills and promote history across campus. Students have opportunities to present their research at the Dakota History Conference and the Northern Great Plains History Conference, in regional, professional history settings. The Social Science Department also periodically organizes overseas travel opportunities for VCSU students.

Accreditations

- Council for the Accreditation of Educator Preparation (CAEP)

Teacher Education Requirements

Students are typically admitted into Teacher Education during their sophomore year or beginning of their junior year of college. This program requires a minimum cumulative GPA of 2.75 or higher and successful completion of the Praxis I test. Additional criteria for Admission to Teacher Education can be found at the following website:

www.onestop.vcsu.edu (<https://onestop.vcsu.edu/support/solutions/articles/10000052001-teacher-education/>).

Contact Information

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General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
or ENGL 121	Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
or ENGL 121	Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

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ENGL 261	American Literature I
ENGL 262	American Literature II
HUM 201	Civilization, Thought, and Literary Heritage
PSYC 200	Ethics and Philosophy of Science
SPAN 101	1st Year Spanish I
SPAN 102	1st Year Spanish II
SPAN 201	2nd Year Spanish I
SPAN 202	2nd Year Spanish II
THEA 110	Introduction to Theatre Arts

Art and Music

Select one of the following: 3

ART 110	Introduction to the Visual Arts
ART 115	Introduction to Digital Media
ART 210	Art History I
ART 211	Art History II
ART 233	History of Craft
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 206	World Music
MUS 207	History of Rock and Roll

Social Science

Select 6 credits from the following: 6

COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

Major Requirements

Code	Title	Credits
Required Courses		
HIST 103	United States to 1877	3
HIST 104	United States to Present	3
HIST 211	World Civilizations to 1500	3
HIST 212	World Civilizations since 1500	3

HIST 220	North Dakota History	3
HIST 400	Historiography	3
HIST 470	Topics in Non-Western History	3
HIST 490	Methods of Teaching Social Science	3
HIST 491	Senior Capstone	1

Cognate

Select one of the following Cognates: 12

Economics Cognate		
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
ECON 345	International Political Economy	
ECON 460	The Atlantic World	
Geography Cognate		
GEOG 100	Introduction to Earth Science	
GEOG 111	Survey of Geography	
GEOG 151	Human Geography ¹	
GEOG 300	Environmental Earth Science	
GEOG 320	Applied Geography Workshop	
GEOG 325	History and Geography of England and Britain	
GEOG 362	Geography of North America	
GEOG 394	Independent Study	
GEOG 399	Special Topics	
GEOG 460	The Atlantic World	
GEOG 492	Field Experience in Geography	
Political Science Cognate		
POLS 115	American National Government ¹	
POLS 116	State and Local Government ¹	
POLS 340	Research Methods	
POLS 375	U.S. Constitution: Federalism	
POLS 376	U.S. Constitution: Civil Liberties	
POLS 330	Understanding Statistics	
POLS 345	International Political Economy	
POLS 380	The American Presidency	
POLS 420	Comparative Politics	
POLS 425	International Relations	
Sociology Cognate		
SOC 110	Introduction to Sociology ¹	
SOC 111	Introduction to Anthropology ²	
SOC 220	The Family	
SOC 300	Race, Ethnic, and Gender Relations	
SOC 330	Understanding Statistics	
SOC 340	Research Methods	
SOC 390	Criminology and Delinquency	
SOC 422	Social Science Theory	

Directed Electives

The Americas

Select six hours from the following: 6

HIST 267	Environmental History
HIST 270	Native American Studies
HIST 300	Race, Ethnic, and Gender Relations
HIST 320	History of American West
HIST 330	History of the Civil War Era (1850-1877)
HIST 375	U.S. Constitution: Federalism
HIST 376	U.S. Constitution: Civil Liberties
HIST 380	The American Presidency

The World

Select three hours from the following: 3

HIST 321	History of Ancient Greece and Rome
HIST 325	History and Geography of England and Britain
HIST 454	Renaissance/Reformation
HIST 458	The World Wars: 1914-1945
HIST 460	The Atlantic World

Total Credits 46

- ¹ Required Course
² Required for Minnesota certification

Total General Education 39 Hrs
Total Major Requirement 46 Hrs
Total Professional Education Sequence 32-33 Hrs
Total Credits Needed to Graduate 120 Hrs

Professional Education Sequence

Code	Title	Credits
Professional Education Sequence		
EDUC 240	Educating Exceptional Students	3
EDUC 250	Introduction to Education	3
EDUC 283	Understanding Cultural Diversity in Education	3
EDUC 300	Educational Technology	2
EDUC 351	Secondary Practicum and Classroom Management	1
EDUC 352	Culturally Diverse Practicum	1
or EDUC 464	Practicum in the ELL Classroom	
EDUC 375	Teaching Reading in the Content Areas	2
EDUC 400	Educational Psychology	2
EDUC 450	Trends in Assessment and Educational Issues	2
EDUC 480	Student Teaching (Secondary)	10
PSYC 250	Developmental Psychology	3
Total Credits		32

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year

Fall	Credits	Spring	Credits
ENGL 110 (Gen Ed)	3	ENGL 120 (Gen Ed)	3
CIS 170 (Gen Ed)	3	GEOG 151	3
COMM 212 (Gen Ed)	3	HPER 100 (Gen Ed)	2
GEOG 111 (Gen Ed)	3	HIST 267 (Gen Ed)	3
MATH 210 (Gen Ed)	3	Lab Science (Gen Ed)	4
UNIV 150	1		
16		15	

Second Year

Fall	Credits	Spring	Credits
EDUC 250	3	EDUC 283	3
HIST 103	3	HIST 104	3
Lab Science (Gen Ed)	4	HIST 320	3
Literacies (Gen Ed)	3	HIST 330	3
PSYC 111 (Gen Ed)	3	PSYC 250	3
16		15	

Third Year

Fall	Credits	Spring	Credits
Art and Music (Gen Ed)	3	EDUC 240	3
EDUC 300	2	GEOG 325	3
EDUC 352	1	GEOG 362	3
HIST 211	3	GEOG 460	3
HIST 454	3	HIST 212	3
HIST 470	3	HIST 220	3
15		18	

Fourth Year

Fall	Credits	Spring	Credits
EDUC 351	1	EDUC 480	10
EDUC 375	2	HIST 491	1
HIST 270	3		
HIST 321	3		
HIST 400	3		
HIST 490	3		
EDUC 400	2		
17		11	

Total Credits 123

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. Content: Students will accumulate knowledge and understanding of the necessary material to establish historical context and causality. Content will be demonstrated by thesis driven, evidence based responses to historical scenarios.
2. Social theory: Students will develop an understanding of the philosophies, methodologies, and theories that define, give meaning to, and shape scholarly understanding of the social sciences. Social theory will be demonstrated through thesis driven research that applies relevant theories or methodologies to historical writing.
3. Application: Students will demonstrate their content knowledge and understanding of social theory and use them in a manner that illustrates that they can apply it in real world experiences.

Human Services - Child and Family Studies Concentration

About this Composite Major



The Human Services major prepares you to meet the growing demand for human service workers, whose occupations encompass a broad range of helping professions. The program combines courses from the disciplines of communications, sociology, and psychology to provide an overall understanding of the field. The curriculum is designed to provide a comprehensive understanding of human behavior and to develop the skills necessary to function as a human services professional.

The Child and Family Studies concentration in the Human Services major prepares graduates who strive to work with a wide range of client populations in a variety of settings. The curriculum provides flexibility through a broader range of multidisciplinary course options, including education, communication, psychology, sociology, management, economics, and health and physical education. After completing a core set of classes, students work with their advisor to tailor elective courses to meet their personal professional objectives.

Meet a Student

"I have gained many skills throughout my college career including empathy, interpersonal communication, problem solving, and analytical thinking. The biggest part of my job is interviewing clients. In order for clients to open up about scary subjects they need to feel comfortable with me. These skills have improved my interviewing, report writing, and objective analysis of family dynamics." - Sheri Rosenau, class of 2018

"My internship was one of the best experiences I have ever had. I learned what the Activities section does and how they work with their co-workers. My supervisor allowed me to do some of the activities by myself and I found myself really enjoying the job. This internship confirmed to me again that I was headed in the right direction." - Elizabeth Boettger, class of 2018

Career Opportunities



Students pursuing the Child and Family Studies concentration of the Human Services major prepare themselves for a range of careers focused on the needs of children and/or families in both for-profit and non-profit sectors. The rewarding careers include, but are not limited to:

- K-12 paraprofessional
- Preschool and daycare center management
- After-school program direction
- Work in healthcare and social services agencies

As in the general Human Services concentration, graduates also may pursue careers, including:

- Youth worker
- Social services liaison
- Director of residential facilities
- Family support worker
- Residential counselor
- Life skills instructor
- Client advocate
- Case manager
- Intake interviewer
- Community organizer
- Home health aide
- Social work (with completion of a master's degree in social work)

Explore Human Services

National Organization for Human Services (<https://www.nationalhumanservices.org/>)

North Dakota Department of Human Services – Children & Family Services (<http://www.nd.gov/dhs/services/childfamily/>)

United States Administration for Children & Families (<https://www.acf.hhs.gov/>)

Bureau of Labor Statistics – Community and Social Service Occupations (<https://www.bls.gov/ooh/community-and-social-service/home.htm>)

Practical Experience

Completion of an internship is required. Majors who have a cumulative GPA of 2.50 are eligible to apply for semester-long internships, for which students earn 3-12 credit hours. The internship provides supervised training in various regional agencies and service organizations. Students have completed their internships in various places, such as Head Start, K-12 public schools, Sheyenne Care Center and other long-term care facilities, and Barnes County Social Services.

Contact Information

Department Chair & Faculty Contact

Dr. Emily Fenster, emily.fenster@vcsu.edu, (701) 845-7313

Department Location

McFarland Hall 315, (701) 845-7301

Schedule your visit today!

<http://visit.vcsu.edu/>

(701) 845-7101 or (800) 532-8641, ext. 7101

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	

BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	
ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	
Art and Music		
Select one of the following:		3
ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 206	World Music	
MUS 207	History of Rock and Roll	
Social Science		
Select 6 credits from the following:		6
COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
GEOG 151	Human Geography	
HIST 103	United States to 1877	
HIST 104	United States to Present	

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HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology ¹
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

¹ Required

Major Requirements

Code	Title	Credits
Required Courses		
COMM 311	Communication and Interviewing	3
COMM 483	Organizational Communication	3
or MGMT 372	Foundations of Leadership	
or MGMT 430	Organizational Behavior	
MGMT 330	Principles of Management	3
PSYC 250	Developmental Psychology	3
PSYC 310	Behavior Modification	3
PSYC 360	Group Dynamics	3
PSYC 470	Counseling Theory and Practice	3
SOC 110	Introduction to Sociology ¹	3
SOC 130	Introduction to Human Services	3
SOC 220	The Family	3
or SOC 270	Native American Studies	
or SOC 300	Race, Ethnic, and Gender Relations	
SOC 320	Case Management	3
SOC 330	Understanding Statistics	3
SOC 340	Research Methods	3
SOC 422	Social Science Theory	3
SOC 491	Capstone	1
SOC 497	Internship	3-12
Total Credits		46-55

Child and Family Studies Concentration

Code	Title	Credits
Required Courses		
COMM 314	Public Relations	3
or MRKT 305	Principles of Marketing	
EDUC 210	Creative Activities	2
HPER 210	First Aid & CPR	1
PSYC 370	Abnormal Psychology	3

Specified Elective

Select one of the following (in addition to the other applied in the 3 General Human Services program)

SOC 220	The Family
or SOC 270	Native American Studies
or SOC 300	Race, Ethnic, and Gender Relations

Electives

Select nine hours from the following: 9

COMM 216	Intercultural Communication
or MGMT 235	Diversity in the Workplace
EDUC 240	Educating Exceptional Students
EDUC 313	Language and Literacy in Early Childhood Education
HPER 400	Current Issues in Community Health
MGMT 270	Business Ethics
PSYC 380	Human Sexuality
PSYC 450	Personality Theories
SOC 354	Health, Illness, and Disability
SOC 441	Death and Dying
SPED 340	Learning Disabilities, Emotional Disorders, and Intellectual Disabilities

Total Credits 21

Total General Education 39 Hrs

Total Major Requirement 43-52 Hrs

Total Concentration Requirement 21 Hrs

Total Credits Needed to Graduate 120 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year

Fall	Credits	Spring	Credits
English Composition (Gen Ed)	3	Art and Music (Gen Ed)	3
MATH 210 (Gen Ed)	3	English Composition (Gen Ed)	3
SOC 110	3	Lab Science (Gen Ed)	4
Speech Communication (Gen Ed)	3	PSYC 111 (Gen Ed)	3
Computer Science and Literacy (Gen Ed)	3	Wellness (Gen Ed)	2
UNIV 150	1		
16		15	

Second Year

Fall	Credits	Spring	Credits
Additional Humanities or Social Science (Gen Ed)	2	MRKT 305 or COMM 314	3
Lab Science (Gen Ed)	4	SOC 130	3
Literacies (Gen Ed)	3	SOC 220	3
Social Science (Gen Ed)	3	PSYC 250	3
EDUC 210	2		
14		12	

Third Year

Fall	Credits	Spring	Credits
Additional Elective	3	Additional Elective (if only taking 3 credit internship)	3
MGMT 330	3	COMM 483	3
PSYC 370	3	SOC 340	3
SOC 300	3	SOC 441	3

SOC 330	3	SOC 497	3
	15		15
Fourth Year			
Fall	Credits Spring		Credits
Additional Elective	3	Additional Elective	3
COMM 311	3	Additional Elective	3
PSYC 360	3	HPER 210	1
SOC 422	3	PSYC 310	3
SOC 491	1	PSYC 470	3
	13		13
Total Credits 113			

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. **Knowledge of Society & the Field:** Students will develop an understanding of the interaction between individual and societal forces; why knowledge of social and historical context, norms, institutions, and inequalities are important to the field of human services; and their role as emerging professionals in the evolving human services field.
2. **Confidence in Assessment, Critical Evaluation, & Theory:** Human services students will apply theories, evaluate studies, and conduct research in course projects tailored to give practical experience that connects to a broad range of professional opportunities.
3. **Application of Knowledge, Skills, & Values in Applied Settings:** Students will complete internships and coursework that integrate their academic knowledge, skills and values as emerging professionals within real world, applied settings.

Human Services - Criminal Justice Concentration

About this Composite Major

The Human Services major prepares you to meet the growing demand for human service workers, whose occupations encompass a broad range of helping professions. The program combines courses from the disciplines of communications, sociology, and psychology to provide an overall understanding of the field. The curriculum is designed to provide a comprehensive understanding of human behavior and to develop the skills necessary to function as a human services professional.

The Criminal Justice concentration in the Human Services major prepares graduates to find gainful employment in a variety of state and federal law enforcement fields. The multidisciplinary major combines courses from various disciplines to provide an understanding of human behavior and the political, organizational, social, and behavior aspects of its various components. The Criminal Justice concentration focuses on the sources of criminal behaviors, including perspectives and contributions from criminal justice, political science, psychology, and sociology. The curriculum is designed to develop critical thinking, analytical and research skills to enable students to identify and assess the often-conflicting objectives of criminal justice and investigate basic issues and practical problems in criminology and the administration of criminal justice.

Meet a Student



"VCSU's Human Services program has prepared me for the workforce with the many valuable classes and opportunities to grow my knowledge about the spheres that make up the Human Services field. What helps make the program so effective is the connection you are able to make with the professors and the connection

shared between the university and the surrounding community. I know that wherever my future may take me, the connections made within the program have assisted me with my professional growth and prepared me for what lays ahead." - Jacob Frey, class of 2018

"I have gained many skills throughout my college career including empathy, interpersonal communication, problem solving, and analytical thinking. The biggest part of my job is interviewing clients. In order for clients to open up about scary subjects they need to feel comfortable with me. These skills have improved my interviewing, report writing, and objective analysis of family dynamics." - Sheri Rosenau, class of 2018

Career Opportunities



Recent graduates have found employment as:

- Probation officers
- Parole officers
- Case managers
- Directors of residential facilities
- Personnel specialists at local agencies such as James River Correctional Center, Barnes County Juvenile Court, N.D. State Hospital, and Barnes County Sheriff's Department.

Other career opportunities include:

- Youth worker
- Social services liaison
- Family support worker
- Residential counselor
- Life skills instructor
- Group activities aide
- Neighborhood worker
- Client advocate
- Intake interviewer
- Community organizer
- Home health aide
- Social work assistant
- Social work (with completion of a master's degree in social work)

Explore Human Services

- National Organization for Human Services (<https://www.nationalhumanservices.org/>)
- North Dakota Department of Corrections and Rehabilitation (<https://www.docr.nd.gov/>)
- National Criminal Justice Association (<https://www.ncja.org/>)
- Bureau of Labor Statistics – Community and Social Service Occupations (<https://www.bls.gov/ooh/community-and-social-service/home.htm>)

Practical Experience

Completion of an internship is required. Majors who have a cumulative GPA of 2.50 are eligible to apply for semester-long internships, for which students earn 3-12 credit hours. The internship provides supervised training in various regional agencies and service organizations. Students have completed their internships in various places, including Barnes County Juvenile Court, ND State Highway Patrol, James River Correctional Center, and the Barnes County Sheriff's Department.

Contact Information

Department Chair & Faculty Contact

Dr. Emily Fenster, emily.fenster@vcsu.edu, (701) 845-7313

Department Location

McFarland Hall 315, (701) 845-7301

Schedule your visit today!

<http://visit.vcsu.edu/>

(701) 845-7101 or (800) 532-8641, ext. 7101

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8

BIOL 111	Concepts of Biology
BIOL 150	General Biology I
BIOL 151	General Biology II
BIOL 170	General Zoology
CHEM 115	Introductory Chemistry
CHEM 116	Introduction to Organic and Biochemistry
CHEM 121	General Chemistry I
CHEM 122	General Chemistry II
GEOL 100	Introduction to Earth Science
GEOL 106	The Earth Through Time
PHYS 100	Concepts of Physics
PHYS 110	Introductory Astronomy
PHYS 211	College Physics I
PHYS 212	College Physics II
PHYS 251	University Physics I
PHYS 252	University Physics II
PSYC 240	Cognition and Brain Science
TECH 161	Technology, Engineering, and Design

Wellness

Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	

Computer Science and Literacy

Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	

Humanities

Literacies

Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	
ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	

Art and Music

Select one of the following:		3
ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 206	World Music	
MUS 207	History of Rock and Roll	

Social Science

Select 6 credits from the following:		6
COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	

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GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology ¹
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2 or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits **39**

¹ Required

Major Requirements

Code	Title	Credits
Required Courses		
COMM 311	Communication and Interviewing	3
COMM 483	Organizational Communication	3
or MGMT 372	Foundations of Leadership	
or MGMT 430	Organizational Behavior	
MGMT 330	Principles of Management	3
PSYC 250	Developmental Psychology	3
PSYC 310	Behavior Modification	3
PSYC 360	Group Dynamics	3
PSYC 470	Counseling Theory and Practice	3
SOC 110	Introduction to Sociology ¹	3
SOC 130	Introduction to Human Services	3
SOC 220	The Family	3
or SOC 270	Native American Studies	
or SOC 300	Race, Ethnic, and Gender Relations	
SOC 320	Case Management	3
SOC 330	Understanding Statistics	3
SOC 340	Research Methods	3
SOC 422	Social Science Theory	3
SOC 491	Capstone	1
SOC 497	Internship	3-12
Total Credits		46-55

Criminal Justice Concentration

Code	Title	Credits
COMM 216	Intercultural Communication	3
or COMM 314	Public Relations	

CJ 252	Introduction to the Social and Criminal Justice System	3
CJ 390	Criminology and Delinquency	3
CJ 416	Corrections: Institutional and Community	3
POLS 115	American National Government	3
or POLS 116	State and Local Government	
POLS 376	U.S. Constitution: Civil Liberties	3
PSYC 370	Abnormal Psychology	3

Total Credits **21**

Total General Education 39 Hrs

Total Major Requirement 43-52 Hrs

Total Concentration Requirement 21 Hrs

Total Credits Needed to Graduate 120 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year			
Fall	Credits	Spring	Credits
English Composition (Gen Ed)	3	Art and Music (Gen Ed)	3
MATH 210 (Gen Ed)	3	English Composition (Gen Ed)	3
SOC 110	3	Lab Science (Gen Ed)	4
Speech Communication (Gen Ed)	3	PSYC 111 (Gen Ed)	3
Computer Science and Literacy (Gen Ed)	3	Wellness (Gen Ed)	2
UNIV 150	1		
	16		15

Second Year			
Fall	Credits	Spring	Credits
Additional Humanities or Social Science (Gen Ed)	2	Additional Electives	3
CJ 252	3	COMM 314	3
Lab Science (Gen Ed)	4	PSYC 250	3
Literacies (Gen Ed)	3	SOC 130	3
Social Science (Gen Ed)	3	SOC 220	3
	15		15

Third Year			
Fall	Credits	Spring	Credits
Additional Electives	3	COMM 483	3
MGMT 330	3	CJ 390	3
POLS 115	3	SOC 340	3
PSYC 370	3	SOC 497	3
SOC 330	3	Additional Course (if only taking 3 credit internship)	3
	15		15

Fourth Year			
Fall	Credits	Spring	Credits
Additional Electives	3	Additional Electives	3
COMM 311	3	Additional Electives	3
SOC 422	3	CJ 416	3
SOC 491	1	PSYC 310	3
POLS 376	3	PSYC 470	3

PSYC 360	3	
	16	15

Total Credits 122

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. **Knowledge of Society & the Field:** Students will develop an understanding of the interaction between individual and societal forces; why knowledge of social and historical context, norms, institutions, and inequalities are important to the field of human services; and their role as emerging professionals in the evolving human services field.
2. **Confidence in Assessment, Critical Evaluation, & Theory:** Human services students will apply theories, evaluate studies, and conduct research in course projects tailored to give practical experience that connects to a broad range of professional opportunities.
3. **Application of Knowledge, Skills, & Values in Applied Settings:** Students will complete internships and coursework that integrate their academic knowledge, skills and values as emerging professionals within real world, applied settings.

Human Services - General Human Services Concentration

About this Composite Major

The Human Services major prepares you to meet the growing demand for human service workers, whose occupations encompass a broad range of helping professions. The program combines courses from the disciplines of communications, sociology, and psychology to provide an overall understanding of the field. The curriculum is designed to provide a comprehensive understanding of human behavior and to develop the skills necessary to function as a human services professional.

The general concentration in the Human Services major prepares graduates who strive to work with a wide range of client populations in a variety of settings. The curriculum provides flexibility through a broader range of multidisciplinary course options, including political science, communication, psychology, sociology, management, economics, and health and physical education.

Meet a Student



"VCSU's Human Services program has prepared me for the workforce with the many valuable classes and opportunities to grow my knowledge about the spheres that make up the Human Services field. What helps make the program so effective is the connection you are able to make with the professors and the connection shared between the university and the surrounding community. I know that wherever my future may take me, the connections made within the program have assisted

me with my professional growth and prepared me for what lays ahead." - Jacob Frey, '18

"I have been able to learn more about communicating with people of different backgrounds, and what we can do to better understand human behavior. I have gained skills that involve understanding people who have different ethnicities, disabilities, and other forms of diversity...The human services program is a great program with professors who understand and care about your education." - Marilyn Quintero, '20

Career Opportunities

Recent graduates have found employment in varied careers including:

- Case managers
- Directors of residential facilities
- Probation officers
- Parole officers
- Personnel specialists at local agencies

Other career opportunities include:

- Youth worker
- Social services liaison
- Director of residential facilities
- Family support worker
- Residential counselor
- Life skills instructor
- Client advocate
- Case manager
- Intake interviewer
- Community organizer
- Home health aide
- Social work (with completion of a master's degree in social work)

Explore Human Services



- National Organization for Human Services (<https://www.nationalhumanservices.org/>)
- North Dakota Department of Human Services (<http://www.nd.gov/dhs/>)

- National Human Services Assembly (<https://www.nationalassembly.org/>)
- Bureau of Labor Statistics – Community and Social Service Occupations (<https://www.bls.gov/ooh/community-and-social-service/home.htm>)

Practical Experience

Completion of an internship is required. Majors who have a cumulative GPA of 2.50 are eligible to apply for semester-long internships, for which students earn 3-12 credit hours. The internship provides supervised training in various regional agencies and service organizations. Students have completed their internships in various places, including Head Start, K-12 public schools, Sheyenne Care Center and other long-term care facilities, and Barnes County Social Services.

Contact Information

Department Chair & Faculty Contact

Dr. Emily Fenster, emily.fenster@vcsu.edu, (701) 845-7313

Department Location

McFarland Hall 315, (701) 845-7301

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(701) 845-7101 or (800) 532-8641, ext. 7101

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	

CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	
ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	
Art and Music		
Select one of the following:		3
ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 206	World Music	
MUS 207	History of Rock and Roll	
Social Science		
Select 6 credits from the following:		6
COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
GEOG 151	Human Geography	
HIST 103	United States to 1877	
HIST 104	United States to Present	
HIST 211	World Civilizations to 1500	
HIST 212	World Civilizations since 1500	
HIST 267	Environmental History	
HIST 270	Native American Studies	

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POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology ¹
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

¹ Required

Major Requirements

Code	Title	Credits
Required Courses		
COMM 311	Communication and Interviewing	3
COMM 483	Organizational Communication	3
	or MGMT 372 Foundations of Leadership	
	or MGMT 430 Organizational Behavior	
MGMT 330	Principles of Management	3
PSYC 250	Developmental Psychology	3
PSYC 310	Behavior Modification	3
PSYC 360	Group Dynamics	3
PSYC 470	Counseling Theory and Practice	3
SOC 110	Introduction to Sociology ¹	3
SOC 130	Introduction to Human Services	3
SOC 220	The Family	3
	or SOC 270 Native American Studies	
	or SOC 300 Race, Ethnic, and Gender Relations	
SOC 320	Case Management	3
SOC 330	Understanding Statistics	3
SOC 340	Research Methods	3
SOC 422	Social Science Theory	3
SOC 491	Capstone	1
SOC 497	Internship	3-12
Total Credits		46-55

General Human Services Concentration

Code	Title	Credits
Select 21 hours from the following:		
CJ 390	Criminology and Delinquency	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
COMM 312	Gender Communication	
COMM 314	Public Relations	
ENGL 410	Technical and Scientific Writing	
HPER 210	First Aid & CPR	
HPER 300	Drug Education and Information	
HPER 400	Current Issues in Community Health	

MGMT 270	Business Ethics
MGMT 340	Human Resource Management
POLS 115	American National Government
POLS 116	State and Local Government
POLS 376	U.S. Constitution: Civil Liberties
PSYC 240	Cognition and Brain Science
PSYC 350	Social Psychology
PSYC 370	Abnormal Psychology
PSYC 380	Human Sexuality
PSYC 480	Health Psychology
SOC 111	Introduction to Anthropology
SOC 251	Introduction to Gerontology
SOC 354	Health, Illness, and Disability
SOC 441	Death and Dying
SOC 499	Special Topics

Total Credits 21

Total General Education 39 Hrs

Total Major Requirement 43-52 Hrs

Total Concentration Requirement 21 Hrs

Total Credits Needed to Graduate 120 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year

Fall	Credits	Spring	Credits
English Composition (Gen Ed)	3	Art and Music (Gen Ed)	3
MATH 210 (Gen Ed)	3	English Composition (Gen Ed)	3
SOC 110	3	Lab Science (Gen Ed)	4
Speech Communication (Gen Ed)	3	PSYC 111 (Gen Ed)	3
Computer Science and Literacy (Gen Ed)	3	Wellness (Gen Ed)	2
UNIV 150	1		
16		15	

Second Year

Fall	Credits	Spring	Credits
Additional Electives	3	Additional Electives	3
Additional Humanities or Social Science (Gen Ed)	2	General Concentration Course	3
Lab Science (Gen Ed)	4	PSYC 250	3
Literacies (Gen Ed)	3	SOC 130	3
Social Science (Gen Ed)	3	SOC 220	3
15		15	

Third Year

Fall	Credits	Spring	Credits
Additional Electives	3	Additional Course (if only taking 3 credit internship)	3
Additional Electives	3	COMM 483	3
General Concentration Course	3	General Concentration Course	3
MGMT 330	3	SOC 340	3
SOC 330	3	SOC 497	3
15		15	

Fourth Year

Fall	Credits Spring		Credits
Additional Electives	3	General Concentration Course	3
COMM 311	3	General Concentration Course	3
General Concentration Course	3	General Education Course	3
PSYC 360	3	PSYC 310	3
SOC 422	3	PSYC 470	3
SOC 491	1		
	16		15

Total Credits 122

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. **Knowledge of Society & the Field:** Students will develop an understanding of the interaction between individual and societal forces; why knowledge of social and historical context, norms, institutions, and inequalities are important to the field of human services; and their role as emerging professionals in the evolving human services field.
2. **Confidence in Assessment, Critical Evaluation, & Theory:** Human services students will apply theories, evaluate studies, and conduct research in course projects tailored to give practical experience that connects to a broad range of professional opportunities.
3. **Application of Knowledge, Skills, & Values in Applied Settings:** Students will complete internships and coursework that integrate their academic knowledge, skills and values as emerging professionals within real world, applied settings.

Human Services - Gerontology Concentration

About this Composite Major

The Human Services major prepares students to meet the growing demand for human service workers, whose occupations encompass a broad range of helping professions. The program combines courses from the disciplines of communications, sociology, and psychology to provide an overall understanding of the field. The curriculum is designed to provide a comprehensive understanding of human behavior and to develop the skills necessary to function as a human services professional.

As more people are living longer and having diverse life experiences, there is an increasing demand for professionals with expertise in Gerontology, the study of aging and the life course.

Meet a Student



"I have been able to learn more about communicating with people of different backgrounds, and what we can do to better understand human behavior. I have gained skills that involve understanding people who have different ethnicities, disabilities, and other forms of diversity...The human services program is a great program with professors who understand and care about your education." - Marilyn Quintero, class of 2020

"My internship was one of the best experiences I have ever had. My supervisor allowed me to lead some of the activities with the residents and I found myself really enjoying the job. This internship confirmed to me again that

I was headed in the right direction." - Elizabeth Boettger, class of 2018

Career Opportunities



The Gerontology concentration in the Human Services major prepares graduates to work in a variety of settings, including:

- Social service agencies
- Government agencies
- Health care institutions
- Nonprofit organizations
- Long-term care facilities
- Retirement communities.

The multidisciplinary curriculum, which includes courses in communication, gerontology, psychology, sociology, and recreation and leisure studies, is designed to enhance critical thinking, communication, and problem-solving skills relevant to professions addressing aging-related issues and topics.

Recent graduates have found employment as:

- Case managers
- Directors of residential facilities
- Personnel specialists
- Probation officers
- Parole officers at local agencies.

Other career possibilities include:

- Social services liaison
- Group activities coordinator
- Home health aide
- Intake interviewer
- Client advocate
- Family support worker
- Residential counselor
- Life skills instructor
- Community organizer
- Youth worker
- Social work assistant
- Social work (with completion of a master's degree in social work)

Explore Human Services

- National Organization for Human Services (<https://www.nationalhumanservices.org/>)
- North Dakota Department of Human Services – Adults & Aging Services (<http://www.nd.gov/dhs/services/adultsaging/>)
- American Society on Aging (<https://www.asaging.org/>)
- Bureau of Labor Statistics – Community and Social Service Occupations (<https://www.bls.gov/ooh/community-and-social-service/home.htm>)

Practical Experience

Completion of an internship is required. Majors who have a cumulative GPA of 2.50 are eligible to apply for semester-long internships, for which students earn 3-12 credit hours. The internship provides supervised training in various regional agencies and service organizations. Students have completed their internships in various places, including: the Sheyenne Care Center and other long-term care facilities, Open Door Center, Barnes County Social Services, and Abused Persons Outreach Center.

Contact Information

Department Chair & Faculty Contact

Dr. Emily Fenster, emily.fenster@vcsu.edu, (701) 845-7313

Department Location

McFarland Hall 315, (701) 845-7301

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(701) 845-7101 or (800) 532-8641, ext. 7101

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8

BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	
ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	
Art and Music		
Select one of the following:		3
ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 206	World Music	
MUS 207	History of Rock and Roll	
Social Science		
Select 6 credits from the following:		6
COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	

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GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology ¹
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science ² or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits **39**

¹ Required

Major Requirements

Code	Title	Credits
Required Courses		
COMM 311	Communication and Interviewing	3
COMM 483	Organizational Communication	3
	or MGMT 372 Foundations of Leadership	
	or MGMT 430 Organizational Behavior	
MGMT 330	Principles of Management	3
PSYC 250	Developmental Psychology	3
PSYC 310	Behavior Modification	3
PSYC 360	Group Dynamics	3
PSYC 470	Counseling Theory and Practice	3
SOC 110	Introduction to Sociology ¹	3
SOC 130	Introduction to Human Services	3
SOC 220	The Family	3
	or SOC 270 Native American Studies	
	or SOC 300 Race, Ethnic, and Gender Relations	
SOC 320	Case Management	3
SOC 330	Understanding Statistics	3
SOC 340	Research Methods	3
SOC 422	Social Science Theory	3
SOC 491	Capstone	1
SOC 497	Internship	3-12
Total Credits		46-55

Gerontology Concentration

Code	Title	Credits
COMM 212	Interpersonal Communication	3
	or COMM 216 Intercultural Communication	

GERO 256	Development of Social Welfare (offered through DCB)	3
PSYC 370	Abnormal Psychology	3
RLS 290	Introduction to Inclusive Recreation (offered through DCB)	3
SOC 251	Introduction to Gerontology	3
SOC 354	Health, Illness, and Disability	3
SOC 441	Death and Dying	3

Total Credits **21**

Total General Education 39 Hrs

Total Major Requirements 43-52 Hrs

Total Concentration Requirements 21 Hrs

Total Credits Needed to Graduate 120 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year			
Fall	Credits	Spring	Credits
English Composition (Gen Ed)	3	Art and Music (Gen Ed)	3
MATH 210 (Gen Ed)	3	English Composition (Gen Ed)	3
SOC 110	3	Lab Science (Gen Ed)	4
Speech Communication (Gen Ed)	3	PSYC 111 (Gen Ed)	3
Computer Science and Literacy (Gen Ed)	3	Wellness (Gen Ed)	2
UNIV 150	1		
16		15	

Second Year			
Fall	Credits	Spring	Credits
Additional Humanities or social Science (Gen Ed)	2	Additional Electives	3
COMM 216	3	GERO 256 (offered through DCB)	3
Lab Science (Gen Ed)	4	SOC 130	3
Literacies (Gen Ed)	3	SOC 220	3
Social Science (Gen Ed)	3	PSYC 250	3
15		15	

Third Year			
Fall	Credits	Spring	Credits
Additional Electives	3	Additional course (if only taking 3 credit internship)	3
MGMT 330	3	COMM 483	3
PSYC 370	3	SOC 340	3
SOC 251	3	SOC 441	3
SOC 330	3	SOC 497	3
15		15	

Fourth Year			
Fall	Credits	Spring	Credits
Additional Electives	3	Additional Electives	3
COMM 311	3	Additional Electives	3
PSYC 360	3	PSYC 310	3
RLS 290 (offered through DCB)	3	PSYC 470	3
SOC 422	3	SOC 354	3

SOC 491	1	
	16	15

Total Credits 122

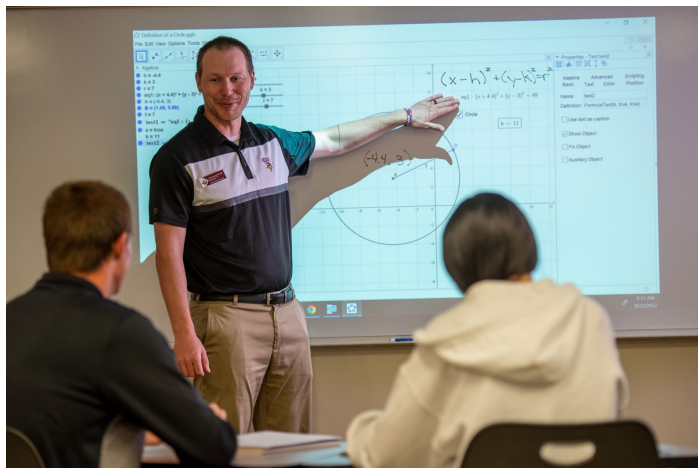
Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. **Knowledge of Society & the Field:** Students will develop an understanding of the interaction between individual and societal forces; why knowledge of social and historical context, norms, institutions, and inequalities are important to the field of human services; and their role as emerging professionals in the evolving human services field.
2. **Confidence in Assessment, Critical Evaluation, & Theory:** Human services students will apply theories, evaluate studies, and conduct research in course projects tailored to give practical experience that connects to a broad range of professional opportunities.
3. **Application of Knowledge, Skills, & Values in Applied Settings:** Students will complete internships and coursework that integrate their academic knowledge, skills and values as emerging professionals within real world, applied settings.

Mathematics

About this Major



Mathematics is the foundation for all science, technology, and engineering programs. Mathematical sophistication is a fundamental skill for a technical society like ours. This major leads to careers in business, industry, and government, as well as graduate study in a large variety of disciplines. There is plentiful demand in the job market for individuals skilled in mathematics.

Meet a Student



I just really like math. Also, I enjoy how small the math major is at VCSU. With smaller class sizes, I can spend more time asking questions of my classmates and my professors. VCSU is helping me reach my goals by providing me with a strong educational foundation. I love how close-knit everything feels and is. The staff and faculty know you by name and the campus harbors the feeling of a small town where everyone has each other's backs. It feels like home." - Madison Yoder, Math Education major

Career Opportunities

Math majors often pursue careers in:

- Engineering
- Statistics
- Economics
- Cryptography
- Actuarial Sciences
- Financial Analysis

Program Highlights



- Coursework available face-to-face on campus or courses can be taken fully online
- Cutting-edge, technology-rich instruction utilizing the latest in mathematics software
- Low student to professor ratio and individualized academic advising
- FREE digital math textbooks

Contact Information

Department Chair and Faculty Contact

Dr. Jamie Wirth, jamie.wirth@vcsu.edu, (701) 845-7734

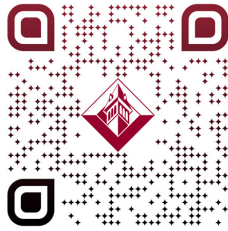
Department Location

Rhoades Science Center 132, (701) 845-7645

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University**

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
	or ENGL 121 Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
	or ENGL 121 Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I ¹	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I ²	
PHYS 252	University Physics II ²	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming ³	
CSCI 127	Introduction to Programming in Java ³	
CSCI 160	Introduction to Structured Programming I ³	
SE 110	Discovering Computing ³	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

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ENGL 261	American Literature I
ENGL 262	American Literature II
HUM 201	Civilization, Thought, and Literary Heritage
PSYC 200	Ethics and Philosophy of Science
SPAN 101	1st Year Spanish I
SPAN 102	1st Year Spanish II
SPAN 201	2nd Year Spanish I
SPAN 202	2nd Year Spanish II
THEA 110	Introduction to Theatre Arts

Art and Music

Select one of the following: 3

ART 110	Introduction to the Visual Arts
ART 115	Introduction to Digital Media
ART 210	Art History I
ART 211	Art History II
ART 233	History of Craft
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 206	World Music
MUS 207	History of Rock and Roll

Social Science

Select 6 credits from the following: 6

COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

- ¹ Required
- ² Course taken cannot count as both General Education and Major Directed Elective.
- ³ Required to take one of the four denoted courses. Course taken cannot count as both General Education and Major Directed Elective.

Major Requirements

Code	Title	Credits
Required Courses		
MATH 166	Calculus II	4
MATH 208	Discrete Mathematics	3
MATH 210	Elementary Statistics	3
MATH 265	Calculus III	4
MATH 266	Introduction to Differential Equations	3
MATH 321	Applied Probability and Statistics	3
MATH 330	Linear Algebra and Matrices	3
MATH 340	Abstract Algebra	4
MATH 400	History and Philosophy of Mathematics	2
MATH 410	Real Analysis	3
MATH 491	Math Capstone	1
MATH 497	Internship	3-12
Directed Electives		6
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
CSCI 161	Introduction to Structured Programming II	
CSCI 365	Programming Language Topics	
MATH 311	Modern Geometry	
MATH 435	Theory of Numbers (Mayville State University)	
MATH 494	Undergraduate Research	
MATH 499	Special Topics	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
SE 110	Discovering Computing	

Total Credits 42-51

Total General Education 39 Hrs
Total Major Requirement 42-51 Hrs
Total Credits needed to Graduate 120 hrs

NOTE: The Mathematics Major (B.A/B.S.) requires a minor and/or double major.

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year			
Fall	Credits Spring		Credits
COMM 110 or 212 (Gen Ed)	3	ENGL 120 or 125 (Gen Ed)	3
ENGL 110 (Gen Ed)	3	Lab Science (Gen Ed)	4
HPER 100 (Gen Ed)	2	MATH 165 (Gen Ed)	4
Lab Science (Gen Ed)	4	MATH 210	3
MATH 107 (if high school precalculus not completed)	3		
UNIV 150	1		
	16		14
Second Year			
Fall	Credits Spring		Credits
Art and Music (Gen Ed)	3	CSCI 127 (Gen Ed)	3
Literacies (Gen Ed)	3	MATH 265	4
MATH 166	4	MATH 311	3
Minor Course/Elective	3	MATH 330	3
Minor Course/Elective	3	Minor Course/Elective	3
	16		16

Third Year

Fall	Credits	Spring	Credits
MATH 266	3	MATH 321	3
MATH 340	4	MATH 400	2
Minor Course/Elective	3	Minor Course/Elective	3
Minor Course/Elective	3	Minor Course/Elective	3
Social Science (Gen Ed)	3	Social Science (Gen Ed)	3
16		14	

Fourth Year

Fall	Credits	Spring	Credits
Additional Humanities or Social Science (Gen Ed)	2	MATH 497	3-12
MATH 208	3	Minor Course/Elective	3
MATH 491	1	Minor Course/Elective	3
MATH 410	3		
Minor Course/Elective	3		
SE 110	3		
15		9-18	

Total Credits 116-125

NOTE: The Mathematics Major (B.A/B.S.) requires a minor and/or double major.

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. Students will demonstrate the ability to make mathematical connections and properly use mathematical problem solving, reasoning, communication, and representation.
2. Students will demonstrate appropriate use of technology and concrete materials for building understanding of mathematical concepts.

Mathematics Education

About this Composite Major

Teaching mathematics is an interesting and rewarding career choice. This is a critical skill for all learners as mathematics is the foundation for all science, technology, and engineering programs. There is an urgent need for math teachers, and graduates will enter a field with numerous career opportunities.

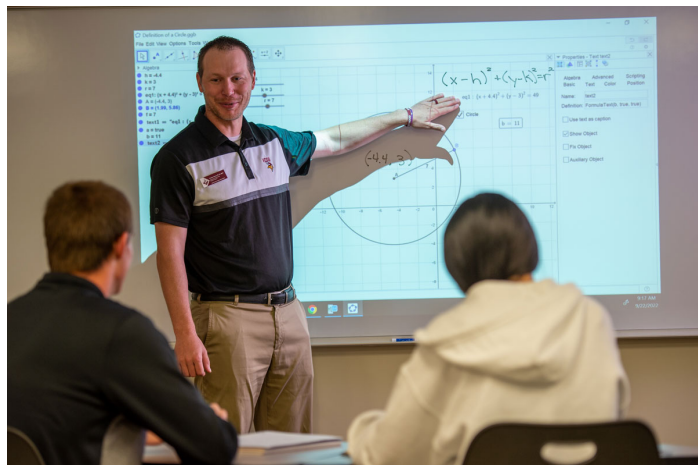
Meet a Student



I chose to attend VCSU because I liked the smaller campus. I also enjoyed how friendly everyone on campus was. It truly felt like a second home. I would encourage any student to attend VCSU because the people are amazing. People on campus care about you and celebrate accomplishments, even small ones. You truly have an opportunity to become a difference maker on campus. - Kadie Anderson '19, Linton, ND; math teacher.

I was able to complete my Math Education major while competing in college volleyball. The help and support that this education program provided me has helped me to be successful in my current teaching career. I can't thank VCSU enough for the great experiences! #WeAllRow. - Rachel Hummel '16, Fargo, ND; math teacher.

Career Opportunities



In recent years, VCSU graduates in Math Education have enjoyed 100% job placement and most have been under contract with a school district prior to graduation. Also, math education majors are often sought by employers outside of education who recognize that students successfully completing a math education degree possess strong analytical skills, people skills, and activity management skills. These characteristics are sought by government agencies, industry, and business.

Program Highlights



- Coursework available face-to-face on campus or fully online
- Select mathematics coursework designed specifically for teacher education majors
- Cutting-edge, technology-rich instruction utilizing the latest in mathematics software
- Low student-to-professor ratio and individualized academic advising
- FREE digital math textbooks

Accreditation

- Council for the Accreditation of Educator Preparation (CAEP)

Teacher Education Requirements

Students are typically admitted into Teacher Education during their sophomore year or the beginning of their junior year of college. This program requires a minimum cumulative GPA of 2.75 and successful completion of the Praxis CORE test. Additional criteria for Admission to Teacher Education can be found at the following website: www.onestop.vcsu.edu (<https://onestop.vcsu.edu/support/solutions/articles/10000052001-teacher-education/>).

Contact Information

Department Chair and Faculty Contact

Dr. Jamie Wirth, jamie.wirth@vcsu.edu, (701) 845-7734

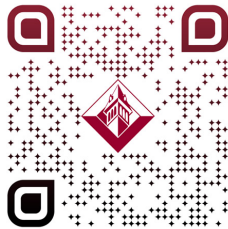
Department Location

Rhoades Science Center 132, (701) 845-7452

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General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I ¹	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming ²	
CSCI 127	Introduction to Programming in Java ²	
CSCI 160	Introduction to Structured Programming I ²	
SE 110	Discovering Computing ²	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

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ENGL 261	American Literature I
ENGL 262	American Literature II
HUM 201	Civilization, Thought, and Literary Heritage
PSYC 200	Ethics and Philosophy of Science
SPAN 101	1st Year Spanish I
SPAN 102	1st Year Spanish II
SPAN 201	2nd Year Spanish I
SPAN 202	2nd Year Spanish II
THEA 110	Introduction to Theatre Arts
Art and Music	
Select one of the following:	
ART 110	Introduction to the Visual Arts
ART 115	Introduction to Digital Media
ART 210	Art History I
ART 211	Art History II
ART 233	History of Craft
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 206	World Music
MUS 207	History of Rock and Roll
Social Science	
Select 6 credits from the following:	
COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology ³
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology
Additional Humanities or Social Science	
Select one additional course from Humanities or Social Science	
or select from the following:	
ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum
Total Credits	

¹ Required
² One of these four courses required
³ Required as pre-requisite for PSYC 250 Developmental Psychology

Major Requirements

Code	Title	Credits
Required Courses		
MATH 166	Calculus II	4
MATH 208	Discrete Mathematics	3
MATH 210	Elementary Statistics	3
MATH 265	Calculus III	4
MATH 266	Introduction to Differential Equations	3
MATH 313	Algebra and Functions for Teachers	3
MATH 314	Geometry & Trigonometry for Teachers	3
MATH 321	Applied Probability and Statistics	3
MATH 330	Linear Algebra and Matrices	3
MATH 340	Abstract Algebra	4
MATH 400	History and Philosophy of Mathematics	2
MATH 410	Real Analysis	3
MATH 490	Teaching Secondary School Mathematics	3
MATH 491	Math Capstone	1
Total Credits		42

Total General Education 39 Hrs
Total Major Requirement 42 Hrs
Total Professional Ed Sequence 32-33 Hrs
Total Credits Needed to Graduate 120 Hrs

Professional Education Sequence

Code	Title	Credits
Professional Education Sequence		
EDUC 240	Educating Exceptional Students	3
EDUC 250	Introduction to Education	3
EDUC 283	Understanding Cultural Diversity in Education	3
EDUC 300	Educational Technology	2
EDUC 351	Secondary Practicum and Classroom Management	1
EDUC 352	Culturally Diverse Practicum	1
or EDUC 464	Practicum in the ELL Classroom	
EDUC 375	Teaching Reading in the Content Areas	2
EDUC 400	Educational Psychology	2
EDUC 450	Trends in Assessment and Educational Issues	2
EDUC 480	Student Teaching (Secondary)	10
PSYC 250	Developmental Psychology	3
Total Credits		32

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year			
Fall	Credits	Spring	Credits
COMM 110 or 212 (Gen Ed)	3	ENGL 120 or 125 (Gen Ed)	3
ENGL 110 (Gen Ed)	3	Lab Science (Gen Ed)	4
HPER 100 (Gen Ed)	2	PSYC 111 (Gen Ed)	3
Lab Science (Gen Ed)	4	MATH 165 (Gen Ed)	4
MATH 107 (if high school precalculus not completed)	3	MATH 210	3
UNIV 150	1		
16		17	
Second Year			
Fall	Credits	Spring	Credits
Art and Music (Gen Ed)	3	EDUC 240	3

EDUC 250	3	EDUC 283	3
Literacies (Gen Ed)	3	MATH 265	4
MATH 166	4	MATH 314	3
SE 110 (Gen Ed)	3	MATH 330	3
16		16	
Third Year			
Fall	Credits Spring		Credits
EDUC 351	1	EDUC 300	2
EDUC 450	2	EDUC 375	2
Elective	2	MATH 313	3
MATH 266	3	MATH 321	3
MATH 340	4	MATH 400	2
MATH 490	3	Social Science (Gen Ed)	3
15		15	
Fourth Year			
Fall	Credits Spring		Credits
Additional Humanities or Social Science (Gen Ed)	2	EDUC 480	10
EDUC 352	1		
EDUC 400	2		
MATH 208	3		
MATH 410	3		
MATH 491	1		
PSYC 250	3		
15		10	
Total Credits 120			

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

The following outcomes are based on the North Dakota Education Standards and Practices Board State Program Approval Standards.

1. Students will demonstrate the ability to make mathematical connections and properly use mathematical problem solving, reasoning, communication, and representation.
2. Students will demonstrate an understanding of both secondary school mathematics and college core mathematics including the history and philosophy of math and basic computer programming.
3. Students will demonstrate appropriate use of technology and concrete materials for building understanding of mathematical concepts.
4. Students will demonstrate the ability to use a variety of teaching methods and assessment strategies.

Medical Laboratory Science

About this Composite Major



Medical Laboratory Science is a specialty program at VCSU, training future healthcare workers in practicing diagnostic medicine and generating accurate test results in chemistry, hematology, immunology, immunohematology, and microbiology. The results of these tests are critical because they provide key information to help in the diagnosis and treatment of disease. The Medical Laboratory Science (MLS) major equips students to become essential members of a healthcare team. This degree path will earn you a degree from VCSU and a Medical Laboratory Science Certificate from UND. This major at VCSU is meant to give students career opportunities, particularly in rural areas.

Meet a Student



VCSU offers a unique experience in that the science professors are right there with you to offer the best advice and course recommendations- and of course the best ways

to learn science! - Jess Ulrich, 2017 graduate, Medical Laboratory Scientist

Career Opportunities

According to the Bureau of Labor Statistics, job opportunities in this field are expected to be excellent. Employment of medical laboratory workers is expected to grow by 11% between 2018–2028, faster than the average for all occupations (www.bls.gov/ooh (<https://www.bls.gov/ooh/>)).

Get Involved in your Major



Pre-Professional Club

The Pre-Professional Club is for students interested in continuing their education in the medical field (including nursing), law, accounting, and graduate school. This club provides support for students going through the application process and provide opportunities to practice aptitude tests such as the GRE, mCAT, LSAT, and DAT. Volunteer work, job shadowing, and educational & leadership opportunities are also part of the club's activities. The goal is for students to support each other, learn from other students' experiences, thus making your applications stronger, and increasing your chance for successful admission into your program of choice.

Western College Alliance

Valley City State University has an affiliation agreement with the University of North Dakota for this major. This is considered the 3+1 track, and students in this track are from affiliated universities in the Western College Alliance for Medical Laboratory Science. Each of the affiliated colleges have aligned specific curriculum content in their first three years with UND's MLS program. The universities that do not offer professional courses such as hematology, clinical immunology, or medical microbiology contract with the University of North Dakota to deliver these courses by distance learning.

Medical Laboratory Science Certificate

Students in this major take part in a very prescribed program. The first six semesters for the MLS degree are completed at VCSU in the pre-professional phase. Upon successful completion of all required prerequisite coursework, the

student applies to UND to complete the professional phase. This consists of a summer practicum experience at the UND campus in Grand Forks, ND, followed by two semesters in a clinical setting at a UND MLS clinical affiliate. The student will graduate in the MLS major with a degree from Valley City State University and a certificate from UND.

Contact Information

Department Chair

Dr. Nicholas Galt, nicholas.galt@vcsu.edu, (701) 845-7459

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Department Location

Rhoades Science Center 203, (701) 845-7452

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<http://visit.vcsu.edu/>

(701) 845-7101 or (800) 532-8641, ext. 7101

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
	or ENGL 121 Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
	or ENGL 121 Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus ¹	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I ¹	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I ¹	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

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ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	

Art and Music

Select one of the following:		3
ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 206	World Music	
MUS 207	History of Rock and Roll	

Social Science

Select 6 credits from the following:		6
COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
GEOG 151	Human Geography	
HIST 103	United States to 1877	
HIST 104	United States to Present	
HIST 211	World Civilizations to 1500	
HIST 212	World Civilizations since 1500	
HIST 267	Environmental History	
HIST 270	Native American Studies	
POLS 115	American National Government	
POLS 116	State and Local Government	
PSYC 111	Introduction to Psychology	
SOC 110	Introduction to Sociology	
SOC 111	Introduction to Anthropology	

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science or select from the following:		2
ART 122	Two-Dimensional Design	
ART 130	Drawing I	
ART 150	Ceramics I	
ART 180	Photography I	
GEOG 111	Survey of Geography	
MUS 104	Group Piano for Non-Majors	
MUS 105	Group Piano for Non-Majors	
MUS 130	Valkyries	
MUS 131	Concert Choir	
MUS 140	Athletic Band	
MUS 141	Concert Band	
PHYS 275	Planetarium Science	
THEA 201	Theatre Practicum	

Total Credits 39

¹ Required

Major Requirements

Code	Title	Credits
Required Courses		
BIOL 151	General Biology II	4

BIOL 220	Human Anatomy and Physiology I	4
BIOL 221	Human Anatomy and Physiology II	4
BIOL 310	Microbiology	4
BIOL 441	Cell Biology	4
or CHEM 360	Elements of Biochemistry	
CHEM 122	General Chemistry II	5
Choose one of the following:		3-4

BIOL 440	Biostatistics and Experimental Design	
MATH 210	Elementary Statistics	
MATH 321	Applied Probability and Statistics	
MLS 226	Immunology (University of North Dakota)	3
MLS 332	Hematology with Lab (University of North Dakota)	3
MLS 334	Medical Microbiology (University of North Dakota)	3

Directed Electives

Select 8 hours from the following:		8
BIOL 315	Genetics	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 330	Quantitative Analysis I	
CHEM 341	Organic Chemistry I	
CHEM 342	Organic Chemistry II	
MGMT 330	Principles of Management	
MLS 220	Laboratory Operations (University of North Dakota)	

Certificate

MLS certificate at UND (University of North Dakota). Students are required to spend the summer of their senior year at UND and their senior year in a hospital-based clinical laboratory.

MLS 411	Clinical Chemistry I	2
MLS 412	Clinical Hematology & Hemostasis I	3
MLS 413	Clinical Immunohematology I	2
MLS 414	Clinical Microbiology I	3
MLS 415	Clinical Urinalysis & Body Fluids	2
MLS 416	Clinical Immunology & Molecular Diagnostics	1
MLS 420	Clinical Laboratory Operations	2
MLS 421	Clinical Chemistry II	2
MLS 422	Clinical Hematology & Hemostasis II	3
MLS 423	Clinical Immunohematology II	2
MLS 424	Clinical Microbiology II	3
MLS 425	Clinical Urinalysis & Body Fluids II	2
MLS 431	Clinical Chemistry & Urinalysis III	2
MLS 432	Clinical Hematology & Hemostasis III	2
MLS 433	Clinical Immunohematology III	2
MLS 434	Clinical Microbiology III	2
MLS 449	Capstone in MLS	3
MLS 450	Advanced Clinical Applications in MLS	1

Total Credits 84-85

Total General Education 39 Hrs

Total Major Requirement 84-85 Hrs

Total Credits Needed to Graduate 123-124 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

Fall start - even years

First Year

Fall	Credits	Spring	Credits
BIOL 150 (Gen Ed)	4	BIOL 151	4

CHEM 121 (Gen Ed)	5	CHEM 122	5		
CIS 170 (Gen Ed)	3	ENGL 125 (Gen Ed)	3		
ENGL 110 (Gen Ed)	3	CHEM 116	4		
15		16			
Second Year					
Fall	Credits	Spring	Credits		
BIOL 220	4	BIOL 221	4		
MATH 107 (Gen Ed)	3	BIOL 310	4		
SOC 110 (Gen Ed)	3	HPER 100 (Gen Ed)	2		
CHEM 360	4	PSYC 200 (Gen Ed)	3		
		Social Science (Gen Ed)	3		
14		16			
Third Year					
Fall	Credits	Spring	Credits	Summer	Credits
MATH 210	3	BIOL 315	4	MLS 325L	1
MLS 226 (offered through UND)	3	MLS 332 (offered through UND)	3	MLS certificate courses (offered through UND)	13
MLS 334 (offered through UND)	3	MGMT 330	3		
Art and Music (Gen Ed)	3	Additional Humanities or Social Science (Gen Ed)	2		
Speech Communication (Gen Ed)	3				
15		12		14	
Fourth Year					
Fall	Credits	Spring	Credits		
MLS certificate course affiliated hospital	12	MLS certificate courses affiliated hospital	12		
12		12			
Total Credits 126					

Fall start - odd years

First Year					
Fall	Credits	Spring	Credits		
BIOL 150 (Gen Ed)	4	BIOL 151	4		
CHEM 121 (Gen Ed)	5	CHEM 122	5		
ENGL 110 (Gen Ed)	3	ENGL 125 (Gen Ed)	3		

CIS 170 (Gen Ed)	3	HPER 100 (Gen Ed)	2		
15		14			
Second Year					
Fall	Credits	Spring	Credits		
BIOL 220	4	BIOL 221	4		
MATH 107 (Gen Ed)	3	BIOL 310	4		
MATH 210	3	CHEM 116	4		
SOC 110 (Gen Ed)	3	PSYC 200 (Gen Ed)	3		
Art and Music (Gen Ed)	3				
16		15			
Third Year					
Fall	Credits	Spring	Credits	Summer	Credits
CHEM 360	4	BIOL 315 or MATH 165	4	MLS 325L (offered through UND)	1
MLS 226 (offered through UND)	3	MLS 332(offered through UND)	3	MLS certificate courses (offered though UND)	13
MLS 334 (offered through UND)	3	MGMT 330	3		
Social Science (Gen Ed)	3	Additional Humanities or Social Science (Gen Ed)	2		
Speech Communication (Gen Ed)	3				
16		12		14	
Fourth Year					
Fall	Credits	Spring	Credits		
MLS certificate course affiliated hospital	12	MLS certificate courses affiliated hospital	12		
12		12			
Total Credits 126					

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcome

Upon completion of the Medical Laboratory Science Program the students should be able to:

1. Demonstrate a fundamental knowledge of the major concepts in chemistry and biology
2. Exhibit critical thinking skills by applying the scientific method to solve problems

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3. Exhibit the entry level competencies needed to work as a Bachelor of Science degreed medical laboratory scientist.
4. Exhibit adequate knowledge and background experience to qualify for national certification examinations appropriate to their level of training.

Music - Audio Production Concentration

About this Composite Major



The Bachelor of Science or Bachelor of Arts degree in Music with an Audio Production Concentration gives students a traditional, liberal arts education in music combined with studies of 21st-century skills in recording, editing, and mastering musical recordings. In addition to the core classes required of all music majors, students will complete a series of classes in analog and digital recording techniques and electronic music production. Students in this course of study will complete a comprehensive recording project as their capstone experience. Audio Production students can prepare themselves for an avocation or career in the music industry, prepare themselves for additional study, or use the degree as an effective pre-professional degree, serving as a gateway to graduate studies, law school, or medical school.

Meet a Student



VCSU is both my family and my home. My hope is to make my own music and teach others how to do the same. - Tucker Schonert, Valley City, N.D., audio production student

Practical Experience

Students will use cutting-edge technology in our recently renovated and updated recording/production studio suite. In both their own personal projects as well as in their course projects, students will access to some of the best hardware and software in the industry. The skills learned here can be used across the music curriculum.

Practice and Perform in the Center for the Arts



The brand-new Center for the Arts houses all music classrooms including:

- a state-of-the-art recording and production studio
- a 350-seat performance hall
- a 100-seat recital hall/choral room
- a band room
- a piano/computer lab
- large and small practice rooms

Acoustic treatments have been designed for all performance, rehearsal and practice spaces, and the larger spaces feature adjustable acoustics and audio/video capabilities.

Contact Information

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Department Location

Center for the Arts, (701) 845-7272

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General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
or ENGL 121	Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
or ENGL 121	Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	
Art and Music		
Select one of the following:		3
ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 206	World Music ¹	
MUS 207	History of Rock and Roll	
Social Science		
Select 6 credits from the following:		6
COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
GEOG 151	Human Geography	
HIST 103	United States to 1877	
HIST 104	United States to Present	
HIST 211	World Civilizations to 1500	
HIST 212	World Civilizations since 1500	
HIST 267	Environmental History	
HIST 270	Native American Studies	
POLS 115	American National Government	
POLS 116	State and Local Government	
PSYC 111	Introduction to Psychology	
SOC 110	Introduction to Sociology	
SOC 111	Introduction to Anthropology	
Additional Humanities or Social Science		
Select one additional course from Humanities or Social Science or select from the following:		2
ART 122	Two-Dimensional Design	
ART 130	Drawing I	
ART 150	Ceramics I	
ART 180	Photography I	
GEOG 111	Survey of Geography	
MUS 104	Group Piano for Non-Majors	
MUS 105	Group Piano for Non-Majors	
MUS 130	Valkyries	
MUS 131	Concert Choir	
MUS 140	Athletic Band	
MUS 141	Concert Band	
PHYS 275	Planetarium Science	
THEA 201	Theatre Practicum	
Total Credits		39

¹ Required

Major Requirements

Code Title Credits
Application required for entry into program: application form, audition, program plan. The student must achieve a grade of C or better in each of the specified courses.

Core Courses		
MUS 109	Music Theory I	3
MUS 110	Music Theory II	3
MUS 121	Aural Skills I	1
MUS 122	Aural Skills II	1
MUS 171	Introduction to Music Technology	3
MUS 200	Music Convocation ¹	0
MUS 201	Music Theory III	3
MUS 202	Music Theory IV	3
MUS 203	Aural Skills III	1
MUS 204	Aural Skills IV	1
MUS 205	Basic Conducting	2
MUS 301	Scoring and Arranging	2
MUS 331	Music History & Literature I	3
MUS 332	Music History & Literature II	3

Music Ensembles		
Select 4 credits from the following:		4
MUS 131	Concert Choir	
MUS 132	University Singers	
MUS 133	Opera Ensemble	
MUS 140	Athletic Band	
MUS 141	Concert Band	
MUS 142	Jazz Ensemble	
MUS 143	Commercial Music Ensemble	
MUS 144	Percussion Ensemble	
MUS 145	Brass Ensemble	
MUS 146	Woodwind Ensemble	
MUS 148	Orchestra	
MUS 149	Wind Ensemble	

Performance		
100 Level Applied Music (2 semesters) ²		4
200 Level Applied Music (2 semesters) ²		4
MUS 111	Class Piano I ³	1
MUS 112	Class Piano II ³	1

Total Credits 43

- ¹ Students are required to enroll in MUS 200 Music Convocation (0 credits) concurrently with Applied Music.
- ² All credits of Applied Music must be taken on the same instrument.
MUS 231 Diction for Singers I and MUS 232 Diction for Singers II are required for all students whose primary instrument is voice.
- ³ Students whose primary instrument is piano may substitute 2 credits of MUS electives for MUS 111 Class Piano I and MUS 112 Class Piano II.

Audio Production Concentration Requirements

Code	Title	Credits
MUS 209	Introduction to the Modern Recording Studio	3
MUS 307	Recording and Mixing Techniques	3
MUS 309	The Business of Music	3
MUS 312	Electronic Music Production	3
MUS 320	Popular Composition	2

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MUS 492	Music Academic Capstone	1-3
Total Credits		15-17

Total General Education 39 Hrs
 Total Major Requirement 43 Hrs
 Total Concentration Requirement 15-17 Hrs
 Total Credits Needed to Graduate 120 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year

Fall	Credits	Spring	Credits
Applied Music	2	Applied Music	2
ENGL 110 (Gen Ed)	3	ENGL 120 (Gen Ed)	3
Ensemble (Gen Ed)	1	Ensemble	1
MUS 109	3	MUS 110	3
MUS 111	1	MUS 112	1
MUS 121	1	MUS 122	1
UNIV 150	1	MUS 209	3
MUS 171 (Introduction to Music Technology)	3		
	15		14

Second Year

Fall	Credits	Spring	Credits
Applied Music	2	Applied Music	2
Ensemble	1	Electives	2
MUS 201	3	Ensemble	1
MUS 203	1	HPER 100 (Gen Ed)	2
MUS 205	2	MUS 202	3
MUS 307	3	MUS 204	1
MUS 331	3	MUS 312	3
		MUS 332	3
	15		17

Third Year

Fall	Credits	Spring	Credits
Electives	6	Electives	6
Ensemble	1	Ensemble	1
Literacies (Gen Ed)	3	Lab Science (Gen Ed)	4
Mathematics (Gen Ed)	3	Speech Communication (Gen Ed)	3
		MUS 301	2
	13		16

Fourth Year

Fall	Credits	Spring	Credits
Electives	3	Art and Music (Gen Ed)	3
Ensemble (Gen Ed)	1	Electives	7
Lab Science (Gen Ed)	4	Social Science (Gen Ed)	3
MUS 309	3	Computer Science and Literacy (Gen Ed)	3
Social Science (Gen Ed)	3		
	14		16

Total Credits 120

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Music Learning Outcomes

VCSU Music Majors will:

1. Demonstrate competence in basic musicianship skills. (Musicianship)
2. Develop requisite performance skills as a soloist and ensemble member, consistent with the objectives of their degree plan. (Performance)
3. Interpret and analyze music from a variety of cultures and time periods. (Analysis)
4. Demonstrate teaching skills consistent with the objectives of their degree plan. (Pedagogy)

Music - General Studies Concentration

About this Composite Major

The BA/BS in Music: General Studies Concentration is designed to give students a flexible approach to their undergraduate study. In addition to the core classes required of all music majors, students use electives to craft a degree program to suit their interests. Each student will end their music studies with an academic capstone project. Many music graduates work as professional performers, artists, and teachers. The BA/BS in Music is also an effective pre-professional degree, serving as a gateway to graduate studies, law school, or medical school.

Meet a Student



"When I visited the VCSU campus as a high schooler, I knew it was where I wanted to complete my undergraduate degree in music. The campus was cozy, the music faculty was caring, and it just felt right to me. Little did I know, I would end up completing my Master's degree from VCSU as well for all of those same reasons. VCSU has, and always will be, home for me!" - Sarah Larson, Piano player

Career Opportunities



There are multiple career paths with a Music degree including:

- Music producer
- Ensemble director
- Publicist
- Composer
- Arranger
- Recording artist
- Tour manager

Join an Ensemble



There are many venues for students to share their performance abilities: Concert Choir, Concert Band, Athletic Band, Jazz Ensemble, University Singers, Wind Ensemble, and Opera Ensemble.

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Practice and Perform in the Center for the Arts



The brand-new Center for the Arts houses all music classrooms including:

- a state-of-the-art recording and production studio
- a 350-seat performance hall
- a 100-seat recital hall/choral room
- a band room
- a piano/computer lab
- large and small practice rooms

Acoustic treatments have been designed for all performance, rehearsal and practice spaces, and the larger spaces feature adjustable acoustics and audio/video capabilities.

Contact Information

Department Chair

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Department Location

Center for the Arts, (701) 845-7272

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General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
or ENGL 12!Introduction to Professional Writing		
or		
ENGL 120	College Composition II	
or ENGL 12!Introduction to Professional Writing		
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

ENGL 261	American Literature I
ENGL 262	American Literature II
HUM 201	Civilization, Thought, and Literary Heritage
PSYC 200	Ethics and Philosophy of Science
SPAN 101	1st Year Spanish I
SPAN 102	1st Year Spanish II
SPAN 201	2nd Year Spanish I
SPAN 202	2nd Year Spanish II
THEA 110	Introduction to Theatre Arts

Art and Music

Select one of the following: 3

ART 110	Introduction to the Visual Arts
ART 115	Introduction to Digital Media
ART 210	Art History I
ART 211	Art History II
ART 233	History of Craft
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 206	World Music ¹
MUS 207	History of Rock and Roll

Social Science

Select 6 credits from the following: 6

COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

¹ Required

Major Requirements

Code **Title** **Credits**

Application required for entry into program: application form, audition, program plan. The student must achieve a grade of C or better in each of the specified courses.

Core Courses

MUS 109	Music Theory I	3
MUS 110	Music Theory II	3
MUS 121	Aural Skills I	1
MUS 122	Aural Skills II	1
MUS 171	Introduction to Music Technology	3
MUS 200	Music Convocation ¹	0
MUS 201	Music Theory III	3
MUS 202	Music Theory IV	3
MUS 203	Aural Skills III	1
MUS 204	Aural Skills IV	1
MUS 205	Basic Conducting	2
MUS 301	Scoring and Arranging	2
MUS 331	Music History & Literature I	3
MUS 332	Music History & Literature II	3

Music Ensembles

Select 4 credits from the following: 4

MUS 131	Concert Choir
MUS 132	University Singers
MUS 133	Opera Ensemble
MUS 140	Athletic Band
MUS 141	Concert Band
MUS 142	Jazz Ensemble
MUS 143	Commercial Music Ensemble
MUS 144	Percussion Ensemble
MUS 145	Brass Ensemble
MUS 146	Woodwind Ensemble
MUS 148	Orchestra
MUS 149	Wind Ensemble

Performance

100 Level Applied Music (2 semesters)	²	4
200 Level Applied Music (2 semesters)	²	4
MUS 111	Class Piano I ³	1
MUS 112	Class Piano II ³	1

Total Credits 43

¹ Students are required to enroll in MUS 200 Music Convocation (0 credits) concurrently with Applied Music.

² All credits of Applied Music must be taken on the same instrument.
MUS 231 Diction for Singers I and MUS 232 Diction for Singers II are required for all students whose primary instrument is voice.

³ Students whose primary instrument is piano may substitute 2 credits of MUS electives for MUS 111 Class Piano I and MUS 112 Class Piano II.

General Studies Concentration Requirements

Code **Title** **Credits**

Music General Studies Courses

Electives from MUS courses		9
MUS 435	Seminar in Musicology	3

Total Credits 12

Total General Education 39 Hrs

Total Major Requirement 43 Hrs

Total Concentration Requirement 12 Hrs

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Total Credits Needed to Graduate 120 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year

Fall	Credits	Spring	Credits
Applied Music	2	Applied Music	2
ENGL 110 (Gen Ed)	3	ENGL 120 (Gen Ed)	3
Ensemble	1	Ensemble	1
MUS 109	3	Speech Communication (Gen Ed)	3
MUS 111	1	MUS 110	3
MUS 121	1	MUS 112	1
MUS 171 (Introduction to Music Technology)	3	MUS 122	1
UNIV 150	1		
	15		14

Second Year

Fall	Credits	Spring	Credits
Applied Music	2	Applied Music	2
Electives	5	Ensemble	1
Ensemble	1	HPER 100 (Gen Ed)	2
MUS 201	3	Computer Science and Literacy (Gen Ed)	3
MUS 203	1	MUS 202	3
MUS 331	3	MUS 204	1
		MUS 205	2
		MUS 332	3
	15		17

Third Year

Fall	Credits	Spring	Credits
Applied Music	2	Applied Music	2
Electives	6	Electives	6
Ensemble	1	Additional Humanities or Social Science (Gen Ed)	2
Literacies (Gen Ed)	3	Lab Science (Gen Ed)	4
MATH 104 (Gen Ed)	3	MUS 301	2
	15		16

Fourth Year

Fall	Credits	Spring	Credits
Electives	8	Art and Music (Gen Ed)	3
Ensemble (Gen Ed)	1	Electives	6
Lab Science (Gen Ed)	4	Ensemble	1
Social Science (Gen Ed)	3	Social Science (Gen Ed)	3
		MUS 435	3
	16		16

Total Credits 124

Music Learning Outcomes

VCSU Music Majors will:

1. Demonstrate competence in basic musicianship skills. (Musicianship)
2. Develop requisite performance skills as a soloist and ensemble member, consistent with the objectives of their degree plan. (Performance)
3. Interpret and analyze music from a variety of cultures and time periods. (Analysis)
4. Demonstrate teaching skills consistent with the objectives of their degree plan. (Pedagogy)

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Music - Performance Concentration

About this Composite Major

The BA/BS in Music: Performance Concentration is designed to give students a liberal arts education with an emphasis in music performance. In addition to the core classes required of all music majors, students will take advanced study in applied music and associated courses. The capstone recital is the culminating project of this concentration. This degree will give students a well-rounded education with opportunities to develop as a music performer. The degree can prepare students for additional study in music, as well as serving as an effective pre-professional degree, serving as a gateway to graduate studies, law school, or medical school.



Practical Experience

There are many venues for students to share their performance abilities: Concert Choir, Concert Band, Athletic Band, Jazz Ensemble, University Singers, Wind Ensemble, and Opera Ensemble. Students will also have ample opportunity to perform in public recitals and performances.

Contact Information

Department Chair

Kenneth Jimenez, kennethjr.jimenez@vcsu.edu, (701) 845-7381

Faculty Contact

Jerrold Heide, jerrold.heide@vcsu.edu, (701) 845-7375

Department Location

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General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
or ENGL 120	Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
or ENGL 120	Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	

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ENGL 241	World Literature I
ENGL 242	World Literature II
ENGL 261	American Literature I
ENGL 262	American Literature II
HUM 201	Civilization, Thought, and Literary Heritage
PSYC 200	Ethics and Philosophy of Science
SPAN 101	1st Year Spanish I
SPAN 102	1st Year Spanish II
SPAN 201	2nd Year Spanish I
SPAN 202	2nd Year Spanish II
THEA 110	Introduction to Theatre Arts

Art and Music

Select one of the following: 3

ART 110	Introduction to the Visual Arts
ART 115	Introduction to Digital Media
ART 210	Art History I
ART 211	Art History II
ART 233	History of Craft
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 206	World Music ¹
MUS 207	History of Rock and Roll

Social Science

Select 6 credits from the following: 6

COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science or select from the following: 2

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

¹ Required

Major Requirements

Code **Title** **Credits**

Application required for entry into program: application form, audition, program plan. The student must achieve a grade of C or better in each of the specified courses.

Core Courses

MUS 109	Music Theory I	3
MUS 110	Music Theory II	3
MUS 121	Aural Skills I	1
MUS 122	Aural Skills II	1
MUS 171	Introduction to Music Technology	3
MUS 200	Music Convocation ¹	0
MUS 201	Music Theory III	3
MUS 202	Music Theory IV	3
MUS 203	Aural Skills III	1
MUS 204	Aural Skills IV	1
MUS 205	Basic Conducting	2
MUS 301	Scoring and Arranging	2
MUS 331	Music History & Literature I	3
MUS 332	Music History & Literature II	3

Music Ensembles

Select 4 credits from the following: 4

MUS 131	Concert Choir
MUS 132	University Singers
MUS 133	Opera Ensemble
MUS 140	Athletic Band
MUS 141	Concert Band
MUS 142	Jazz Ensemble
MUS 143	Commercial Music Ensemble
MUS 144	Percussion Ensemble
MUS 145	Brass Ensemble
MUS 146	Woodwind Ensemble
MUS 148	Orchestra
MUS 149	Wind Ensemble

Performance

100 Level Applied Music (2 semesters) ²	4
200 Level Applied Music (2 semesters) ²	4
MUS 111 Class Piano I ³	1
MUS 112 Class Piano II ³	1

Total Credits 43

¹ Students are required to enroll in MUS 200 Music Convocation (0 credits) concurrently with Applied Music.

² All credits of Applied Music must be taken on the same instrument.
MUS 231 Diction for Singers I and MUS 232 Diction for Singers II are required for all students whose primary instrument is voice.

³ Students whose primary instrument is piano may substitute 2 credits of MUS electives for MUS 111 Class Piano I and MUS 112 Class Piano II.

Performance Concentration Requirements

Code	Title	Credits
300-level Applied Music (3 semesters)		6
MUS 309	The Business of Music	3
MUS 378	Applied Pedagogy	3
MUS 491	Music Recital Capstone	1

Total Credits 13

Total General Education 39 Hrs

Total Major Requirement 43 Hrs

Total Concentration Requirement 13 Hrs
Total Credits Needed to Graduate 120 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year			
Fall	Credits	Spring	Credits
Applied Music	2	Applied Music	2
ENGL 110 (Gen Ed)	3	ENGL 120 (Gen Ed)	3
Ensemble	1	Ensemble	1
MUS 109	3	MUS 110	3
MUS 111	1	MUS 112	1
MUS 121	1	MUS 122	1
MUS 171 (Introduction to Music Technology)	3	Speech Communication (Gen Ed)	3
UNIV 150	1		
	15		14
Second Year			
Fall	Credits	Spring	Credits
Applied Music	2	Applied Music	2
Electives	3	Electives	2
Ensemble	1	Ensemble	1
MUS 201	3	Computer Science and Literacy (Gen Ed)	3
MUS 203	1	HPER 100 (Gen Ed)	2
MUS 205	2	MUS 202	3
MUS 331	3	MUS 204	1
		MUS 332	3
	15		17
Third Year			
Fall	Credits	Spring	Credits
Applied Music	2	Applied Music	2
Electives	3	Electives	6
Ensemble	1	Ensemble (Gen Ed)	1
Literacies (Gen Ed)	3	Lab Science (Gen Ed)	4
MATH 104 (Gen Ed)	3	MUS 301	2
MUS 309	3		
	15		15
Fourth Year			
Fall	Credits	Spring	Credits
Applied Music	2	Applied Music	2
Electives	3	Art and Music (Gen Ed)	3
Ensemble (Gen Ed)	1	Electives	6
Lab Science (Gen Ed)	4	Ensemble	1
Social Science (Gen Ed)	3	MUS 491	1
MUS 378	3	Social Science (Gen Ed)	3
	16		16

Total Credits 123

Music Learning Outcomes

VCSU Music Majors will:

1. Demonstrate competence in basic musicianship skills. (Musicianship)
2. Develop requisite performance skills as a soloist and ensemble member, consistent with the objectives of their degree plan. (Performance)
3. Interpret and analyze music from a variety of cultures and time periods. (Analysis)
4. Demonstrate teaching skills consistent with the objectives of their degree plan. (Pedagogy)

Music Education K-12

About this Composite Major



The BS in Music Education degree program at VCSU is designed to give students the skills needed to be a successful 21st-century music teacher. Students learn performance skills on their primary instrument while gaining practical experience in conducting and leading a traditional ensemble. In addition, students gain experience in the modern world of music, including recording and production, integrating jazz and popular music in the curriculum, and experimenting with current technology and teaching trends in music. The music education degree is offered in a combined track, providing experience in both choral and instrumental education. The BS in Music Education leads to K-12 Music certification in the state of North Dakota.

Meet a Student



I love the people that I get to work with. I get to learn from my classmates as well as my professors because our classes allow for so much collaboration. I play horn in the Wind Ensemble and Concert Band. I play bass drum in our drumline. I have sung in the VCSU Concert Choir. - Rachel Baker, French horn player and Music Education major

"Valley City State University was the perfect environment to learn about teacher education for the music classroom. The combination of small classroom sizes and close faculty-student relationships allowed me to grow as a teacher through the faculty's great experience." —Brad Lambrecht '05, Lisbon, N.D.; orchestra and music director, Alexandria (Minn.) Public Schools

Accreditation

- Council for the Accreditation of Educator Preparation (CAEP)
- National Association of Schools of Music (NASM)

Teacher Education Requirements

Students are typically admitted into Teacher Education during their sophomore year or beginning of their junior year of college. This program requires a minimum cumulative GPA of 2.75 or higher and successful completion of the Praxis I test. Additional criteria for Admission to Teacher Education can be found at the following website: www.onestop.vcsu.edu (<https://onestop.vcsu.edu/support/solutions/articles/10000052001-teacher-education/>).

Get Involved in your Major



- National Association for Music Education (NAfME) Student Chapter
- American Choral Director's Association (ACDA) Student Chapter

Practical Experience



There are many venues for students to share their performance abilities: Concert Choir, Concert Band, Athletic Band, Jazz Ensemble, University Singers, Wind Ensemble, Opera Ensemble, and a wide variety of chamber and solo performance opportunities. Advanced students may be given the opportunity to lead elements of rehearsal, potentially culminating in live conducting experiences during ensemble performances.

Practice and Perform in the Center for the Arts



The brand-new Center for the Arts houses all music classrooms including:

- a state-of-the-art recording and production studio
- a 350-seat performance hall
- a 100-seat recital hall/choral room
- a band room
- a piano/computer lab
- large and small practice rooms

Acoustic treatments have been designed for all performance, rehearsal and practice spaces, and the larger spaces feature adjustable acoustics and audio/video capabilities.

Contact Information

Department Chair and Faculty Contact

Kenneth Jimenez, kennethjr.jimenez@vcsu.edu, (701) 845-7381

Department Location

Center for the Arts, (701) 845-7272

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General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	

or ENGL 12!Introduction to Professional Writing		
or		
ENGL 120	College Composition II	
or ENGL 12!Introduction to Professional Writing		
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	
ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	

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SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	
Art and Music		
Select one of the following:		3
ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 206	World Music ¹	
MUS 207	History of Rock and Roll	
Social Science		
Select 6 credits from the following:		6
COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
GEOG 151	Human Geography	
HIST 103	United States to 1877	
HIST 104	United States to Present	
HIST 211	World Civilizations to 1500	
HIST 212	World Civilizations since 1500	
HIST 267	Environmental History	
HIST 270	Native American Studies	
POLS 115	American National Government	
POLS 116	State and Local Government	
PSYC 111	Introduction to Psychology ¹	
SOC 110	Introduction to Sociology	
SOC 111	Introduction to Anthropology	
Additional Humanities or Social Science		
Select one additional course from Humanities or Social Science		2
or select from the following:		
ART 122	Two-Dimensional Design	
ART 130	Drawing I	
ART 150	Ceramics I	
ART 180	Photography I	
GEOG 111	Survey of Geography	
MUS 104	Group Piano for Non-Majors	
MUS 105	Group Piano for Non-Majors	
MUS 130	Valkyries	
MUS 131	Concert Choir ²	
MUS 140	Athletic Band	
MUS 141	Concert Band ²	
PHYS 275	Planetarium Science	
THEA 201	Theatre Practicum	
Total Credits		39

¹ Required

² Students must choose two credits from these courses.

Major Requirements

Code	Title	Credits
Application required for entry into program: application form, audition, program plan. The student must achieve a grade of C or better in each of the specified courses.		
Required Core Courses		
MUS 109	Music Theory I	3
MUS 110	Music Theory II	3
MUS 121	Aural Skills I	1
MUS 122	Aural Skills II	1

MUS 171	Introduction to Music Technology	3
MUS 200	Music Convocation ¹	0
MUS 201	Music Theory III	3
MUS 202	Music Theory IV	3
MUS 203	Aural Skills III	1
MUS 204	Aural Skills IV	1
MUS 205	Basic Conducting	2
MUS 301	Scoring and Arranging	2
MUS 331	Music History & Literature I	3
MUS 332	Music History & Literature II	3
K-12 Music Certification		
MUS 111	Class Piano I ²	1
MUS 112	Class Piano II ²	1
MUS 211	Class Piano III ²	1
MUS 212	Class Piano IV ²	1
MUS 221	Woodwind Methods	1
MUS 222	Brass Methods	1
MUS 223	Percussion Methods	1
MUS 224	Guitar Methods	1
MUS 225	String Methods	1
MUS 231	Diction for Singers I	1
MUS 232	Diction for Singers II	1
MUS 325	Vocal Methods	1
MUS 390	Music in the Elementary School	3
MUS 403	Choral Methods and Literature	3
MUS 404	Instrumental Methods and Literature	3
Primary Instrument Performance		
100 Level Applied Music		4
200 Level Applied Music		4
300 Level Applied Music		2
Primary Ensembles		
MUS 131	Concert Choir	
MUS 141	Concert Band	
Small Ensembles		
MUS 132	University Singers	
MUS 133	Opera Ensemble	
MUS 142	Jazz Ensemble	
MUS 143	Commercial Music Ensemble ³	
MUS 144	Percussion Ensemble	
MUS 145	Brass Ensemble	
MUS 149	Wind Ensemble	
Total Credits		66

Professional Education Sequence

Code	Title	Credits
Professional Education Sequence for Music		
EDUC 240	Educating Exceptional Students	3
EDUC 283	Understanding Cultural Diversity in Education	3
EDUC 351	Secondary Practicum and Classroom Management	1
EDUC 352	Culturally Diverse Practicum	1
EDUC 375	Teaching Reading in the Content Areas	2
EDUC 400	Educational Psychology	2
EDUC 450	Trends in Assessment and Educational Issues	2
EDUC 480	Student Teaching (Secondary)	10
MUS 249	Introduction to Music Education	2
MUS 388	Progressive Music Education I	3
PSYC 250	Developmental Psychology	3
Total Credits		32

¹ Students must register for MUS 200 Music Convocation each semester they are registered for Applied Music.

- ² Students whose primary instrument is piano must substitute MUS 212 Class Piano IV, MUS 153 Applied Voice (1 cr.) and MUS 350 Applied Piano (2 cr.) for these courses.
- ³ Students must complete at least 1 credit of Commercial Music Ensemble as part of the 2-credit Small Ensemble requirement.

Total General Education 39 Hrs

Total Major Requirement 66 Hrs

Total Professional Education Sequence 32 Hrs

Total Credits Needed to Graduate 137 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

Fall Even Entry

First Year			
Fall	Credits	Spring	Credits
Applied Music	2	Applied Music	2
ENGL 110 (Gen Ed)	3	ENGL 120 (Gen Ed)	3
MUS 109	3	MUS 110	3
MUS 111	1	MUS 112	1
MUS 121	1	MUS 122	1
MUS 171 (Introduction to Music Technology)	3	MUS 249	2
Primary Ensemble	1	Primary Ensemble	1
UNIV 150	1	Social Science (Gen Ed)	3
	15		16
Second Year			
Fall	Credits	Spring	Credits
Applied Music	2	Applied Music	2
Speech Communication (Gen Ed)	3	Lab Science (Gen Ed)	4
CIS 170 (Gen Ed)	3	Wellness (Gen Ed)	2
MUS 201	3	Math (Gen Ed)	3
MUS 203	1	MUS 202	3
MUS 205	2	MUS 204	1
MUS 211	1	MUS 212	1
MUS 231	1	MUS 232	1
Primary Ensemble	1	Primary Ensemble	1
	17		18
Third Year			
Fall	Credits	Spring	Credits
Applied Music	1	Applied Music	1
Literacies (Gen Ed)	3	EDUC 351	1
MUS 222	1	MUS 224	1
MUS 225	1	MUS 301	2
MUS 331	3	MUS 325	1
MUS 404	3	MUS 332	3
Social Science (Gen Ed)	3	MUS 388	3
		MUS 403	3
		Secondary Ensemble (Gen Ed)	1
	15		16

Fourth Year			
Fall	Credits	Spring	Credits
EDUC 240	3	EDUC 352	1
EDUC 283	3	EDUC 375	2
EDUC 400	2	EDUC 450	2
Lab Science (Gen Ed)	4	MUS 143	1
MUS 223	1	MUS 206 (Gen Ed)	3
MUS 390	3	MUS 221	1
Secondary Ensemble (Gen Ed)	1	PSYC 250	3
	17		13
Fifth Year			
Fall	Credits		
EDUC 480	10		
	10		
Total Credits 137			

Fall Odd Entry

First Year			
Fall	Credits	Spring	Credits
Applied Music	2	Applied Music	2
ENGL 110 (Gen Ed)	3	ENGL 120 (Gen Ed)	3
MUS 109	3	Math (Gen Ed)	3
MUS 111	1	MUS 110	3
MUS 121	1	MUS 112	1
MUS 171 (Introduction to Music Technology)	3	MUS 122	1
Primary Ensemble	1	MUS 249	2
UNIV 150	1	Primary Ensemble	1
	15		16
Second Year			
Fall	Credits	Spring	Credits
Applied Music	2	Applied Music	2
MUS 201	3	Lab Science (Gen Ed)	4
MUS 203	1	MUS 202	3
MUS 205	2	MUS 204	1
MUS 211	1	MUS 212	1
Primary Ensemble	1	MUS 388	3
Speech Communication (Gen Ed)	3	Primary Ensemble	1
Social Science (Gen Ed)	3	Secondary Ensemble (Gen Ed)	1
	16		16
Third Year			
Fall	Credits	Spring	Credits
Applied Music	1	Applied Music	1
Literacies (Gen Ed)	3	EDUC 351	1
MUS 223	1	HPER 100 (Gen Ed)	2
MUS 231	1	MUS 143	1
MUS 331	3	MUS 221	1
MUS 390	3	MUS 232	1
Social Science (Gen Ed)	3	MUS 301	2

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CIS 170 (Gen Ed)	3	MUS 332	3
	18		12
Fourth Year			
Fall	Credits Spring		Credits
EDUC 240	3	EDUC 352	1
EDUC 283	3	EDUC 375	2
Lab Science (Gen Ed)	4	EDUC 450	2
EDUC 400	2	MUS 206 (Gen Ed)	3
MUS 404	3	MUS 224	1
MUS 222	1	MUS 325	1
MUS 225	1	MUS 403	3
Secondary Ensemble (Gen Ed)	1	PSYC 250	3
	18		16
Fifth Year			
Fall	Credits		
EDUC 480	10		
	10		
Total Credits 137			

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Music Learning Outcomes

VCSU Music Majors will:

1. Demonstrate competence in basic musicianship skills. (Musicianship)
2. Develop requisite performance skills as a soloist and ensemble member, consistent with the objectives of their degree plan. (Performance)
3. Interpret and analyze music from a variety of cultures and time periods. (Analysis)
4. Demonstrate teaching skills consistent with the objectives of their degree plan. (Pedagogy)

Physical Education K-12

About this Composite Major

The Physical Education major is designed to prepare students for teaching physical education in grades K-12. Students will engage in content that includes the study of human anatomy and physiology, biomechanics, outdoor recreational pursuits, motor skills, and activities for the physical educator. At Valley City State University, our goal is to produce great physical educators who will make a difference in the lives of the students they will teach. This goal is accomplished by providing students ample opportunities to practice and develop essential teaching skills while engaging in the physical education content. Students will become competent in the use of technology and will be able to demonstrate its application in the educational setting. Throughout the curriculum, learners will work with master teachers who will effectively prepare the student to teach in today's physical education classroom.

Meet a Student



I would say that if someone is looking for a place to become an outstanding teacher, VCSU is a terrific place to start that process. What I experienced in and out of the classroom has made me the teacher that I am today and has given me the tools to excel. One thing that always stuck out to me was how often we observed and taught lessons to live classes in the high school and elementary setting. It helped to build confidence throughout my 4 years and gave me firsthand experience of what it takes to be a great teacher. Learning how to create and teach lessons with valuable content was also a huge focus during my time at VCSU. Lesson planning opened my eyes to a variety of resources and gave me a firm foundation in what it takes to become a teacher. Lastly, the interaction with the professors was top notch. They were always available to help with any questions or concerns that came up and formed a great relationship with each student. Overall, my time spent at VCSU was exceptional and integral in becoming an educator. - Andrew Hirsch '18

Career Opportunities



Students in this degree path have career opportunities in fitness, wellness, recreation and sports. Some of the most popular careers with this degree include

- K-12 Physical Education Teacher
- Fitness trainer
- Coach
- Personal trainer
- Activities coordinator

Accreditations

- Council for the Accreditation of Educator Preparation (CAEP)

Teacher Education Requirements

Students are typically admitted into Teacher Education during their sophomore year or the beginning of their junior year of college. This program requires a minimum cumulative GPA of 2.75 or higher and successfully completing the Praxis I test. Additional criteria for Admission to Teacher Education can be found within the VCSU Catalog (<http://catalog.vcsu.edu/undergraduate-catalog/teacher-education-program/>).

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Get Involved in your Major



The VCSU SHAPE Club provides students in physical education and health education opportunities to discuss current topics in their respective profession and collaborate to provide community outreach programs. The VCSU SHAPE Club strives to build young Health and Physical Education professionals through experiences while attending conferences such as the ND SHAPE Conference, the MN SHAPE Conference, and the Pre-Professionals Workshop. By attending these conferences, our majors gain Health & PE content knowledge and skills, experience in presenting content to their peers, as well as collaboration with veteran Health and PE teachers and administrators from across the tri-state area. Also, on-campus students can join Kappa Delta Pi (KDP) or Student North Dakota United (SNDU), among many other organizations.

Contact Information

Department Chair

Dr. Rachelle Hunt, rachelle.hunt@vcsu.edu, (701) 845-7260

Faculty Contact

Amber Thompson, amber.thompson.1@vcsu.edu, (701) 845-7582

Department Location

Gaukler Family Wellness & Physical Education Center 149, (701) 845-7580

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<http://visit.vcsu.edu/>

(701) 845-7101 or (800) 532-8641, ext. 7101

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
or ENGL 12!	Introduction to Professional Writing	
or		
ENGL 120	College Composition II	

or ENGL 12!	Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	
ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	
Art and Music		

Select one of the following: 3

ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 206	World Music	
MUS 207	History of Rock and Roll	

Social Science

Select 6 credits from the following: 6

COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
GEOG 151	Human Geography	
HIST 103	United States to 1877	
HIST 104	United States to Present	
HIST 211	World Civilizations to 1500	
HIST 212	World Civilizations since 1500	
HIST 267	Environmental History	
HIST 270	Native American Studies	
POLS 115	American National Government	
POLS 116	State and Local Government	
PSYC 111	Introduction to Psychology ¹	
SOC 110	Introduction to Sociology	
SOC 111	Introduction to Anthropology	

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design	
ART 130	Drawing I	
ART 150	Ceramics I	
ART 180	Photography I	
GEOG 111	Survey of Geography	
MUS 104	Group Piano for Non-Majors	
MUS 105	Group Piano for Non-Majors	
MUS 130	Valkyries	
MUS 131	Concert Choir	
MUS 140	Athletic Band	
MUS 141	Concert Band	
PHYS 275	Planetarium Science	
THEA 201	Theatre Practicum	

Total Credits 39

¹ Required

Major Requirements

Code	Title	Credits
Required Courses		
HPER 108	Exercise Techniques for Resistance Training	1
HPER 206	Fundamentals of Teaching Health and Physical Education	3
HPER 207	Prevention and Care of Athletic Injuries	2
HPER 210	First Aid & CPR	1
HPER 208	Introduction to Physical Education	3
HPER 215	Motor Behavior	3
HPER 220	Practical Application of Fitness Education	3
HPER 258	Applied Anatomy, Physiology, and Human Performance	3

HPER 259	Applied Anatomy, Physiology, and Human Performance	3
HPER 285	Introduction to Adapted Physical Education	3
HPER 314	Activities for the Physical Educator	3
HPER 325	Instructional Methods in the Elementary Physical Education Classroom	3
HPER 380	Instructional Methods in Human Sexuality	3
HPER 388	Outdoor Pursuits for the Physical Educator	2
HPER 410	Organization and Administration of Physical Education and Sport	3
HPER 490	Methods of Teaching K-12 Physical Education	3

Total Credits 42

Total General Education 39 Hrs

Total Major Requirement 42 Hrs

Total Professional Education Sequence 32-33 Hrs

Total Credits Needed to Graduate 120 Hrs

Professional Education Sequence

Code	Title	Credits
Professional Education Sequence		
EDUC 240	Educating Exceptional Students	3
EDUC 250	Introduction to Education	3
EDUC 283	Understanding Cultural Diversity in Education	3
EDUC 300	Educational Technology	2
EDUC 351	Secondary Practicum and Classroom Management	1
EDUC 352	Culturally Diverse Practicum	1
or EDUC 464	Practicum in the ELL Classroom	
EDUC 375	Teaching Reading in the Content Areas	2
EDUC 400	Educational Psychology	2
EDUC 450	Trends in Assessment and Educational Issues	2
EDUC 480	Student Teaching (Secondary)	10
PSYC 250	Developmental Psychology	3
Total Credits		32

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year

Fall	Credits	Spring	Credits
English Composition (Gen Ed)	3	English Composition (Gen Ed)	3
HPER 108	1	HPER 215	3
HPER 207	2	HPER 220	3
HPER 210	1	MATH 104, 107, or 210 (Gen Ed)	3
Lab Science (Gen Ed)	4	PSYC 111 (Gen Ed)	3
Computer Science and Literacy (Gen Ed)	3	Speech Communication (Gen Ed)	3
UNIV 150	1		
Wellness (Gen Ed)	2		
17		18	

Second Year

Fall	Credits Spring		Credits
EDUC 250	3	Art and Music (Gen Ed)	3
HPER 208	3	EDUC 240	3
HPER 258	3	HPER 206	3
Lab Science (Gen Ed)	4	HPER 259	3

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Social Science (Gen Ed)	3	HPER 314	3
	16		15
Third Year			
Fall	Credits Spring		Credits
EDUC 283	3	Additional Humanities or Social Science (Gen Ed)	2
EDUC 352	1	Credits towards minor	6
HPER 285	3	EDUC 400	2
HPER 325	3	HPER 380	3
Literacies (Gen Ed)	3	HPER 388	2
		PSYC 250	3
	13		18
Fourth Year			
Fall	Credits Spring		Credits
EDUC 300	2	EDUC 480	10
EDUC 351	1		
EDUC 375	2		
HPER 410	3		
HPER 490	3		
EDUC 450	2		
	13		10
Total Credits 120			

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. The teacher candidate will be able to apply discipline-specific scientific concepts as related to the physical education major.
2. The teacher candidate will demonstrate the ability to apply the concepts of fitness into the physical education lesson.
3. The teacher candidate will demonstrate the ability to provide reasonable accommodations for students with disabilities.
4. The teacher candidate will demonstrate the ability to plan, implement, evaluate, and reflect age-appropriate physical education content in the communication of written lesson plans.
5. The teacher candidate will demonstrate the ability to effectively manage and transition in the physical education classroom.
6. The teacher candidate will demonstrate the ability to assess and provide for a safe learning environment.
7. The teacher candidate will demonstrate proficiency in first aid, CPR, and AED.
8. The teacher candidate will be able to apply discipline-specific activities as related to the physical education major.

Psychology

About this Major

The psychology major has historically been one of three social science cornerstones to a liberal arts education. Along with sociology and anthropology, it prepares individuals for a number of occupational and professional paths, ranging from graduate studies in counseling and clinical psychology to law school and the health professions. There is an increasing demand for services in areas like corrections, social work, rehabilitation, addictions, and other community and personnel services through non-profit organizations. Accommodating flexible scheduling needs of those who seek this major, courses in the psychology program are offered through a combination of traditional face-to-face and online courses. Program faculty offer a high-quality learning experience, assist in degree planning, serve as mentors, and guide advisees toward the completion of their professional goals.

Meet a Student



"The Social Science Department and the staff at VCSU have been a big part of my successful journey. They have provided me with support, guidance, a fun environment, and most importantly, hope for my future." —Marilyn Quintero, Class of 2020.

"What I have found most beneficial about the Psychology program at VCSU are the small class sizes and the relationship students are able to build with their professors. This creates a welcoming atmosphere for discussion on tough issues related to the field. Here everyone has a voice and is encouraged to use it." —Malik Jackson, Las Vegas, Nev.

Career Opportunities and Graduate School



Career opportunities for students who enter the workforce immediately after graduation include:

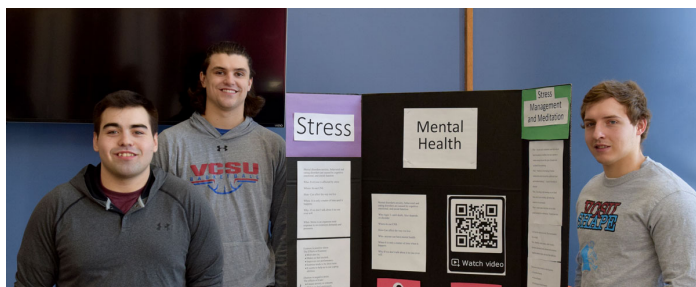
- Child welfare caseworker or case manager
- Direct care associate
- Employment counselor
- Human resources specialist
- Insurance (sales and claims representative)
- Probation officer
- Daycare provider
- Special education paraprofessional
- Many undergraduate psychology majors choose to pursue graduate education in areas including
- School counseling
- Mental health counseling
- Clinical psychology
- Marriage and family counseling
- Forensic psychology
- Social work
- Experimental psychology
- Occupational or physical therapy
- Law
- School psychology

Explore Psychology

VCSU students have many opportunities to learn more about careers and opportunities in psychology including the following organizations:

- www.careersinpsychology.org (<http://www.careersinpsychology.org>)
- www.apa.org (<https://www.apa.org/>)

Get Involved in your Major



The Human Services and Psychology Club started in 2011 and is a very active group at VCSU. Club membership is open to anyone with an interest in the fields of Psychology or Human Services. Students have a variety of events including holiday dances for individuals with intellectual disabilities, Eating Disorders Awareness Week activities, informational sessions about graduate school applications and career options, and booths in the annual VCSU Health and Wellness Fair. Students form relationships with others in their major and gain valuable skills in leadership and collaboration.

Practical Experience

Students can apply for a professional internship as part of the elective block of courses in Psychology. Credits range from three to twelve, and a wide variety of opportunities exist to match individual interests and needs with appropriate field placements. Former students have interned at state hospitals, outreach centers, police and sheriff departments, community corrections, Head Start, fire departments, and public school counseling offices.

Contact Information

Department Chair

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Faculty Contact

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Department Location

McFarland Hall 315, (701) 845-7301

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General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3

COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	
ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	
Art and Music		
Select one of the following:		3
ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	

ART 211	Art History II
ART 233	History of Craft
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 206	World Music
MUS 207	History of Rock and Roll

Social Science

Select 6 credits from the following: 6

COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

¹ Required

Major Requirements

Code	Title	Credits
Required Courses		
BIOL 221	Human Anatomy and Physiology II	4
PSYC 111	Introduction to Psychology	3
PSYC 250	Developmental Psychology	3
PSYC 330	Understanding Statistics	3
PSYC 340	Research Methods	3
PSYC 491	Capstone	1
Directed Electives		
Select 21 hours from the following:		21
PSYC 210	Intimate Partner Violence	
PSYC 310	Behavior Modification	
PSYC 350	Social Psychology	
PSYC 360	Group Dynamics	
PSYC 370	Abnormal Psychology	
PSYC 380	Human Sexuality	
PSYC 394	Independent Study	

PSYC 450	Personality Theories
PSYC 470	Counseling Theory and Practice
PSYC 480	Health Psychology
PSYC 494	Undergraduate Research
PSYC 497	Internship
PSYC 499	Special Topics
SOC 130	Introduction to Human Services
SOC 251	Introduction to Gerontology
SOC 390	Criminology and Delinquency

Total Credits 38

Criteria for Psychology Internship

The student who plans to pursue a psychology internship must meet the following criteria prior to beginning the application process:

1. Junior class status minimum for candidacy application
2. Cumulative GPA of 2.5

Total General Education 39 Hrs

Total Major Requirement 38 Hrs

Total Credits Needed to Graduate 120 Hrs

Note: This major requires a minor

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year

Fall	Credits	Spring	Credits
CIS 170 (Gen Ed)	3	Art and Music (Gen Ed)	3
ENGL 110 (Gen Ed)	3	ENGL 120 (Gen Ed)	3
HPER 100 (Gen Ed)	2	MATH 210 (Gen Ed)	3
PSYC 111 (Gen Ed)	3	PSYC 250	3
Speech Communication (Gen Ed)	3	Social Science (Gen Ed)	3
UNIV 150	1		
15		15	

Second Year

Fall	Credits	Spring	Credits
BIOL 150 (Gen Ed)	4	Additional Humanities or Social Science (Gen Ed)	2
Course in Minor Field	3	BIOL 221	4
Elective Course	3	Course in Minor Field	3
Literacies (Gen Ed)	3	PSYC 340	3
PSYC 330	3	PSYC Elective	3
16		15	

Third Year

Fall	Credits	Spring	Credits
Course in Minor Field	3	Course in Minor Field	3
Lab Science Gen Ed	4	Course in Minor Field	3
PSYC 350	3	Elective Course	3
PSYC Elective	3	PSYC Elective	3
PSYC Elective	3	PSYC Elective	3
16		15	

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Fourth Year

Fall	Credits	Spring	Credits
Course in Minor Field	3	Course in Minor Field	3
Course in Minor Field	3	Course in Minor Field	3
PSYC 491	1	Elective Course	3
PSYC Elective	3	PSYC Elective	3
PSYC Elective	3	PSYC Elective	3
13		15	

Total Credits 120

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. Knowledge Base in Psychology: Students demonstrate comprehension of the major concepts, theoretical perspectives, historical trends, and empirical findings in the field of psychology.
2. Scientific Inquiry and Critical Thinking: Students use scientific inquiry and critical thinking to study and interpret psychological phenomena.
3. Ethical and Social Responsibility in a Diverse World: Students adopt ethical standards and demonstrate social responsibility.
4. Communication: Students utilize oral, written, and interpersonal communication skills for information exchange and relationship development.
5. Professional Development: Students apply knowledge of psychology-specific content and knowledge of themselves to personal and career goals.

Social Science

About this Composite Major

The Social Science curriculum encompasses a wide range of areas: geography, political science, economics, sociology and history; all explore the ways that human beings, as societies or cultures, relate to each other and their environments and how they establish structured systems to effectively govern and administer their activities. Each of the areas has a knowledge base and a point of view that is distinctly its own, but together they form a cohesive grouping of studies designed to train students to deal with people in a wide variety of settings and to manage the problems of society. The wide variety of subject matter is designed to produce generalists who may either value their education as an end in itself, use the Social Science degree as a springboard to career placement in related fields, or who elect to pursue graduate work in a more specialized context.

Meet a Student



My time at VCSU was filled with a lot of exciting experiences. I was able to explore my passion in history by being given an opportunity to present a paper on Native American Education. I also was able to participate in several clubs, one being History Club/Phi Alpha Theta. Valley City gave me multiple opportunities to pursue my passion to become a teacher. VCSU did not only help me grow in my education, I was also able to grow as a person.
- Kylie Johnson '20, West Fargo, ND

Career Opportunities



Career opportunities for individuals with a Social Science degree include

- Law
- Government service
- Museum work
- Archivist
- Broadcasting
- Campaign worker
- Consultant
- Editor
- Foreign service officer
- Intelligence agent
- Journalist
- Researcher

Explore Social Science

There are multiple places to find career and volunteer opportunities related to social sciences. Explore some of those opportunities here:

- www.ssrc.org/ (<http://www.ssrc.org/>)
- [www.careers.state.gov](https://careers.state.gov/) (<https://careers.state.gov/>)
- www.historians.org (<http://www.historians.org/>)
- www.archivists.org (<http://www.archivists.org/>)

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Get Involved in your Major



VCSU has an active Phi Alpha Theta/History Club, allowing students to develop leadership skills and promote history across campus. Students have opportunities to present their research at the Dakota History Conference and the Northern Great Plains History Conference, in regional, professional history settings. The Social Science Department also periodically organizes overseas travel opportunities for VCSU students.

Practical Experience

You are encouraged to earn credits by extending your learning beyond the classroom. The Barnes County Historical Museum gives students the opportunities for practical, hands-on experience, archives for research, and community involvement. Both behavioral science and business internships are available if you lack previous employment experience. You may earn credit in an internship program that provides supervised training in regional areas.

Contact Information

Department Chair

Dr. Emily Fenster, emily.fenster@vcsu.edu, (701) 845-7313

Faculty Contact

Dr. Steven King, steven.king@vcsu.edu, (701) 845-7108

Department Location

McFarland Hall 315, (701) 845-7301

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	

or

ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	
ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	

Art and Music

Select one of the following: 3

ART 110	Introduction to the Visual Arts
ART 115	Introduction to Digital Media
ART 210	Art History I
ART 211	Art History II
ART 233	History of Craft
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 206	World Music
MUS 207	History of Rock and Roll

Social Science

Select 6 credits from the following: 6

COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

Major Requirements

Code **Title** **Credits**

Required Courses

Economics Courses

Select two of the following: 6

ECON 201	Principles of Microeconomics ¹
	or ECON 202 Principles of Macroeconomics
ECON 345	International Political Economy
ECON 460	The Atlantic World

Geography Courses

Select 6 hours from the following: 6

GEOG 100	Introduction to Earth Science
GEOG 111	Survey of Geography
GEOG 151	Human Geography ¹
GEOG 300	Environmental Earth Science

GEOG 320	Applied Geography Workshop
GEOG 325	History and Geography of England and Britain
GEOG 362	Geography of North America
GEOG 394	Independent Study
GEOG 460	The Atlantic World
GEOG 492	Field Experience in Geography

History Courses

Select 6 hours from the following: 6

HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 325	History and Geography of England and Britain
HIST 458	The World Wars: 1914-1945
HIST 460	The Atlantic World

Political Science Courses

Select 6 hours from the following: 6

POLS 115	American National Government ¹
POLS 116	State and Local Government
POLS 340	Research Methods
POLS 375	U.S. Constitution: Federalism
POLS 376	U.S. Constitution: Civil Liberties
POLS 380	The American Presidency
POLS 420	Comparative Politics
POLS 425	International Relations

Psychology Courses

Select 6 hours from the following: 6

PSYC 111	Introduction to Psychology
PSYC 240	Cognition and Brain Science
PSYC 250	Developmental Psychology
PSYC 350	Social Psychology
PSYC 360	Group Dynamics
PSYC 370	Abnormal Psychology
PSYC 380	Human Sexuality
PSYC 450	Personality Theories

Sociology Courses

Select 6 hours from the following: 6

SOC 110	Introduction to Sociology ¹
SOC 111	Introduction to Anthropology
SOC 220	The Family
SOC 251	Introduction to Gerontology
SOC 300	Race, Ethnic, and Gender Relations
SOC 340	Research Methods
SOC 350	Social Psychology
SOC 390	Criminology and Delinquency
SOC 422	Social Science Theory

Concentration

Students complete 18 additional credits in one of the following 18
areas: History, Political Science, Psychology, or Sociology.

HIST 491	Senior Capstone	1
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Total Credits 55

¹ Required

Total General Education 39 Hrs

Total Major Requirement 55 Hrs

Total Credits Needed to Graduate 120 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

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Plan of Study

First Year

Fall	Credits	Spring	Credits
CIS 170 (Gen Ed)	3	Concentration or Related Field or Cultural Block	3
COMM 212 (Gen Ed)	3	ENGL 120 (Gen Ed)	3
ENGL 110 (Gen Ed)	3	HIST 104 or 212 (Gen Ed)	3
MATH 210 (Gen Ed)	3	HPER 100 (Gen Ed)	2
POLS 115	3	Lab Science (Gen Ed)	4
UNIV 150	1		
	16		15

Second Year

Fall	Credits	Spring	Credits
Concentration or Related Field or Cultural Block	3	Art and Music (Gen Ed)	3
Lab Science (Gen Ed)	4	Concentration or Related Field or Cultural Block	3
Literacies (Gen Ed)	3	ECON 201 or 202	3
PSYC 111 (Gen Ed)	3	GEOG 111 (Gen Ed)	3
SOC 110	3	History 300-level course	3
		PSYC 250	3
	16		18

Third Year

Fall	Credits	Spring	Credits
Concentration/Related Field or Cultural Block	3	Concentration or Related Field or Cultural Block	3
Elective	3	Concentration or Related Field or Cultural Block	3
GEOG 151	3	ECON 300-level course	3
Geog 300-level course	3	Elective	3
HIST 300-level course	3	PSYC 300-level course	3
	15		15

Fourth Year

Fall	Credits	Spring	Credits
Concentration or Related Field or Cultural Block	3	Concentration or Related Field or Cultural Block	3
Concentration or Related Field or Cultural Block	3	Concentration or Related Field or Cultural Block	3
Elective	3	Concentration or Related Field or Cultural Block	3
POLS 300-level course	3	HIST 491	1
SOC 300-level course	3	Internship	2
	15		12

Total Credits 122

2. Social theory: Students will develop an understanding of the philosophies, methodologies, and theories that define, give meaning to, and shape scholarly understanding of the social sciences. Social theory will be demonstrated through thesis driven research that applies relevant theories or methodologies to historical writing.
3. Application: Students will demonstrate their content knowledge and understanding of social theory and use them in a manner that illustrates that they can apply it in real world experiences.

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. Content: Students will accumulate knowledge and understanding of the necessary material to establish historical context and causality. Content will be demonstrated by thesis driven, evidence based responses to historical scenarios.

Social Science Education

About this Composite Major

The curriculum for a Social Science Education major is designed to enhance your understanding and interest in professional education within the Social Science area as well as to produce a Social Science professional who is a knowledge-based decision-maker. The curriculum encompasses a wide range of areas: geography, political science, economics, sociology, anthropology, and history; all explore the ways that human beings, as societies or cultures, relate to each other and their environments and how they establish structured systems to effectively govern and administer their activities. Each area has a distinct knowledge base and point of view that collectively form a cohesive grouping of studies designed to train students to deal with people in a wide variety of settings and help manage the problems of society.

Meet a Student



"Coming into VCSU I was undecided but knew I had an interest in education. During my freshman year I declared my major as History Education and later found out about the Social Science Education major, which I transferred to my sophomore year. The Social Science Education major provides a broader study of the social sciences and allows me as a future educator to teach more subjects and topics within Social Studies. My classes range from history, political science, geography, economics, and sociology under the composite major. The Social Science Education major allows the opportunity to explore all areas which greatly appealed to me." - Alyssa Ames, Northwood, N.D., Social Science Education student

"The online History Education program at VCSU is excellent. My advisor supported me throughout my time in the

program, and the professors that I took classes with were very helpful and always available when needed. My time in the History Education program has been a positive experience. I received a high-quality education that pushed me to grow academically, as well as prepared me to go into the classroom successfully." - Christine Fandrich '21

"The VCSU Social Science Department truly prepared me to excel in the classroom during my student teaching experience. Because of the department's guidance and command of the subject matter, I entered the school confident in my teaching abilities. The professors not only taught us content, but also strategies to implement to teach the social sciences in an informative and engaging way. I feel very grateful to have learned from the professors I did, and very satisfied about my teaching style that was cultivated due, in part, to this program." —Scott Westby '15, Sheyenne, N.D.

Hands-On Experiences



The Barnes County Historical Museum gives students the opportunities for practical, hands-on experience, archives for research, and community involvement. In comparison to the History Education degree, Social Science Education is broader in coursework, preparing students to meet more diverse needs. Job opportunities in this field of education are currently very strong, and most of our graduates readily find teaching positions.

Explore Social Science

- www.ssrc.org/ (<http://www.ssrc.org/>)
- www.historians.org (<http://www.historians.org/>)
- www.archivists.org (<http://www.archivists.org/>)

Accreditations

- Council for the Accreditation of Educator Preparation (CAEP)

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Get Involved in your Major



VCSU has an active Phi Alpha Theta/History Club, allowing students to develop leadership skills and promote history across campus. Students have opportunities to present their research at the Dakota History Conference and the Northern Great Plains History Conference, in regional, professional history settings. The Social Science Department also periodically organizes overseas travel opportunities for VCSU students.

Teacher Education Requirements

Students are typically admitted into Teacher Education during their sophomore year or beginning of their junior year of college. This program requires a minimum cumulative GPA of 2.75 or higher and successful completion of the Praxis I test. Additional criteria for Admission to Teacher Education can be found at the following website: www.onestop.vcsu.edu (<https://onestop.vcsu.edu/support/solutions/articles/10000052001-teacher-education/>).

Practical Experience

As a Social Science Education major you are placed into schools for a series of field experiences including Introduction to Education (40 hours); Practicum (80 hours); Culturally Diverse Practicum (25 hours involving 3 consecutive full days in a classroom), and a twelve-week student teaching field experience completed in a location that works well for the student and university. Student teaching is the culminating experience of the program and the opportunity for students to apply all they have learned regarding their classroom preparation and field experience opportunities.

Contact Information

Department Chair

Dr. Emily Fenster, emily.fenster@vcsu.edu, (701) 845-7313

Faculty Contact

Dr. Steven King, steven.king@vcsu.edu, (701) 845-7108

Department Location

McFarland Hall 315, (701) 845-7301

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<http://visit.vcsu.edu/>

(701) 845-7101 or (800) 532-8641, ext. 7101

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
or ENGL 12!	Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
or ENGL 12!	Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

ENGL 261	American Literature I
ENGL 262	American Literature II
HUM 201	Civilization, Thought, and Literary Heritage
PSYC 200	Ethics and Philosophy of Science
SPAN 101	1st Year Spanish I
SPAN 102	1st Year Spanish II
SPAN 201	2nd Year Spanish I
SPAN 202	2nd Year Spanish II
THEA 110	Introduction to Theatre Arts

Art and Music		
Select one of the following:		3
ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 206	World Music	
MUS 207	History of Rock and Roll	

Social Science		
Select 6 credits from the following:		6
COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
GEOG 151	Human Geography	
HIST 103	United States to 1877	
HIST 104	United States to Present	
HIST 211	World Civilizations to 1500	
HIST 212	World Civilizations since 1500	
HIST 267	Environmental History	
HIST 270	Native American Studies	
POLS 115	American National Government	
POLS 116	State and Local Government	
PSYC 111	Introduction to Psychology	
SOC 110	Introduction to Sociology	
SOC 111	Introduction to Anthropology	

Additional Humanities or Social Science		
Select one additional course from Humanities or Social Science or select from the following:		2
ART 122	Two-Dimensional Design	
ART 130	Drawing I	
ART 150	Ceramics I	
ART 180	Photography I	
GEOG 111	Survey of Geography	
MUS 104	Group Piano for Non-Majors	
MUS 105	Group Piano for Non-Majors	
MUS 130	Valkyries	
MUS 131	Concert Choir	
MUS 140	Athletic Band	
MUS 141	Concert Band	
PHYS 275	Planetarium Science	
THEA 201	Theatre Practicum	

Total Credits 39

Major Requirements

Code	Title	Credits
Required Courses		
HIST 490	Methods of Teaching Social Science	3
HIST 491	Senior Capstone	1
History Courses		
HIST 103	United States to 1877 ¹	3

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HIST 104	United States to Present ¹	3
HIST 211	World Civilizations to 1500	3
HIST 212	World Civilizations since 1500	3
HIST 220	North Dakota History	3
HIST 400	Historiography	3
HIST 470	Topics in Non-Western History	3

Economics Courses

Select 12 hours from the following:		12
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
ECON 345	International Political Economy	
ECON 460	The Atlantic World	

Geography Courses

Select 12 hours from the following:		12
GEOG 100	Introduction to Earth Science	
GEOG 111	Survey of Geography	
GEOG 151	Human Geography ¹	
GEOG 300	Environmental Earth Science	
GEOG 320	Applied Geography Workshop	
GEOG 325	History and Geography of England and Britain	
GEOG 362	Geography of North America	
GEOG 394	Independent Study	
GEOG 399	Special Topics	
GEOG 460	The Atlantic World	
GEOG 492	Field Experience in Geography	

Political Science Courses

Select 12 hours from the following:		12
POLS 115	American National Government ¹	
POLS 116	State and Local Government ¹	
POLS 340	Research Methods	
POLS 375	U.S. Constitution: Federalism	
POLS 376	U.S. Constitution: Civil Liberties	
POLS 380	The American Presidency	
POLS 420	Comparative Politics	
POLS 425	International Relations	

Psychology/Sociology Courses

Select 6 hours from the following:		6
PSYC 310	Behavior Modification	
PSYC 350	Social Psychology	
SOC 220	The Family	
SOC 300	Race, Ethnic, and Gender Relations	

Total Credits 67

¹ Required

Total General Education 39 Hrs

Total Major Requirement 67 Hrs

Total Professional Education Sequence 32-33 Hrs

Total Credits Needed to Graduate 138 Hrs

Professional Education Sequence

Code	Title	Credits
Professional Education Sequence		
EDUC 240	Educating Exceptional Students	3
EDUC 250	Introduction to Education	3
EDUC 283	Understanding Cultural Diversity in Education	3
EDUC 300	Educational Technology	2
EDUC 351	Secondary Practicum and Classroom Management	1
EDUC 352	Culturally Diverse Practicum	1
or EDUC 464	Practicum in the ELL Classroom	
EDUC 375	Teaching Reading in the Content Areas	2
EDUC 400	Educational Psychology	2

EDUC 450	Trends in Assessment and Educational Issues	2
EDUC 480	Student Teaching (Secondary)	10
PSYC 250	Developmental Psychology	3
Total Credits		32

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year

Fall	Credits	Spring	Credits
CIS 170 (Gen Ed)	3	ENGL 120 (Gen Ed)	3
COMM 212 (Gen Ed)	3	GEOG 151	3
ENGL 110 (Gen Ed)	3	HIST 104	3
HIST 103	3	HIST 267 (Gen Ed)	3
MATH 210 (Gen Ed)	3	HPER 100 (Gen Ed)	2
POLS 115	3	Lab Science (Gen Ed)	4
UNIV 150	1		
19		18	

Second Year

Fall	Credits	Spring	Credits
EDUC 250	3	ECON 202	3
ECON 201	3	ECON 460	3
HIST 211	3	EDUC 283	3
Lab Science (Gen Ed)	4	GEOG 111	3
POLS 116	3	HIST 212	3
PSYC 111 (Gen Ed)	3	PSYC 250	3
19		18	

Third Year

Fall	Credits	Spring	Credits
Art and Music (Gen Ed)	3	EDUC 240	3
EDUC 300	2	EDUC 450	2
HIST 470	3	GEOG 325	3
Literacies (Gen Ed)	3	GEOG 362	3
POLS 376	3	GEOG 460	3
POLS 425	3	HIST 220	3
17		17	

Fourth Year

Fall	Credits	Spring	Credits
EDUC 351	1	EDUC 480	10
EDUC 352	1	HIST 491	1
EDUC 375	2		
HIST 400	3		
HIST 490	3		
PSYC 330	3		
SOC 300	3		
EDUC 400	2		
18		11	

Total Credits 137

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. Content: Students will accumulate knowledge and understanding of the necessary material to establish historical context and causality. Content will be demonstrated by thesis driven, evidence based responses to historical scenarios.
2. Social theory: Students will develop an understanding of the philosophies, methodologies, and theories that define, give meaning to, and shape scholarly understanding of the social sciences. Social theory will be demonstrated through thesis driven research that applies relevant theories or methodologies to historical writing.
3. Application: Students will demonstrate their content knowledge and understanding of social theory and use them in a manner that illustrates that they can apply it in real world experiences.

Software Engineering

About this Composite Major



Software Engineering (SE) is all around us. The IT industry is a diverse field impacting virtually every business—from the service industry and technology companies to manufacturing specialists and health care professionals within large companies and small businesses. VCSU's Software Engineering, the first major of its kind in the North Dakota University System, prepares students with problem solving skills required to create software solutions to meet the needs of employers.

The CSSE Department has joined in Academic Alliances with technology companies such as SAP, Microsoft, and Salesforce, using these technologies to complete hands-on projects. Students often work in teams to encourage the learning of group dynamics and soft-skills. Nontraditional IT majors may be interested in Software Engineering because of the inclusion of humanistic issues such as project management, requirements gathering, and human computer interaction. Software Engineering majors learn to create software from start to finish. They learn to ask questions to understand problems, design software to solve those problems, build and test the software, and implement the solution. Various courses contribute to this learning.

Visit our page at csse.vcsu.edu (<http://csse.vcsu.edu/>). Let your dream become a reality at Valley City State University!

Meet a student



"The CSSE department and VCSU career services really does a phenomenal job in helping a student who wants to be proactive in the career search. I already have a job lined up for after graduation. I give all the credit to my department and career services for helping me achieve this. My vision and career goals are pretty simple after - excel with any assignment I am given and take any opportunity that comes my way." - Connor Aanderud, Software Engineering student

"When I started the Software Engineering program at VCSU, I did not know anything about programming or management. The SE program taught me how to program while also teaching me how to manage and be managed as a software engineer. With this experience I will eventually be able to become an expert in my field." Benjamin Kietzman '20, Edgeley, ND

Career Opportunities



Students with an SE degree can become:

- Software engineers
- Software developers
- Software architects
- IT project managers
- Business analysts
- Systems analysts
- Cyber security managers

Practical Experience



Students are encouraged to complete internship credits and count those credits towards their Software Engineering major. VCSU students have completed successful internships with companies including:

- Doosan
- Blue Cross Blue Shield of North Dakota

- Bobcat
- NASA
- Thomson Reuters
- Cavendish
- John Deere
- Microsoft
- Appareo Systems
- NBC Universal
- North Dakota Information Technology Department.

VCSU students develop excellent technology and soft skills and many are hired into full-time positions with these companies after graduation.

In addition to internships, cooperative research projects with faculty give students first-hand experience with advanced research techniques. The undergraduate research ranges from Virtual Reality to the Internet of Things. Students also bring together their skills and knowledge in the capstone course where they typically work in a student-led team with stakeholders outside of the classroom to complete a project that is technical in nature.

Contact Information

Department Chair and Faculty Contact

Susan Pfeifer, susan.pfeifer@vcsu.edu, (701) 845-7719

Department Location

McFarland Hall 138, (701) 845-7550

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General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
or ENGL 12!	Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
or ENGL 12!	Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java ¹	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	
Art and Music		
Select one of the following:		3
ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 206	World Music	
MUS 207	History of Rock and Roll	
Social Science		
Select 6 credits from the following:		6
COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics ¹	
ECON 202	Principles of Macroeconomics	
GEOG 151	Human Geography	
HIST 103	United States to 1877	
HIST 104	United States to Present	
HIST 211	World Civilizations to 1500	
HIST 212	World Civilizations since 1500	
HIST 267	Environmental History	
HIST 270	Native American Studies	
POLS 115	American National Government	
POLS 116	State and Local Government	
PSYC 111	Introduction to Psychology ¹	
SOC 110	Introduction to Sociology	
SOC 111	Introduction to Anthropology	
Additional Humanities or Social Science		
Select one additional course from Humanities or Social Science		2
or select from the following:		
ART 122	Two-Dimensional Design	
ART 130	Drawing I	
ART 150	Ceramics I	
ART 180	Photography I	
GEOG 111	Survey of Geography	
MUS 104	Group Piano for Non-Majors	
MUS 105	Group Piano for Non-Majors	
MUS 130	Valkyries	
MUS 131	Concert Choir	
MUS 140	Athletic Band	
MUS 141	Concert Band	
PHYS 275	Planetarium Science	
THEA 201	Theatre Practicum	
Total Credits		39

¹ Required

Major Requirements

Code	Title	Credits
Required Courses		
CIS 147	Principles of Information Security	3

COMM 360	Group Dynamics	3
CSCI 160	Introduction to Structured Programming I	3
CSCI 161	Introduction to Structured Programming II	3
MATH 208	Discrete Mathematics	3
MATH 321	Applied Probability and Statistics	3
SE 110	Discovering Computing	3
SE 201	Introduction to Software Engineering	3
SE 211	Software Construction	3
SE 212	Software Engineering Approach to Human Computer Interaction	3
SE 242	Data Structures	3
SE 311	Software Design and Architecture	3
SE 321	Software Quality Assurance and Testing	3
SE 380	Systems Analysis and Design	3
SE 381	Project Management	3
SE 385	Database Theory/Design	3
SE 370	Computer Organization & Systems	3
SE 379	Social Implications of Computers	3
SE 480	Capstone	3

Directed Electives

Select one of the following options: 12

Option 1: Enterprise Systems Cognate

CIS 369	Enterprise Systems
CIS 371	Enterprise Systems II
CIS 475	Integration of Business Processes in SAP ERP

Option 2: Science Cognate

12 credits of major only science courses and approval from advisor. Possible options include:

BIOL 150	General Biology I
BIOL 151	General Biology II
BIOL 170	General Zoology
PHYS 251	University Physics I
PHYS 252	University Physics II
PHYS 294	Independent Study
PHYS 494	Undergraduate Research

Option 3: Internships

12 credits of internship may be chosen.

SE 497	Internship
Additional specialties may be chosen with advisor approval. Please consult with your advisor.	

Total Credits 69

Total General Education 39 Hrs

Total Major Requirement 69 Hrs

Total Credits Needed to Graduate 120 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year

Fall	Credits	Spring	Credits
ENGL 110 (Gen Ed)	3	CIS 147	3
Lab Science (Gen Ed)	4	CSCI 160	3
MATH 104 (Gen Ed)	3	ENGL 125 (Gen Ed)	3
SE 110	3	Lab Science (Gen Ed)	4
UNIV 150	1	Speech Communication (Gen Ed)	3
	14		16

Second Year

Fall	Credits	Spring	Credits
CSCI 127 (Gen Ed)	3	HPER 100 (Gen Ed)	2

CSCI 161	3	PSYC 111 (Gen Ed)	3
Literacies (Gen Ed)	3	SE 211	3
MATH 208	3	SE 212	3
SE 201	3	SE 242	3
		Additional Humanities and Social Science (Gen Ed)	2

15

16

Third Year

Fall	Credits	Spring	Credits
SE 311	3	ECON 201 (Gen Ed)	3
SE 385	3	SE 321	3
COMM 360	3	SE 379	3
Directed Elective	3	SE 381	3
Elective	3	Directed Elective	3

15

15

Fourth Year

Fall	Credits	Spring	Credits
SE 370	3	SE 480	3
SE 380	3	MATH 321	3
Art and Music (Gen Ed)	3	Directed Elective	3
Directed Elective	3	Elective	3
Elective	3	Elective	3

15

15

Total Credits 121

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. Effectively understand requirements, design solutions, and develop software (follow software engineering principles) to successfully implement software for various domains.
2. Think creatively, outside of the box, while designing solutions for unique problems.
3. Communicate effectively with stakeholders during all phases of a project.
4. Manage small, simple projects and work in high performing teams to complete projects successfully.

Spanish

About this Major



The Spanish degree involves the completion of three specific components:

- the General Education Core required of all VCSU graduates;
- a mix of required and elective courses in the major, including travel abroad, that helps students reach cultural and language fluency;
- and a minor in a related area of the student's choice.

Students work closely with Spanish faculty to determine which General Education courses best fit their interests and future plans, as well as which electives might suit them best term by term. This program is designed specifically to help students find the right mix of courses for both their present desires and future needs, all with the help of an advisor who thoroughly knows the language and the program.

Career Opportunities

Since Spanish majors develop strong critical thinking skills in the process of achieving fluency in the language, the degree can be used in a variety of occupations involving close work with Spanish-speaking populations, including:

- Journalism
- Law
- Medicine
- Counseling
- Social work
- Human services
- Advertising
- Marketing
- Management positions
- Government
- Translation work

Travel Abroad



Travel abroad terms immerse future graduates in the social, civic, and academic life internationally. These trips are a huge value-added component of the Spanish major. VCSU has a Global Exploration club that has made numerous trips abroad. These trips allow students to work on their language skills, expand their cultural understanding, and volunteer. In short, studying Spanish is fun, demanding, and rewarding, and we're committed to helping our majors fully reap the benefits of their labor.

Get Involved in your Major

Spanish Club — A lively group of majors, minors, and aficionados, Club Espanol brings Spanish-language experiences to campus as well as hitting the road to find them.



The Forge — The campus literary and arts journal hosted by the Language and Literature Department, *The Forge* is fully staffed by students and publishes original student work on an annual basis.



Contact Information

Department Chair

Jodi Shorma, jodi.shorma@vcsu.edu, (701) 845-7231

Faculty Contact

Luis Betancur, luis.betancur@vcsu.edu, (701) 845-7791

Department Location

McFarland Hall 315, (701) 845-7301

Schedule your visit today!

<http://visit.vcsu.edu/>, (701) 845-7101 or (800) 532-8641, ext. 7101

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	

or ENGL 12!Introduction to Professional Writing		
or		
ENGL 120	College Composition II	
or ENGL 12!Introduction to Professional Writing		
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	
ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	

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SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	
Art and Music		
Select one of the following:		3
ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 206	World Music	
MUS 207	History of Rock and Roll	
Social Science		
Select 6 credits from the following:		6
COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
GEOG 151	Human Geography	
HIST 103	United States to 1877	
HIST 104	United States to Present	
HIST 211	World Civilizations to 1500	
HIST 212	World Civilizations since 1500	
HIST 267	Environmental History	
HIST 270	Native American Studies	
POLS 115	American National Government	
POLS 116	State and Local Government	
PSYC 111	Introduction to Psychology	
SOC 110	Introduction to Sociology	
SOC 111	Introduction to Anthropology	
Additional Humanities or Social Science		
Select one additional course from Humanities or Social Science or select from the following:		2
ART 122	Two-Dimensional Design	
ART 130	Drawing I	
ART 150	Ceramics I	
ART 180	Photography I	
GEOG 111	Survey of Geography	
MUS 104	Group Piano for Non-Majors	
MUS 105	Group Piano for Non-Majors	
MUS 130	Valkyries	
MUS 131	Concert Choir	
MUS 140	Athletic Band	
MUS 141	Concert Band	
PHYS 275	Planetarium Science	
THEA 201	Theatre Practicum	
Total Credits		39

Major Requirements

Code	Title	Credits
Required Courses		
SPAN 101	1st Year Spanish I	3
SPAN 102	1st Year Spanish II	3
SPAN 201	2nd Year Spanish I	3
SPAN 202	2nd Year Spanish II	3
SPAN 215	Spanish Conversation	3
SPAN 220	Introduction to Hispanic Literature & Culture	3
SPAN 251	Spanish Grammar and Composition	3
SPAN 350	Hispanic Culture and Civilization	3
SPAN 391	Global Seminar	2
SPAN 396	Travel to a Spanish Speaking Country	2
SPAN 415	Advanced Spanish Conversation	3

SPAN 420	Readings in Hispanic Literature	3
SPAN 497	Internship	3
Total Credits		37

Total General Education 39 Hrs
Total Major Requirement 37 Hrs
Total Credits Needed to Graduate 120 Hrs

Note: This major requires a minor

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year			
Fall	Credits Spring		Credits
SPAN 101	3	SPAN 102	3
ENGL 110 (Gen Ed)	3	ENGL 120 (Gen Ed)	3
CIS 170 (Gen Ed)	3	HPER 100	2
Lab Science Elective	4	Lab Science Elective	4
UNIV 150	1	Mathematics Elective	3
14		15	
Second Year			
Fall	Credits Spring		Credits
SPAN 201	3	SPAN 202	3
Social Science Elective	3	SPAN 215	3
Literacies Elective	3	Art and Music Elective	3
Speech Communication Elective	3	Social Science Elective	3
Minor Elective	3	Minor Elective	3
15		15	
Third Year			
Fall	Credits Spring		Credits
SPAN 220	3	SPAN 415	3
SPAN 251	3	Additional Humanities or Social Science Elective	2
Social Sciences Elective	3	Minor Elective	3
Minor Elective	3	Minor Elective	3
Minor Elective	3	Minor Elective	3
15		14	
Fourth Year			
Fall	Credits Spring		Credits
SPAN 420	3	SPAN 396	2
SPAN 391	2	SPAN 497	3-12
Minor Elective	3	Minor Elective	3
Minor Elective	3	Minor Elective	3
Minor Elective	3		
14		11-20	
Total Credits 113-122			

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. Possess strong reading and writing skills in comprehending, interpreting, and producing texts in Spanish
2. Be capable speakers and listeners of Spanish
3. Evidence understanding of Spanish and Hispanic histories and cultures
4. Develop an awareness of how language impacts culture and how culture impacts language

Spanish Education

About this Composite Major

The Spanish Education degree involves the completion of three specific components:

- the General Education Core required of all VCSU graduates;
- a mix of required and elective courses in the major, including travel abroad, that helps students reach cultural and language fluency;
- and courses in the Professional Education Sequence which prepare students for both the certification exams required for teacher licensure and for the demands of their future classrooms.

Students work closely with Spanish faculty to determine which General Education courses best fit their interests and future plans, as well as which electives might suit them best term by term. Our program is designed specifically to help students find the right mix of courses for both their present desires and future needs, all with the help of an advisor who thoroughly knows the language and the program.

Travel Abroad



Travel abroad terms immerse future graduates in the social, civic, and academic life internationally. These travel opportunities are a significant value-added component of the major. Studying Spanish is fun, demanding, and rewarding, and VCSU faculty are committed to helping our majors fully reap the benefits of their study.

Career Opportunities



Obviously, most Spanish Education students aim to teach. However, since Spanish Education majors develop strong critical thinking skills in the process of achieving fluency in the language, the degree can also be used in a variety of occupations involving close work with Spanish-speaking populations, including:

- Journalism
- Law
- Medicine
- Counseling
- Social work
- Human services
- Advertising
- Marketing
- Management positions
- Government
- Translation work

Get Involved in your Major

Spanish Club — A lively group of majors, minors, and aficionados, Club Espanol brings Spanish-language experiences to campus as well as hitting the road to find them.



The Forge — The campus literary and arts journal hosted by the Language and Literature Department, *The Forge* is fully staffed by students and publishes original student work on an annual basis.



Contact Information

Department Chair

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General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	

or ENGL 12!Introduction to Professional Writing		
or		
ENGL 120	College Composition II	
or ENGL 12!Introduction to Professional Writing		
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	
ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	

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SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	

Art and Music

Select one of the following:		3
ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 206	World Music	
MUS 207	History of Rock and Roll	

Social Science

Select 6 credits from the following:		6
COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
GEOG 151	Human Geography	
HIST 103	United States to 1877	
HIST 104	United States to Present	
HIST 211	World Civilizations to 1500	
HIST 212	World Civilizations since 1500	
HIST 267	Environmental History	
HIST 270	Native American Studies	
POLS 115	American National Government	
POLS 116	State and Local Government	
PSYC 111	Introduction to Psychology	
SOC 110	Introduction to Sociology	
SOC 111	Introduction to Anthropology	

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science		2
or select from the following:		

ART 122	Two-Dimensional Design	
ART 130	Drawing I	
ART 150	Ceramics I	
ART 180	Photography I	
GEOG 111	Survey of Geography	
MUS 104	Group Piano for Non-Majors	
MUS 105	Group Piano for Non-Majors	
MUS 130	Valkyries	
MUS 131	Concert Choir	
MUS 140	Athletic Band	
MUS 141	Concert Band	
PHYS 275	Planetarium Science	
THEA 201	Theatre Practicum	

Total Credits		39
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Major Requirements

Code	Title	Credits
SPAN 101	1st Year Spanish I	3
SPAN 102	1st Year Spanish II	3
SPAN 201	2nd Year Spanish I	3
SPAN 202	2nd Year Spanish II	3
SPAN 215	Spanish Conversation	3
SPAN 220	Introduction to Hispanic Literature & Culture	3
SPAN 251	Spanish Grammar and Composition	3
SPAN 350	Hispanic Culture and Civilization	3
SPAN 391	Global Seminar	2
SPAN 396	Travel to a Spanish Speaking Country	2
SPAN 415	Advanced Spanish Conversation	3
SPAN 420	Readings in Hispanic Literature	3

SPAN 490	Methods of Teaching Spanish	3
Total Credits		37

Total General Education 39 Hrs

Total Major Requirement 37 Hrs

Total Professional Education Sequence 32-33 Hrs

Total Credits Needed to Graduate 120 Hrs

Professional Education Sequence

Code	Title	Credits
Professional Education Sequence		
EDUC 240	Educating Exceptional Students	3
EDUC 250	Introduction to Education	3
EDUC 283	Understanding Cultural Diversity in Education	3
EDUC 300	Educational Technology	2
EDUC 351	Secondary Practicum and Classroom Management	1
EDUC 352	Culturally Diverse Practicum	1
or EDUC 464	Practicum in the ELL Classroom	
EDUC 375	Teaching Reading in the Content Areas	2
EDUC 400	Educational Psychology	2
EDUC 450	Trends in Assessment and Educational Issues	2
EDUC 480	Student Teaching (Secondary)	10
PSYC 250	Developmental Psychology	3
Total Credits		32

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year

Fall	Credits	Spring	Credits
SPAN 101	3	SPAN 102	3
ENGL 110 (Gen Ed)	3	ENGL 120 (Gen Ed)	3
CIS 170 (Gen Ed)	3	COMM 110 (Gen Ed)	3
HPER 100 (Gen Ed)	2	PSYC 111 (Gen Ed)	3
UNIV 150	1	Lab Science (Gen Ed)	4
Lab Science (Gen Ed)	4		
16		16	

Second Year

Fall	Credits	Spring	Credits
SPAN 201	3	SPAN 202	3
EDUC 250	3	SPAN 215	3
Literacies (Gen Ed)	3	ENGL 213	1
Social Sciences (Gen Ed)	3	EDUC 240	3
Mathematics (Gen Ed)	3	EDUC 283	3
		Art or Music (Gen Ed)	3
15		16	

Third Year

Fall	Credits	Spring	Credits
SPAN 220	3	SPAN 396	2
SPAN 251	3	SPAN 415	3
SPAN 391	2	EDUC 300	2
PSYC 250	3	EDUC 375	2
EDUC 352	1	Elective	3

Additional Humanities or Social Science (Gen Ed)	2	Elective	3
	14		15
Fourth Year			
Fall	Credits Spring		Credits
SPAN 420	3	EDUC 480	10
SPAN 490	3	Elective	3
EDUC 400	2		
EDUC 450	2		
EDUC 351	1		
Elective	3		
	14		13
Total Credits 119			

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. Possess strong reading and writing skills in comprehending, interpreting, and producing texts in Spanish
2. Be capable speakers and listeners of Spanish
3. Evidence understanding of Spanish and Hispanic histories and cultures
4. Develop an awareness of how language impacts culture and how culture impacts language

Sport Leadership and Management

About this Composite Major

The Sport Leadership and Management major is primarily designed to prepare students for careers in these growing and exciting industries. The program is housed in the Gaukler Family Health, Wellness, and Physical Education Center. The curriculum provides a foundation in both sport and business. Students develop leadership skills along with planning, and management of sport and recreation-related services. One unique aspect of this program is the numerous student led field experience possibilities where students are mentored by professionals in their field of choice. Possible field experience locations include the Valley City Parks and Recreation Department, Gaukler Wellness Center, VCSU Sports Information, VCSU Athletics and Valley City High School. Through these experiences, students develop a knowledge base appropriate for careers in athletic administration, facility management, intercollegiate coaching, recreation leadership, sport administration, sport management, and other sport-related fields.



Meet a Student

"The Exercise Science Club provides students in the strength and conditioning, exercise science, and wellness fields opportunities to discuss current topics in the profession. Students in this major are also encouraged to attend local conferences led by professionals who are recognized in the area of sports performance."

Spencer Aune, Recreation Supervisor, Bismarck Parks and Recreation District-May 2018

"What I have loved about the Sports Management program at VCSU is how supportive the professors and advisors are. They truly want to see you succeed not only in the classroom but in the field as well. The program has not only taught me about business and analytical training but also the importance of leadership and how to apply these skills in a professional/amateur sports setting."

Bayli Heap, Nephi, Utah



"VCSU has prepared me for real-world situations. Moving from Arkansas to North Dakota has been an adjustment, but for the type of work I'm considering being adaptable is important, especially if I plan to coach on the collegiate level for a few years. It's also shown me the importance of creating relationships with individuals and getting out of my comfort zone. I plan to stay on the college level as a coach for a few years to continue to learn and grow as a coach. I eventually want to transition to a high school football coach and teach. I would love to coach at my high school in the future someday."

-Dalvin Simmons, Little Rock, Arkansas



Get Involved in your Major

The Exercise Science Club provides students in the fitness, exercise science, and wellness fields opportunities to discuss current topics in the profession and provide community outreach programs.



Department Location

Gaukler Family Wellness & Physical Education Center, 149,
(701) 845-7580

Schedule your visit today!

<http://visit.vcsu.edu/>

(701) 845-7101 or (800) 532-8641, ext. 7101

Career Opportunities

There are multiple career opportunities with a degree in Sport Leadership and Management including:

- Agent or Business Manager for Athletes, Performers, or Artists
- Athletic/Activities Director
- Athlete or Competitor
- Business Manager
- Coach
- Education Administrator
- Exercise Trainer/Fitness Instructor
- Recreation and Entertainment Managers
- Scout
- Sports Information Director
- Umpire, Referee, or other Sports Official



Contact Information

Department Chair

Dr. Rachelle Hunt, rachelle.hunt@vcsu.edu, (701) 845-7260

Faculty Contact

Barbara Mattson, barbara.mattson@vcsu.edu, (701)
845-7585

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General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
or ENGL 12!	Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
or ENGL 12!	Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	
Art and Music		
Select one of the following:		3
ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 206	World Music	
MUS 207	History of Rock and Roll	
Social Science		
Select 6 credits from the following:		6
COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
GEOG 151	Human Geography	
HIST 103	United States to 1877	
HIST 104	United States to Present	
HIST 211	World Civilizations to 1500	
HIST 212	World Civilizations since 1500	
HIST 267	Environmental History	
HIST 270	Native American Studies	
POLS 115	American National Government	
POLS 116	State and Local Government	
PSYC 111	Introduction to Psychology ¹	
SOC 110	Introduction to Sociology	
SOC 111	Introduction to Anthropology	
Additional Humanities or Social Science		
Select one additional course from Humanities or Social Science or select from the following:		2
ART 122	Two-Dimensional Design	
ART 130	Drawing I	
ART 150	Ceramics I	
ART 180	Photography I	
GEOG 111	Survey of Geography	
MUS 104	Group Piano for Non-Majors	
MUS 105	Group Piano for Non-Majors	
MUS 130	Valkyries	
MUS 131	Concert Choir	
MUS 140	Athletic Band	
MUS 141	Concert Band	
PHYS 275	Planetarium Science	
THEA 201	Theatre Practicum	
Total Credits		39

¹ Required

Major Requirements

Code	Title	Credits
Required Courses		
HPER 109	Exercise Techniques and Program Design	3

HPER 127	Introduction to Kinesiology	3
HPER 207	Prevention and Care of Athletic Injuries	2
HPER 210	First Aid & CPR	1
HPER 225	Leadership in Sport	3
HPER 308	Introduction to Nutrition	3
HPER 335	Legal Aspects of Sport	3
HPER 350	Sport Ethics	2
HPER 425	Sport Psychology	3
HPER 438	Organization and Administration for Kinesiology	3
HPER 487	Field Experience	2
Total Credits		28

Students Choose from One of the Following Concentrations:

Sport Leadership Concentration

Code	Title	Credits
HPER 215	Motor Behavior	3
HPER 258	Applied Anatomy, Physiology, and Human Performance	3
HPER 259	Applied Anatomy, Physiology, and Human Performance	3
Choose 2 courses from 301-305		4
HPER 301	Philosophy and Application of Football Coaching	3
HPER 302	Philosophy and Application of Basketball Coaching	
HPER 303	Philosophy and Application of Volleyball Coaching	3
HPER 304	Philosophy and Application of Baseball and Softball Coaching	
HPER 305	Philosophy and Application of Track and Field Coaching	3
HPER 307	Philosophy and Application of Coaching	
HPER 309	Sport Nutrition Concepts	3
HPER 384	Fitness Assessment and Prescription	3
HPER 415	Sport Governance and Policy	3
HPER 445	Foundations in Coaching Methodology	3
HPER 455	Fundraising and Budget	3
Total Credits		30

Sport Management Concentration

Code	Title	Credits
BUSI 214	Business Communications	3
COMM 314	Public Relations	3
COMM 360	Group Dynamics	3
COMM 415	Sports Information	3
MGMT 330	Principles of Management	3
MRKT 305	Principles of Marketing	3
MRKT 310	Digital Marketing	3
MRKT 370	Advertising and Promotions	3
MRKT 375	Consumer Behavior	3
MRKT 414	Social Media Management	3
Total Credits		30

Total General Education 39 Hrs

Total Major Requirement 28 Hrs

Total Concentration Requirement 30 Hrs

Total Credits Needed to Graduate 120 Hrs

Plan of Study - Sport Leadership Concentration

First Year

Fall	Credits	Spring	Credits
HPER 127	3	HPER 207	2
Computer Science and Literacy	3	HPER 210	1
Lab Science (Gen Ed)	4	MATH 104, 107, or 210	3
English Composition (Gen Ed)	3	English Composition (Gen Ed)	3
Wellness (Gen Ed)	2	Lab Science (Gen Ed)	4
UNIV 150	1	Social Science (Gen Ed)	3
16		16	

Second Year

Fall	Credits	Spring	Credits
HPER 109	3	HPER 215	3
HPER 258	3	HPER 259	3
Art & Music (Gen Ed)	3	Humanities/Literacies (Gen Ed)	3
Speech Communication (Gen Ed)	3	Social Science (Gen Ed)	3
Elective	3	Elective	3
15		15	

Third Year

Fall	Credits	Spring	Credits
HPER 308	3	HPER 225	3
HPER 350	2	HPER 309	3
Additional Humanities or Social Science (Gen Ed)	2	HPER 384	3
HPER 302 or 304	2	HPER 335	3
Elective	3	HPER 301, 303, or 305	2
Elective	3		
15		14	

Fourth Year

Fall	Credits	Spring	Credits
HPER 307	2	HPER 425	3
HPER 415	3	HPER 455	3
HPER 438	3	HPER 487	2
HPER 445	3	Elective	3
Elective	3	Elective	3
Elective	2		
16		14	

Total Credits 121

Plan of Study - Sport Management Concentration

First Year

Fall	Credits	Spring	Credits
HPER 127	3	HPER 207	2
Lab Science (Gen Ed)	4	HPER 210	1
English Composition (Gen Ed)	3	MATH 104, 107, or 210	3
Wellness (Gen Ed)	2	Lab Science (Gen Ed)	4
Computer Science and Literacy (Gen Ed)	3	English Composition (Gen Ed)	3

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UNIV 150	1	Social Science (Gen Ed)	3
	16		16
Second Year			
Fall	Credits Spring		Credits
HPER 109	3	COMM 314	3
BUSI 214	3	MRKT 305	3
Art & Music (Gen Ed)	3	Social Science (Gen Ed)	3
Speech Communication (Gen Ed)	3	Humanities/Literacies (Gen Ed)	3
Elective	3	Elective	3
	15		15
Third Year			
Fall	Credits Spring		Credits
HPER 308	3	COMM 415	3
HPER 350	2	HPER 225	3
MRKT 310	3	HPER 335	3
Additional Humanities or Social Science (Gen Ed)	2	MGMT 330	3
Elective	3	MRKT 375	3
Elective	3		
	16		15
Fourth Year			
Fall	Credits Spring		Credits
COMM 360	3	HPER 425	3
HPER 438	3	HPER 487	2
MRKT 370	3	MRKT 414	3
Elective	3	Elective	3
Elective	2	Elective	3
	14		14
Total Credits 121			

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. Students will create projects that demonstrate managerial, fiscal, and leadership concepts as related to sport management.
2. Students will apply fundamental marketing, communication, and/or public relation concepts to the sport industry.
3. Students will demonstrate the significance of lifelong recreational activities in the sport and fitness industry.
4. Analyze and critique the moral and ethical issues related to sport as it exists in the sports management setting.

Strength and Conditioning

About this Composite Major

The Strength and Conditioning Specialist major is primarily designed to prepare students for careers in this field. Students choosing this major will find their learning enhanced by exposure to state-of-the-art equipment and an exercise physiology lab housed in the Gaukler Family Health, Wellness, and Physical Education Center. The program of study in Strength and Conditioning aims to develop an understanding of the concepts and theories of program design.

Students will acquire the skills necessary to develop training and conditioning regimens for athletic and fitness populations. They will also gain knowledge in marketing and management to prepare them for facility management. The curriculum is led by current Certified Strength and Conditioning Specialists (CSCS) and enhanced by field experiences where professionals in the field will mentor students. Students who complete this program of study will be prepared to seek employment in the sport and fitness industry and sit for a national exam.

Meet a Student

The Strength and Conditioning program helped bridge the gap between science and hands-on coaching. Learning training concepts, theories, and program design, as well as how to work with clients was a phenomenal experience. It was an opportunity to implement everything you learned and see how it worked in real world application.

The teaching staff truly made the opportunity special. These educators have a talent for making students feel engaged, unique, and cared for. After finishing my undergraduate degree, I was able to secure internships with multiple Division 1 and 2 athletic departments, training collegiate athletes. The knowledge and guidance provided by these educators gave me the confidence to succeed at each internship. I am beyond grateful for the experience given to me at Valley City. — *Chris Holden, Covina, CA, Strength and Conditioning Coach at LMR Technical Group*

Career Opportunities



Studying strength and conditioning provides life-long benefits, but also opens multiple career fields. Some careers that graduates can pursue with this degree include:

- Exercise Physiologist
- Personal trainer
- Strength and conditioning coach
- Cardiac Rehab
- Dietitian
- Athletic director
- Exercise Trainer/Fitness Instructor
- Recreation and Entertainment Managers
- Postsecondary Teacher

Get Involved in your Major



The Exercise Science Club provides students in the strength and conditioning, exercise science, and wellness fields opportunities to discuss current topics in the profession. Students in this major are also encouraged to attend local conferences led by professionals who are recognized in the area of sports performance.

Contact Information

Department Chair and Faculty Contact

Dr. Rachelle Hunt, rachelle.hunt@vcu.edu, (701) 845-7260

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Department Location

Gaukler Family Wellness & Physical Education Center, 149,
(701) 845-7580

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<http://visit.vcsu.edu/>

(701) 845-7101 or (800) 532-8641, ext. 7101

General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities		
Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

ENGL 261	American Literature I
ENGL 262	American Literature II
HUM 201	Civilization, Thought, and Literary Heritage
PSYC 200	Ethics and Philosophy of Science
SPAN 101	1st Year Spanish I
SPAN 102	1st Year Spanish II
SPAN 201	2nd Year Spanish I
SPAN 202	2nd Year Spanish II
THEA 110	Introduction to Theatre Arts

Art and Music

Select one of the following: 3

ART 110	Introduction to the Visual Arts
ART 115	Introduction to Digital Media
ART 210	Art History I
ART 211	Art History II
ART 233	History of Craft
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 206	World Music
MUS 207	History of Rock and Roll

Social Science

Select 6 credits from the following: 6

COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology ¹
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Humanities or Social Science

Select one additional course from Humanities or Social Science 2
or select from the following:

ART 122	Two-Dimensional Design
ART 130	Drawing I
ART 150	Ceramics I
ART 180	Photography I
GEOG 111	Survey of Geography
MUS 104	Group Piano for Non-Majors
MUS 105	Group Piano for Non-Majors
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
PHYS 275	Planetarium Science
THEA 201	Theatre Practicum

Total Credits 39

¹ Required

Major Requirements

Code	Title	Credits
Required Courses		
BUSI 214	Business Communications	3

COMM 414	Social Media Management	3
HPER 109	Exercise Techniques and Program Design	3
HPER 127	Introduction to Kinesiology	3
HPER 128	Communication for Health Care Professionals	3
HPER 207	Prevention and Care of Athletic Injuries	2
HPER 210	First Aid & CPR	1
HPER 212	Introduction to Stress Management	2
HPER 220	Practical Application of Fitness Education	3
HPER 258	Applied Anatomy, Physiology, and Human Performance	3
HPER 259	Applied Anatomy, Physiology, and Human Performance	3
HPER 308	Introduction to Nutrition	3
HPER 309	Sport Nutrition Concepts	3
HPER 350	Sport Ethics	2
HPER 384	Fitness Assessment and Prescription	3
HPER 405	Advanced Topics in Strength and Conditioning	3
HPER 425	Sport Psychology	3
HPER 438	Organization and Administration for Kinesiology	3
HPER 444	Exercise Physiology of Peak Performances	3
HPER 487	Field Experience	2
MGMT 330	Principles of Management	3
MRKT 305	Principles of Marketing	3

Directed Electives 15

COMM 312	Gender Communication
COMM 314	Public Relations
COMM 360	Group Dynamics
COMM 415	Sports Information
HPER 222	Recreation and Leisure in Modern Society
HPER 287	Field Experience
HPER 300	Drug Education and Information
HPER 315	Communicable and Non-Communicable Diseases
HPER 328	Therapeutic Exercise
HPER 387	Field Experience
HPER 388	Outdoor Pursuits for the Physical Educator
HPER 454	Evidence-Based Practice
MGMT 372	Foundations of Leadership
SPAN 101	1st Year Spanish I
SPAN 102	1st Year Spanish II

Total Credits 75

Total General Education 39 Hrs

Total Major Requirement 75 Hrs

Total Credits Needed to Graduate 120 Hrs

Plan of Study

First Year

Fall	Credits	Spring	Credits
English Composition (Gen Ed)	3	English Composition (Gen Ed)	3
HPER 100 (Gen Ed)	2	HPER 128	3
Lab Science (Gen Ed)	4	Lab Science (Gen Ed)	4
MATH 104, 107, or 210 (Gen Ed)	3	Literacies (Gen Ed)	3
Computer Science and Literacy (Gen Ed)	3	Speech Communication (Gen Ed)	3
UNIV 150	1		
16		16	

Second Year

Fall	Credits	Spring	Credits
BUSI 214	3	Directed Elective	3

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HPER 109	3	HPER 127	3
HPER 220	3	HPER 207	2
HPER 258	3	HPER 212	2
PSYC 111 (Gen Ed)	3	HPER 259	3
Social Science (Gen Ed)			3
15			16

Third Year

Fall	Credits	Spring	Credits
HPER 309	3	COMM 414	3
MGMT 330	3	HPER 210	1
MRKT 305	3	HPER 350	2
Directed Elective	3	HPER 384	3
Elective	3	Additional Humanity/Social Science (Gen Ed)	2
Elective			3
15			14

Fourth Year

Fall	Credits	Spring	Credits
HPER 438	3	HPER 405 (even years)	3
HPER 444	3	HPER 425	3
Art & Music (Gen Ed)	3	HPER 487	2
Elective	3	Elective	3
Elective	3	Elective	3
15			14

Total Credits 121

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. Students will be able to demonstrate the ability to develop safety procedures in the fitness venue.
2. Students will be able to perform fitness evaluations and exercise testing to assess physical condition.
3. Students will design, implement and/or modify safe and effective exercise prescriptions to improve health and performance.
4. Students will create projects that demonstrate communication, managerial, fiscal, and leadership concepts.
5. Students will demonstrate the ability to relate concepts of anatomy, physiology, and biomechanics to movement activities.

Technology Education

About this Composite Major



The Technology Education Online Teacher Prep Program at VCSU models Project and Problem Based Hands On Learning as well as Inquiry Based Learning. The design challenges offered in the curriculum require critical thinking skills and problem-solving abilities. VCSU's Online Technology Education Program has licensed and certified teachers all across the United States. The Technology Education program supports the STEM fields of Science, Technology, Engineering and Mathematics. This program stresses important skills, knowledge, and program learning outcomes related to Technology Education and STEM content, application, and methodology.

Meet a Student

"I was doing a practicum day in a middle school in inner city Wichita and the teachers were blown away with what I am learning in this program. Being in that school reaffirmed the reasons I decided to teach. I know I have something to give to these kids and can't wait to make a difference. They were ready to find me a job in the district; I believe I will be doing my student teaching there with them. If it was not for Valley City State, I would not even be able to have this chance. Thank you." —Brandon Watkins

Get Involved in your Major

- Kappa Delta Pi (KDP)
- Student North Dakota United (SNDU)

Unique Online Options



The Technology Education program has unique courses that allow students from across the country to participate and earn their degree. VCSU faculty and staff work with a wide-variety of students online and through different projects to ensure every graduate is ready to teach in their content area.

Accreditations

- Council for the Accreditation of Educator Preparation (CAEP)

Teacher Education Requirements

Students are typically admitted into Teacher Education during their sophomore year or beginning of their junior year of college. This program requires a minimum cumulative GPA of 2.75 or higher and successful completion of the Praxis I test. Additional criteria for Admission to Teacher Education can be found at the following website: www.onestop.vcsu.edu (<https://onestop.vcsu.edu/support/solutions/articles/10000052001-teacher-education/>).

Contact Information

Department Chair and Faculty Contact

Jason Dockter, jason.dockter@vcsu.edu, (701) 845-7447

Department Location

McCarthy Hall 155, (701) 845-7444

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General Education Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
or ENGL 12!	Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
or ENGL 12!	Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select two of the following:		8
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Wellness		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities Literacies		
Select one of the following:		3
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	

ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	
Art and Music		
Select one of the following:		3
ART 110	Introduction to the Visual Arts	
ART 115	Introduction to Digital Media	
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 206	World Music	
MUS 207	History of Rock and Roll	
Social Science		
Select 6 credits from the following:		6
COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
GEOG 151	Human Geography	
HIST 103	United States to 1877	
HIST 104	United States to Present	
HIST 211	World Civilizations to 1500	
HIST 212	World Civilizations since 1500	
HIST 267	Environmental History	
HIST 270	Native American Studies	
POLS 115	American National Government	
POLS 116	State and Local Government	
PSYC 111	Introduction to Psychology	
SOC 110	Introduction to Sociology	
SOC 111	Introduction to Anthropology	
Additional Humanities or Social Science		
Select one additional course from Humanities or Social Science or select from the following:		2
ART 122	Two-Dimensional Design	
ART 130	Drawing I	
ART 150	Ceramics I	
ART 180	Photography I	
GEOG 111	Survey of Geography	
MUS 104	Group Piano for Non-Majors	
MUS 105	Group Piano for Non-Majors	
MUS 130	Valkyries	
MUS 131	Concert Choir	
MUS 140	Athletic Band	
MUS 141	Concert Band	
PHYS 275	Planetarium Science	
THEA 201	Theatre Practicum	
Total Credits		39

Major Requirements

Code	Title	Credits
Required Courses		
STEM ED 331	Innovation and Engineering Design	3
STEM ED 411	STEM Curriculum and Methods	3
STEM ED 431	Design for Engineering	3

STEM ED 450	Engineering the Future Using Computational Thinking	3
TECH 356	Safety and Management in Technology Education	3
TECH 371	Technology Systems	3
TECH 478	Technology, Society, and Sustainability	3
TECH 491	Senior Portfolio	1
Directed Electives		
Select 18 hours from the following:		18
CTE 431	History, Philosophy and Practices of Career and Technical Education ¹	3
CTE 434	Leadership in Career and Technical Student Organizations ¹	3
STEM ED 306	Inventions and Innovations - Technology Education for Children	3
STEM ED 310	Design, Technology and Engineering for Children	3
STEM ED 342	Data Collection and Analysis	3
STEM ED 355	STEM Curriculum and Methods for Elementary	3
TECH 300	3D Modeling and Design	3
TECH 325	Exploring Technology Through Engineering by Design (EbD)	3
TECH 330	Exploring Technology Through PLTW	3
TECH 391	Foundations of Technology	3
TECH 416	Innovations in Energy and Power Technologies	3
TECH 421	Computer Science, Programming, and Robotics	3
TECH 456	Intelligent Machines	3
TECH 394	Independent Study	1-3
TECH 499	Special Topics	3-12

¹ If you are seeking North Dakota Technology Education licensure, CTE 431 History, Philosophy and Practices of Career and Technical Education and CTE 434 Leadership in Career and Technical Student Organizations are required to CTE Certification by the North Dakota Department of Career and Technical Education in order to be eligible for state funding in a local program. If you are not intending on teaching in North Dakota, you may take any combination of 18 credits to complete your electives. Those seeking a North Dakota license should consider these courses for electives.

Total General Education 39 Hrs

Total Major Requirement 40 Hrs

Total Professional Education Sequence 32-33 Hrs

Total Credits Needed to Graduate 120 Hrs

Professional Education Sequence

Code	Title	Credits
Professional Education Sequence		
EDUC 240	Educating Exceptional Students	3
EDUC 250	Introduction to Education	3
EDUC 283	Understanding Cultural Diversity in Education	3
EDUC 300	Educational Technology	2
EDUC 351	Secondary Practicum and Classroom Management	1
EDUC 352	Culturally Diverse Practicum	1
or EDUC 464	Practicum in the ELL Classroom	
EDUC 375	Teaching Reading in the Content Areas	2
EDUC 400	Educational Psychology	2
EDUC 450	Trends in Assessment and Educational Issues	2
EDUC 480	Student Teaching (Secondary)	10

PSYC 250	Developmental Psychology	3
Total Credits		32

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

Plan of Study

First Year					
Fall	Credits	Spring	Credits	Summer	Credits
CIS 170 or SE 110 (Gen Ed)	3	Art and Music (Gen Ed)	3	Gen Ed or Electives Option	
ENGL 110 (Gen Ed)	3	ENGL 120 (Gen Ed)	3		
MATH 104 (Gen Ed)	3	PSYC 111 (Gen Ed)	3		
TECH 161 (Gen Ed)	4	STEM ED or TECH Directed Elective	3		
STEM ED 33B		TECH 371	3		
16		15		0	

Second Year					
Fall	Credits	Spring	Credits	Summer	Credits
COMM 110 (Gen Ed)	3	Lab Science (Gen Ed)	4	Gen Ed or Electives Option	
EDUC 240	3	PSYC 250	3		
EDUC 250	3	EDUC 283	3		
STEM ED or TECH Directed Elective (Rec: TECH 325 - EbD Curriculum)	3	STEM ED or TECH Directed Elective (Rec: TECH 330 - PLTW Curriculum)	3		
STEM ED 43B		TECH 356	3		
15		16		0	

Third Year					
Fall	Credits	Spring	Credits	Summer	Credits
Additional Humanities or Social Science (Gen Ed)	2	HPER 100 (Gen Ed)	2	Gen Ed or Electives Option	
EDUC 351	1	EDUC 300	2		
EDUC 352	1	EDUC 400	2		
EDUC 375	2	STEM ED or TECH Directed Elective	3		
STEM ED or TECH Directed Elective	3	STEM ED or TECH Directed Elective (Rec: CTE 434 - If ND Job Seeker)	3		

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STEM ED or TECH Directed Elective (Rec: CTE 431 - If ND Job Seeker)	3	STEM ED 45 3	
TECH 478	3		
	15	15	0
Fourth Year			
Fall	Credits	Spring	Credits
Literacies (Gen Ed)	3	EDUC 480	10
Social Science (Gen Ed)	3	TECH 491	1
EDUC 450	2		
STEM ED or TECH Directed Elective	3		
STEM ED or TECH Directed Elective	3		
STEM ED 41 3			
	17	11	
Total Credits 120			

Please note: This plan is intended for general information only. Students are strongly encouraged to meet with their academic advisor each semester before registration.

Learning Outcomes

1. Methodology – Students will develop knowledge necessary for program development, implementation, evaluation and assessment of student learning.
2. Content – Students will acquire knowledge and skills necessary to demonstrate competence in technological literacy
3. Application – Students will demonstrate competency in technology education content and apply this knowledge in real world experiences.

Associate of Arts

For full listing of programs, see Undergraduate Programs.
(p. 113)

- Associate of Arts - Business Concentration (p. 345)
- Associate of Arts- Communication Concentration (p. 347)
- Associate of Arts - Digital Design Concentration (p. 349)
- Associate of Arts- General Studies Concentration (p. 343)
- Associate of Arts - Marketing Concentration (p. 351)

Associate of Arts- General Studies Concentration

About this Degree

The Associate of Arts degree is an undergraduate academic degree earned by students who complete the General Education block requirement (37 credits) plus 23 credits of coursework in their interest area. The program of study is designed to be completed in two years.

Associate of Arts degree completion is beneficial to students who are pursuing a career field requiring an AA degree or desiring to work toward a four-year bachelor's degree at a later time. The coursework involved in an Associate of Arts degree is well-suited for an eventual liberal arts bachelor's degree in a wide variety of subject areas and will readily transfer to other colleges and universities.

Contact Information

Department Chair and Faculty Contact

Kaleen Peterson, kaleen.peterson@vcsu.edu, (701) 845-7302

Department Location

McFarland 322B, (701) 845-7302

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Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
or ENGL 12!	Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
or ENGL 12!	Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select one of the following:		4
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities & Fine Arts		
Select a total of 6 credits from two different prefixes:		6
ART 110	Introduction to the Visual Arts	
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	
ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 130	Valkyries	
MUS 131	Concert Choir	
MUS 140	Athletic Band	
MUS 141	Concert Band	
MUS 206	World Music	
MUS 207	History of Rock and Roll	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	
Social Science		
Select two of the following:		6
COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
GEOG 151	Human Geography	
HIST 103	United States to 1877	
HIST 104	United States to Present	
HIST 211	World Civilizations to 1500	
HIST 212	World Civilizations since 1500	
HIST 267	Environmental History	
HIST 270	Native American Studies	
POLS 115	American National Government	
POLS 116	State and Local Government	
PSYC 111	Introduction to Psychology	
SOC 110	Introduction to Sociology	
SOC 111	Introduction to Anthropology	
Additional Requirements		
Select any additional course from Mathematics, Lab Science, or Computer Science and Literacy:		3
Select any additional course from the Humanities & Fine Arts or Social Science categories:		3
Electives		
Select any courses		23
Total Credits		60
Total General Education 37 Hrs		
Total Concentration Requirement 23 Hrs		
Total Credits Needed to Graduate 60 Hrs		
For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).		

Associate of Arts - Business Concentration

About this Degree

The Associate of Arts with a concentration in business is an undergraduate academic degree earned by students who complete the General Education block requirement (37 credits) and selected courses in business (24 credits). The program of study is designed to be completed in two years. It aims to give students the basic technical and academic knowledge and transferable skills they need to pursue employment or further their studies in business.

Completion of this degree is beneficial to students who are pursuing a career field requiring an AA degree or desiring to work toward a four-year bachelor's degree later.

Contact Information

Department Chair and Faculty Contact

Brenda Tyre, brenda.tyre@vcsu.edu, (701) 845-7515

Department Location

Vangstad 125, (701) 845-7515

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Code	Title	Credits
English Composition		
Select one of the following:		6

ENGL 110	College Composition I
ENGL 120	College Composition II
or ENGL 12!	Introduction to Professional Writing

or

ENGL 120	College Composition II
or ENGL 12!	Introduction to Professional Writing
ENGL 210	College Composition III: Persuasive Writing

Speech Communication

Select one of the following: 3

COMM 110	Fundamentals of Public Speaking
COMM 212	Interpersonal Communication
COMM 216	Intercultural Communication

Mathematics

Select one of the following: 3

MATH 103	College Algebra
MATH 104	Finite Mathematics
MATH 107	Precalculus
MATH 110	Mathematics in Society
MATH 165	Calculus I
MATH 210	Elementary Statistics

Lab Science

Select one of the following: 4

BIOL 111	Concepts of Biology
BIOL 150	General Biology I
BIOL 151	General Biology II
BIOL 170	General Zoology
CHEM 115	Introductory Chemistry
CHEM 116	Introduction to Organic and Biochemistry
CHEM 121	General Chemistry I
CHEM 122	General Chemistry II
GEOL 100	Introduction to Earth Science
GEOL 106	The Earth Through Time
PHYS 100	Concepts of Physics
PHYS 110	Introductory Astronomy
PHYS 211	College Physics I
PHYS 212	College Physics II
PHYS 251	University Physics I
PHYS 252	University Physics II
PSYC 240	Cognition and Brain Science
TECH 161	Technology, Engineering, and Design

Computer Science and Literacy

Select one of the following: 3

CIS 170	Introduction to Computer Information Systems ¹
CSCI 120	Introduction to Programming
CSCI 127	Introduction to Programming in Java
CSCI 160	Introduction to Structured Programming I
SE 110	Discovering Computing

Humanities & Fine Arts

Select a total of 6 credits from two different prefixes: 6

ART 110	Introduction to the Visual Arts
COMM 211	Oral Interpretation
ENGL 220	Introduction to Literature
ENGL 225	Introduction to Film
ENGL 232	Mythology
ENGL 241	World Literature I
ENGL 242	World Literature II
ENGL 261	American Literature I
ENGL 262	American Literature II
HUM 201	Civilization, Thought, and Literary Heritage
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band

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MUS 141	Concert Band
MUS 206	World Music
MUS 207	History of Rock and Roll
PSYC 200	Ethics and Philosophy of Science
SPAN 101	1st Year Spanish I
SPAN 102	1st Year Spanish II
SPAN 201	2nd Year Spanish I
SPAN 202	2nd Year Spanish II
THEA 110	Introduction to Theatre Arts

Social Science

Select two of the following: 6

COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics ¹
ECON 202	Principles of Macroeconomics ¹
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Requirements

Select any additional course from Mathematics, Lab Science, or Technology: 3

Select any additional course from the Humanities & Fine Arts or Social Science categories: 3

Required Courses

ACCT 200	Elements of Accounting I	3
ACCT 201	Elements of Accounting II	3
ACCT 315	Business in the Legal Environment	3
BUSI 336	Business Data Solutions	3
FIN 375	Managerial Finance	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MRKT 305	Principles of Marketing	3

Total Credits 61

¹ Required

Total General Education 37 Hrs

Total Concentration Requirement 24 Hrs

Total Credits Needed to Graduate 61 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

First Year

Fall	Credits	Spring	Credits
ACCT 200	3	ACCT 201	3
CIS 170 (Gen Ed)	3	ENGL 125 or 120 (Gen Ed)	3
ENGL 110 (Gen Ed)	3	Lab Science (Gen Ed)	4
Mathematics (Gen Ed)	3	MRKT 305	3
MGMT 270	3	Speech Communication (Gen Ed)	3
	15		16

Second Year

Fall	Credits	Spring	Credits
BUSI 336	3	ACCT 315	3
ECON 201 (Gen Ed)	3	Additional Humanities & Fine Arts or Social Science (Gen Ed)	3
FIN 375	3	Additional Math, Lab Science, or Computer Science and Literacy (Gen Ed)	3
Humanities & Fine Arts (Gen Ed)	3	ECON 202 (Gen Ed)	3
MGMT 330	3	Humanities & Fine Arts (Gen Ed)	3
	15		15

Total Credits 61

Associate of Arts-Communication Concentration

About this Degree

The Associate of Arts in Communication is designed to be completed in two years. It aims to give students the basic communication skills needed in the communication field of employment and to pursue further study in the field of communication. The AA gives students basic skills needed in the corporate, media, and digital communication fields.

This degree is beneficial to students who are pursuing a career field requiring an AA degree or desiring to work toward a four-year bachelor's degree later.

With "communication" ranking as the #1 desired skill in job applicants across all industries, effective communicators will always find somewhere they're wanted for work. Career opportunities with an AA degree in Communication can include:

- Communication Specialist
- Receptionist
- Administrative Assistant
- Freelance Writer
- Proofreader
- Communication Planner
- Social Media Communication Specialist
- Media Planner
- Technical Writer

Contact Information

Department Chair & Faculty Contact

Dr. Shannon VanHorn, shannon.vanhorn@vcsu.edu, (701) 845-7471

Department Location

McFarland Hall 205, (701) 845-7301

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Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
	or ENGL 12!Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking ¹	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select one of the following:		4
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	

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CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities & Fine Arts		
Select a total of 6 credits from two different prefixes:		6
ART 110	Introduction to the Visual Arts	
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	
ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	
HUM 202	Fine Arts and Aesthetics	
MUS 100	Music Appreciation	
MUS 101	Music Fundamentals	
MUS 130	Valkyries	
MUS 131	Concert Choir	
MUS 140	Athletic Band	
MUS 141	Concert Band	
MUS 206	World Music	
MUS 207	History of Rock and Roll	
PSYC 200	Ethics and Philosophy of Science	
SPAN 101	1st Year Spanish I	
SPAN 102	1st Year Spanish II	
SPAN 201	2nd Year Spanish I	
SPAN 202	2nd Year Spanish II	
THEA 110	Introduction to Theatre Arts	
Social Science		
Select two of the following:		6
COMM 112	Understanding Media and Social Change	
COMM 114	Human Communication	
ECON 201	Principles of Microeconomics	
ECON 202	Principles of Macroeconomics	
GEOG 151	Human Geography	
HIST 103	United States to 1877	
HIST 104	United States to Present	
HIST 211	World Civilizations to 1500	
HIST 212	World Civilizations since 1500	
HIST 267	Environmental History	
HIST 270	Native American Studies	
POLS 115	American National Government	
POLS 116	State and Local Government	
PSYC 111	Introduction to Psychology	
SOC 110	Introduction to Sociology	
SOC 111	Introduction to Anthropology	
Additional Requirements		
Select any additional course from Mathematics, Lab Science, or Computer Science and Literacy:		3
Select any additional course from the Humanities & Fine Arts or Social Science categories:		3
Required Courses		
COMM 200	Introduction to Media Writing	3
COMM 212	Interpersonal Communication	3
COMM 216	Intercultural Communication	3
COMM 311	Communication and Interviewing	3
COMM 312	Gender Communication	3
COMM 314	Public Relations	3
COMM 315	Digital Communication	3
COMM 360	Group Dynamics	3
Total Credits		61

¹ Required

Total General Education 37 Hrs

Total Concentration Requirement 24 Hrs

Total Credits Needed to Graduate 61 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

First Year

Fall	Credits	Spring	Credits
ENGL 110 (Gen Ed)	3	ENGL 120 or 125 (Gen Ed)	3
COMM 200	3	COMM 110	3
COMM 216	3	COMM 212	3
Social Science (Gen Ed)	3	Lab Science (Gen Ed)	4
Computer Science and Literacy (Gen Ed)	3	Math (Gen Ed)	3
15		16	

Second Year

Fall	Credits	Spring	Credits
COMM 311	3	COMM 312	3
COMM 315	3	COMM 314	3
COMM 360	3	Humanities & Fine Arts (Gen Ed)	3
Humanities & Fine Arts (Gen Ed)	3	Additional Math, Lab Science, or Computer Science and Literacy (Gen Ed)	3
Social Science (Gen Ed)	3	Additional Humanities & Fine Arts or Social Science (Gen Ed)	3
15		15	

Total Credits 61

Associate of Arts - Digital Design Concentration

About this Degree

The Associate of Arts in Digital Design is an undergraduate academic degree earned by students who complete the General Education block requirement (37 credits) and 24 credits of coursework in Digital Design.

The program of study is designed to be completed in two years. It aims to give students the basic technical and academic knowledge and transferable skills they need to pursue employment or further study in digital design.

The Associate of Arts in Digital Design degree completion is beneficial to students who are pursuing a career field requiring an AA degree or desiring to work toward a four-year bachelor's degree later.

Contact Information

Department Chair

Angela Mircsov, angela.mircsov@vcsu.edu, (701) 845-7564

Faculty Contact

Ekow Ephrim, ekow.ephrim@vcsu.edu, (701) 845-7562

Department Location

Center for the Arts, (701) 845-7272

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to access and to follow our vision – delivering distinctive, learner-centered experiences.

Requirements

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
or ENGL 121	Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
or ENGL 121	Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select one of the following:		4
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities & Fine Arts		
Select a total of 6 credits from two different prefixes:		6
ART 110	Introduction to the Visual Arts	
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	
ENGL 261	American Literature I	

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ENGL 262	American Literature II
HUM 201	Civilization, Thought, and Literary Heritage
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
MUS 206	World Music
MUS 207	History of Rock and Roll
PSYC 200	Ethics and Philosophy of Science
SPAN 101	1st Year Spanish I
SPAN 102	1st Year Spanish II
SPAN 201	2nd Year Spanish I
SPAN 202	2nd Year Spanish II
THEA 110	Introduction to Theatre Arts

Social Science

Select two of the following: 6

COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Requirements

Select any additional course from Mathematics, Lab Science, or Technology: 3

Select any additional course from the Humanities & Fine Arts or Social Science categories: 3

Required Courses

ART 115	Introduction to Digital Media	3
ART 122	Two-Dimensional Design	3
ART 130	Drawing I	3
ART 180	Photography I	3
ART 215	Graphic Design I	3
ART 225	Digital Imaging I	3
ART 235	Digital Illustration I	3
ART 345	History of Graphic Design	3

Total Credits 61

Total General Education 37 Hrs

Total Concentration Requirement 24 Hrs

Total Credits Needed to Graduate 61 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

First Year

Fall	Credits	Spring	Credits
ART 122	3	ART 130	3
ART 180	3	ART 115	3
ENGL 110 (Gen Ed)	3	ENGL 120 or 125 (Gen Ed)	3
Social Science (Gen Ed)	3	Lab Science (Gen Ed)	4

Computer Science and Literacy (Gen Ed)	3	Speech Communication (Gen Ed)	3
15		16	
Second Year			
Fall	Credits	Spring	Credits
ART 215	3	ART 235	3
ART 225	3	ART 345	3
MATH 104 (Gen Ed)	3	Humanities & Fine Arts (Gen Ed)	3
Social Science (Gen Ed)	3	Additional Math, Lab Science, or Computer Science and Literacy (Gen Ed)	3
Humanities & Fine Arts (Gen Ed)	3	Additional Humanities & Fine Arts or Social Science (Gen Ed)	3
15		15	

Total Credits 61

Associate of Arts - Marketing Concentration

About this Degree

The Associate of Arts with a concentration in marketing is an undergraduate academic degree earned by students who complete the General Education block requirement (37 credits) and selected courses in business and marketing (24 credits). The program of study is designed to be completed in two years. It aims to give students the basic technical and academic knowledge and transferable skills they need to pursue employment or further their studies in marketing.

Completion of this degree is beneficial to students who are pursuing a career field requiring an AA degree or desiring to work toward a four-year bachelor's degree later.

Contact Information

Department Chair

Brenda Tyre, brenda.tyre@vcsu.edu, (701) 845-7515

Faculty Contact

Tammy Katuin, tammy.katuin@vcsu.edu
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Department Location

Vangstad 125, (701) 845-7515

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(701) 845-7101 or (800) 532-8641, ext. 7101

About VCSU

Our Foundation

VCSU isn't just a place to get an education – it's a community built on tradition that is powered by bright, innovative students who bring new ideas and potential.

Our Students

Here, students can be individuals and embrace their genuine selves while taking advantage of opportunities only VCSU can provide. Take a look at our unique make-up of individuals from all over the globe and different backgrounds, and see what makes us a favored landing place for talented students. VCSU is a launchpad that will help students leap into their careers or prepare them for graduate-level education.

Our Mission

From our humble history as a teacher's college to our modern, accredited university with over 65 areas of study, we use our focus on technology to make information easy

to access and to follow our vision – delivering distinctive, learner-centered experiences.

Code	Title	Credits
English Composition		
Select one of the following:		6
ENGL 110	College Composition I	
ENGL 120	College Composition II	
or ENGL 12!Introduction to Professional Writing		
or		
ENGL 120	College Composition II	
or ENGL 12!Introduction to Professional Writing		
ENGL 210	College Composition III: Persuasive Writing	
Speech Communication		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
Mathematics		
Select one of the following:		3
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 110	Mathematics in Society	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
Lab Science		
Select one of the following:		4
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
Computer Science and Literacy		
Select one of the following:		3
CIS 170	Introduction to Computer Information Systems	1
CSCI 120	Introduction to Programming	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
SE 110	Discovering Computing	
Humanities & Fine Arts		
Select a total of 6 credits from two different prefixes:		6
ART 110	Introduction to the Visual Arts	
COMM 211	Oral Interpretation	
ENGL 220	Introduction to Literature	
ENGL 225	Introduction to Film	
ENGL 232	Mythology	
ENGL 241	World Literature I	
ENGL 242	World Literature II	
ENGL 261	American Literature I	
ENGL 262	American Literature II	
HUM 201	Civilization, Thought, and Literary Heritage	

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HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
MUS 206	World Music
MUS 207	History of Rock and Roll
PSYC 200	Ethics and Philosophy of Science
SPAN 101	1st Year Spanish I
SPAN 102	1st Year Spanish II
SPAN 201	2nd Year Spanish I
SPAN 202	2nd Year Spanish II
THEA 110	Introduction to Theatre Arts

Social Science

Select two of the following: 6

COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics ¹
ECON 202	Principles of Macroeconomics ¹
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology
SOC 110	Introduction to Sociology
SOC 111	Introduction to Anthropology

Additional Requirements

Select any additional course from Mathematics, Lab Science, or Technology: 3

Select any additional course from the Humanities & Fine Arts or Social Science categories: 3

Required Courses

ACCT 200	Elements of Accounting I	3
ACCT 201	Elements of Accounting II	3
BUSI 214	Business Communications	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MRKT 305	Principles of Marketing	3
MRKT 310	Digital Marketing	3
MRKT 370	Advertising and Promotions	3

Total Credits 61

¹ Required

Total General Education 37 Hrs

Total Concentration Requirement 24 Hrs

Total Credits Needed to Graduate 61 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (p. 22).

First Year

Fall	Credits	Spring	Credits
ACCT 200	3	ACCT 201	3
CIS 170 (Gen Ed)	3	BUSI 214	3
ENGL 110 (Gen Ed)	3	ENGL 125 or 120 (Gen Ed)	3

Mathematics (Gen Ed)	3	Lab Science (Gen Ed)	4
MGMT 270	3	MRKT 305	3
15		16	

Second Year

Fall	Credits	Spring	Credits
ECON 201 (Gen Ed)	3	Additional Humanities & Fine Arts or Social Science (Gen Ed)	3
Humanities & Fine Arts (Gen Ed)	3	Additional Math, Lab Science, or Computer Science and Literacy (Gen Ed)	3
MGMT 330	3	ECON 202 (Gen Ed)	3
MRKT 370	3	Humanities & Fine Arts (Gen Ed)	3
Speech Communication (Gen Ed)	3	MRKT 310	3
15		15	

Total Credits 61

Minors

For full listing of programs, see Undergraduate Programs. (p. 113)

- Adapted Physical Education Minor (p. 353)
- AgriBusiness Minor (p. 353)
- Art Education Minor (p. 354)
- Art Minor (p. 354)
- Athletic Coaching Minor (p. 354)
- Biology Minor (p. 355)
- Business Minor (p. 355)
- Business Software Applications Minor (p. 355)
- Chemistry Minor (p. 356)
- Communication Minor (p. 356)
- Computer Science Minor (p. 356)
- Digital Design Minor (p. 356)
- Earth and Environmental Science Minor (p. 357)
- English Minor (p. 357)
- Health Education Minor (p. 357)
- Health Studies Minor (p. 358)
- History Minor (p. 358)
- Human Resources Minor (p. 358)
- Library Media and Information Science Minor (p. 358)
- Marketing Minor (p. 359)
- Mathematics Minor (p. 359)
- Music Audio Production Minor (p. 360)
- Music Education Minor (p. 360)
- Music Minor (p. 360)
- Physical Education (Elementary and Secondary) Minor (p. 361)
- Physics Minor (p. 361)
- Piano Pedagogy Minor (p. 361)
- Political Science Minor (p. 361)
- Psychology Minor (p. 362)
- Sociology Minor (p. 362)
- Spanish Minor (p. 362)
- Teaching English Language Learners Minor (p. 362)
- Technical Writing Minor (p. 363)
- Technology Education Minor (p. 363)

Adapted Physical Education Minor

Code	Title	Credits
HPER 285	Introduction to Adapted Physical Education ¹	3
HPER 386	Adapted Physical Education Teaching Strategies	3
HPER 402	Adapted Physical Education Program Planning	3
HPER 485	Assessment in Adapted Physical Education	3
HPER 488	Adapted Physical Education Capstone	2
SPED 310	Behavior Modification	3
SPED 340	Learning Disabilities, Emotional Disorders, and Intellectual Disabilities	3
SPED 380	Collaboration, Consultation, and Transition Planning for Students with Disabilities	3
Total Credits		23

¹ HPER 285 Introduction to Adapted Physical Education required for non-physical education majors only.

AgriBusiness Minor

Code	Title	Credits
Required Courses		
AGEC 341	Agricultural Economics	3
AGEC 342	Introduction to Agriculture Management	3
AGEC 346	Agriculture Commodity Marketing	3
AGEC 442	Advanced Farm Management	3
Elective Courses		
Select 9 credits from the following:		9
ACCT 355	Taxation of Business Entities	
AGEC 474	Cooperatives (through North Dakota State University)	
BIOL 336	Range Management and Range Plants	
BIOL 360	Environmental Law and Regulations	
BIOL 455	Introduction to GIS	
BUSI 497	Internship	
FIN 375	Managerial Finance	
FIN 376	Managerial Finance II	
GEOL 315	Soil Science and Survey	
MRKT 340	Professional Sales	
Total Credits		21

Art Education Minor

Code	Title	Credits
Required Courses:		
ART 115	Introduction to Digital Media	3
or ART 180	Photography I	
ART 122	Two-Dimensional Design	3
ART 124	Three-Dimensional Design	3
or ART 150	Ceramics I	
or ART 265	Sculpture I	
ART 130	Drawing I	3
or ART 120	Painting I	
ART 390	Art Methods	4
Choose two of the following:		6
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
ART 311	Art History III	
ART 345	History of Graphic Design	
ART 411	Art History IV	
Total Credits		22

Art Minor

Code	Title	Credits
Required Courses		
ART 122	Two Dimensional Design	3
ART 124	Three Dimensional Design	3
Choose six credits from the following: ¹		6
ART 210	Art History I	
ART 211	Art History II	
ART 233	History of Craft	
ART 311	Art History III	
ART 345	History of Graphic Design	
ART 411	Art History IV	
Electives		
Choose nine credits from the following:		9
ART 120	Painting I	
ART 130	Drawing I	
ART 150	Ceramics I	
ART 170	Printmaking I	
ART 180	Photography I	
ART 221	Painting II	
ART 230	Drawing II	
ART 251	Ceramics II	
ART 265	Sculpture I	
ART 266	Sculpture II	
ART 271	Printmaking II	
ART 280	Photography II	
ART 321	Painting III	
ART 330	Drawing III	
ART 351	Ceramics III	
ART 366	Sculpture III	
ART 371	Printmaking III	
ART 380	Photography III	
ART 397	VCSU CSA Internship	
ART 399	Special Topics	
ART 420	Advanced Research Studio	
ART 497	Internship	
Total Credits		21

¹ Students can take up to one Art History class (3 credits) as an elective in the Art Minor.

Athletic Coaching Minor

Code	Title	Credits
Required Courses		
HPER 108	Exercise Techniques for Resistance Training	1
HPER 207	Prevention and Care of Athletic Injuries	2
HPER 210	First Aid & CPR	1
HPER 307	Philosophy and Application of Coaching	2
HPER 308	Introduction to Nutrition	3
HPER 350	Sport Ethics	2
HPER 498	Coaching Practicum	1-2
Students taking Coaching Practicum must register for HPER 498 and arrange the Practicum through the course instructor. Prerequisites HPER 207 and HPER 210		
Electives		
Select 6 credits from the following:		6
COMM 415	Sports Information	
HPER 215	Motor Behavior	
HPER 225	Leadership in Sport	
HPER 258	Applied Anatomy, Physiology, and Human Performance	
HPER 259	Applied Anatomy, Physiology, and Human Performance	
HPER 335	Sport Law	
HPER 300	Drug Education and Information	
HPER 309	Sport Nutrition Concepts	
HPER 410	Organization and Adminstration of Physical Education and Sport	
HPER 425	Sport Psychology	
The same courses may not be used to fulfill requirements in two areas except when the student is graduating with a double major or more than one minor.		
Total Credits		18-19

Biology Minor

Code	Title	
Required General Education Courses		
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
Required Courses		
BIOL 150	General Biology I	4
BIOL 151	General Biology II	4
Electives		
Select 16 hours from the following:		16
BIOL 170	General Zoology	
BIOL 220	Human Anatomy and Physiology I	
BIOL 221	Human Anatomy and Physiology II	
BIOL 310	Microbiology	
BIOL 311	Botany	
BIOL 312	Botany	
BIOL 315	Genetics	
BIOL 330	North Dakota Flora	
BIOL 343	Ornithology	
BIOL 347	Aquatic Entomology	
BIOL 355	Mammalogy	
BIOL 367	Ichthyology	
BIOL 375	Conservation Biology	
BIOL 395	Laboratory Preparation and Management	
BIOL 410	Field Ecology	
BIOL 413	Restoration and Plant Ecology	
BIOL 440	Biostatistics and Experimental Design	
BIOL 441	Cell Biology	
BIOL 470	Limnology	
BIOL 194	Independent Study	
BIOL 294	Independent Study	
BIOL 394	Independent Study	
BIOL 199	Special Topics	
BIOL 299	Special Topics	
BIOL 399	Special Topics	
A total of 4 credits from BIOL x94 may be applied as directed electives.		
For the B.S. in Education degree, the student must substitute BIOL 490, if not already taken.		
Total Credits		24

Business Minor

Credits The Business minor will complement any major offered at VCSU. Students will learn the fundamentals of business and how they can apply it in their career fields.

Code	Title	Credits
Required Courses		
ACCT 200	Elements of Accounting I	3
ACCT 201	Elements of Accounting II	3
ACCT 315	Business in the Legal Environment	3
BUSI 214	Business Communications	3
Directed Electives		
Select the Teaching Electives or the Non Teaching Electives		12
Teaching Electives		
BUSI 102	Keyboarding Methods	
BUSI 336	Business Data Solutions	
BUSI 490	Methods and Materials for Teaching Business Subjects	
MGMT 460	International Business	
Non Teaching Electives		
FIN 375	Managerial Finance	
MGMT 330	Principles of Management	
MGMT 460	International Business	
MRKT 305	Principles of Marketing	
Total Credits		24

Business Software Applications Minor

This minor adds business and technology fundamentals to your major degree, whether that is in business or another area. Students who complete this minor will have a competitive edge for jobs in industries utilizing digital technologies.

Code	Title	Credits
Required Courses		
ACCT 200	Elements of Accounting I	3
ACCT 201	Elements of Accounting II	3
BUSI 336	Business Data Solutions	3
CIS 147	Principles of Information Security	3
CIS 341	Customer Relationship Management Software Administration	3
CIS 369	Enterprise Systems	3
MRKT 310	Digital Marketing	3
SE 379	Social Implications of Computers	3
B.S. in Education students must take BUSI 490 Methods and Materials for Teaching Business Subjects instead of a programming course.		
Total Credits		24

Chemistry Minor

Code	Title	Credits
Required General Education Courses		
Select one of the following:		
PHYS 211	College Physics I	
& PHYS 212	and College Physics II	
PHYS 251	University Physics I	
& PHYS 252	and University Physics II	
Required Courses		
CHEM 121	General Chemistry I	5
CHEM 122	General Chemistry II	5
CHEM 330	Quantitative Analysis I	4
CHEM 341	Organic Chemistry I	5
Electives		
Select 5 hours from the following:		5
CHEM 331	Quantitative Analysis II	
CHEM 342	Organic Chemistry II	
CHEM 360	Elements of Biochemistry	
CHEM 395	Laboratory Preparation and Management	
CHEM 411	Physical Chemistry I	
CHEM 412	Physical Chemistry II	
CHEM 425	Inorganic Chemistry	
CHEM 194	Independent Study	
CHEM 294	Independent Study	
CHEM 394	Independent Study	
CHEM 494	Undergraduate Research	
Total Credits		24

For the Bachelor of Science in Education degree, the student must substitute CHEM 490 Secondary Science Methods and Techniques if not already taken, for a directed elective.

Communication Minor

Code	Title	Credits
Required Courses		
COMM 212	Interpersonal Communication	3
COMM 216	Intercultural Communication	3
Select one of the following Concentrations		18
Total Credits		24

Concentration in Communication

Code	Title	Credits
Required Courses		
COMM 200	Introduction to Media Writing	3
COMM 360	Group Dynamics	3
COMM 311	Communication and Interviewing	3
Electives		
At least 9 credits from additional Communication courses at the 300 level or above		9
Total Credits		18

Concentration in Speech, Communication, & Theatre for Teachers

Code	Title	Credits
Required Courses		
COMM 200	Introduction to Media Writing	3
COMM 211	Oral Interpretation	3
THEA 110	Introduction to Theatre Arts	3
Electives		
Any other COMM or THEA courses. ¹		9
Students interested in Musical Theatre may, in consultation with the Communication Arts Department Chair and the Music Department Chair, apply six hours of music courses as directed electives		
Total Credits		18

¹ Students may use only two credits each of THEA 201 Theatre Practicum and THEA 301 Theatre Workshop toward minor.

Computer Science Minor

Code	Title	Credits
Required Courses		
CSCI 160	Introduction to Structured Programming I	3
CSCI 161	Introduction to Structured Programming II	3
Electives		
Select 12 hours from courses with the prefix CSCI, SE, or CIS.		12
The student must have at least three hours from the directed electives that are not in major requirements or major electives.		
Total Credits		18

Digital Design Minor

Minor Requirements

Code	Title	Credits
Required Courses		
ART 115	Introduction to Digital Media	3
ART 122	Two Dimensional Design	3
ART 130	Drawing I	3
ART 180	Photography I	3
ART 215	Graphic Design I	3
ART 235	Digital Illustration I	3
ART 345	History of Graphic Design	3
Total Credits		21

Earth and Environmental Science Minor

Code	Title	Credits
Required General Education Courses		
CHEM 115	Introductory Chemistry	
or CHEM 12	General Chemistry I	
PHYS 100	Concepts of Physics	
or PHYS 211	College Physics I	
Required Courses		
GEOL 100	Introduction to Earth Science	4
GEOL 106	The Earth Through Time	4
GEOL 300	Environmental Earth Science	4
GEOL 315	Soil Science and Survey	4
Electives		
Select 8 hours from the following:		8
BIOL 267	Environmental History	
BIOL 350	Environmental Contaminants	
BIOL 375	Conservation Biology	
BIOL 410	Field Ecology	
BIOL 413	Restoration and Plant Ecology	
BIOL 455	Introduction to GIS	
BIOL 470	Limnology	
GEOL 416	Hydrology	
PHYS 110	Introductory Astronomy	
PHYS 275	Planetarium Science	
Total Credits		24

For the Bachelor of Science in Education degree, the student must substitute BIOL 490 Secondary Science Methods and Techniques or CHEM 490 Secondary Science Methods and Techniques if not already taken, for a directed elective.

English Minor

Code	Title	Credits
Required Courses		
ENGL 310	Writing in the Major	3
ENGL 371	Critical Theory	3
ENGL 480	Shakespeare	3
Electives		
Literature Electives above 220 ¹		9
Writing Electives ²		4
Total Credits		22

¹ With a Bachelor of Science in Education degree, the student will take ENGL 350: Young Adult Reading and Literature and ENGL 490: Methods of Teaching English as literature electives.

² With a Bachelor of Science in Education degree, the student will take ENGL 300: Grammatical Analysis as a writing elective.

Students are required to contact the Language and Literature Dept Chair for information about the minor.

Health Education Minor

Code	Title	Credits
Required Courses		
HPER 210	First Aid & CPR	1
HPER 300	Drug Education and Information	3
HPER 308	Introduction to Nutrition	3
HPER 315	Communicable and Non-Communicable Diseases	3
HPER 380	Instructional Methods in Human Sexuality	3
HPER 390	Secondary Health Education Methods	3
HPER 400	Current Issues in Community Health	3
Electives		
Select 3-4 hours from the following:		3-4
BIOL 220	Human Anatomy and Physiology I	
BIOL 221	Human Anatomy and Physiology II	
BIOL 310	Microbiology	
BIOL 315	Genetics	
HPER 206	Fundamentals of Teaching Health and Physical Education	
HPER 207	Prevention and Care of Athletic Injuries	
HPER 208	Introduction to Physical Education	
HPER 212	Introduction to Stress Management	
HPER 258	Applied Anatomy, Physiology, and Human Performance	
HPER 259	Applied Anatomy, Physiology, and Human Performance	
HPER 285	Introduction to Adapted Physical Education	
HPER 410	Organization and Administration of Physical Education and Sport	
MATH 321	Applied Probability and Statistics	
PSYC 370	Abnormal Psychology	
SOC 220	The Family	
SOC 251	Introduction to Gerontology	
Total Credits		22-23

Health Studies Minor

Code	Title	Credits
Required Courses		
HPER 210	First Aid & CPR	1
HPER 212	Introduction to Stress Management	2
HPER 300	Drug Education and Information	3
HPER 315	Communicable and Non-Communicable Diseases	3
HPER 380 or PSYC 380	Instructional Methods in Human Sexuality Human Sexuality	3
HPER 400	Current Issues in Community Health	3
PSYC 480	Health Psychology	3
Directed Electives (2 courses required)		4-6
HPER 350	Sport Ethics	
HPER 308	Introduction to Nutrition	
HPER 425	Sport Psychology	
SOC 220	The Family	
SOC 251	Introduction to Gerontology	
Total Credits		22-24

History Minor

Code	Title	Credits
Required Courses		
HIST 103	United States to 1877	3
HIST 104	United States to Present	3
HIST 211	World Civilizations to 1500	3
HIST 212	World Civilizations since 1500	3
HIST 470	Topics in Non-Western History	3
Electives		
The Americas		
Select 6 hours from the following:		6
HIST 220	North Dakota History	
HIST 267	Environmental History	
HIST 270	Native American Studies	
HIST 300	Race, Ethnic, and Gender Relations	
HIST 320	History of American West	
HIST 330	History of the Civil War Era (1850-1877)	
HIST 375	U.S. Constitution: Federalism	
HIST 376	U.S. Constitution: Civil Liberties	
HIST 380	The American Presidency	
The World		
Select 3 hours from the following:		3
HIST 321	History of Ancient Greece and Rome	
HIST 325	History and Geography of England and Britain	
HIST 454	Renaissance/Reformation	
Total Credits		24

Human Resources Minor

Credits The Human Resources Minor is designed to help students learn the fundamentals of human resources and be familiar with how to apply it in their career field. This minor will build students' awareness of labor relations and laws, recruiting in the workforce, benefits, training, and safety/health issues. Students will be made aware of the internal mechanics of business and will develop management, communication, and interviewing skills.		
Code	Title	Credits
Required Courses		
COMM 304	Corporate Communication	3
COMM 311	Communication and Interviewing	3
COMM 483	Organizational Communication	3
MGMT 235	Diversity in the Workplace	3
MGMT 270	Business Ethics	3
MGMT 330	Principles of Management	3
MGMT 340	Human Resource Management	3
Total Credits		21

Library Media and Information Science Minor

Code	Title	Credits
Required Courses		
LMIS 250	Introduction to the Library's Essential Role in Schools	3
LMIS 360	Collection Development	3
LMIS 365	The Organization of Information	3
LMIS 370	Reference Sources and Services	3
LMIS 430	Administration of the School Library	3
LMIS 445	Standards for Effective Libraries	3
LMIS 470	Current Issues in Librarianship	3
Electives		
EDUC 330 or ENGL 350	Children's Literature Young Adult Reading and Literature	3
ND Library Media and Credential Information Completion of the five basic courses (LMIS 250, LMIS 360, LMIS 365, LMIS 370, LMIS 430) in the Library Minor and Teacher Certification qualifies students as Library Media Specialists at LM03 level in ND. Completion of the Library Minor (24 hours) as described in the catalog and ND Teacher Certification qualifies students as a Library Media Specialist in ND at the LM02 level.		
Total Credits		24

Marketing Minor

The Marketing minor is designed to meet the requirements to teach marketing as set forth by the ND Department of Career & Technical Education. Students seeking CTE certification must take BUSI 490 Methods and Materials for Teaching Business Subjects, CTE 431 History, Philosophy and Practices of Career and Technical Education, CTE 432 Coordinating Cooperative Education Learning, and CTE 434 Leadership in Career and Technical Student Organizations.

Teaching

Code	Title	Credits
Required Courses		
MGMT 330	Principles of Management	3
MRKT 305	Principles of Marketing	3
MRKT 310	Digital Marketing	3
MRKT 375	Consumer Behavior	3
MRKT 415	Marketing Research	3
Teaching Electives		
Required Courses		
BUSI 490	Methods and Materials for Teaching Business Subjects	3
CTE 434	Leadership in Career and Technical Student Organizations	3
Directed Electives		
Select 3 hours from the following:		3
ART 115	Introduction to Digital Media	
CTE 431	History, Philosophy and Practices of Career and Technical Education	
CTE 432	Coordinating Cooperative Education Learning	
COMM 314	Public Relations	
ENGL 420	Writing for the Web	
MRKT 340	Professional Sales	
MRKT 370	Advertising and Promotions	
MRKT 405	Retailing	
MRKT 414	Social Media Management	
Total Credits		24

Non-Teaching

Code	Title	Credits
Required Courses		
MGMT 330	Principles of Management	3
MRKT 305	Principles of Marketing	3
MRKT 310	Digital Marketing	3
MRKT 370	Advertising and Promotions	3
MRKT 375	Consumer Behavior	3
MRKT 415	Marketing Research	3
Directed Electives		
Select 6 hours from the following:		6
ART 115	Introduction to Digital Media	
COMM 314	Public Relations	
ENGL 420	Writing for the Web	
MRKT 340	Professional Sales	
MRKT 405	Retailing	
MRKT 414	Social Media Management	
Total Credits		24

Mathematics Minor

Code	Title	Credits
Required Course		
MATH 165	Calculus I	4
Select one of the following Concentrations		18-19
Total Credits		22-23

Mathematics Education Concentration

Code	Title	Credits
Required Courses		
MATH 313	Algebra and Functions for Teachers	3
MATH 314	Geometry & Trigonometry for Teachers	3
MATH 490	Teaching Secondary School Mathematics	3
Elective Courses		
Select 9 credits from the following:		9
MATH 166	Calculus II	
MATH 208	Discrete Mathematics	
MATH 321	Applied Probability and Statistics	
or MATH 210 Elementary Statistics		
MATH 330	Linear Algebra and Matrices	
Total Credits		18

Mathematics (non-teaching) Concentration

Code	Title	Credits
Required Courses		
MATH 166	Calculus II	4
MATH 321	Applied Probability and Statistics	3
or MATH 210 Elementary Statistics		
Elective Courses		
Select 12 credits from the following:		12
MATH 208	Discrete Mathematics	
MATH 265	Calculus III	
MATH 266	Introduction to Differential Equations	
MATH 330	Linear Algebra and Matrices	
MATH 340	Abstract Algebra	
MATH 394	Independent Study	
MATH 400	History and Philosophy of Mathematics	
MATH 410	Real Analysis	
MATH 494	Undergraduate Research	
MATH 497	Internship	
Total Credits		19

Music Audio Production Minor

The Music Audio Production minor includes instruction in music theory, composition, performance, and the rotation of industry coursework included in the BA/BS in Music: Audio Production Concentration. This minor is an excellent pair with a major in Business, Communication, or other arts programs to create a personalized plan for your career in the arts.

Code	Title	Credits
Required Courses		
MUS 109	Music Theory I	3
MUS 111	Class Piano I	1
or MUS 154	Applied Guitar	
MUS 121	Aural Skills I	1
MUS 209	Introduction to the Modern Recording Studio	3
MUS 307	Recording and Mixing Techniques	3
MUS 309	The Business of Music	3
MUS 312	Electronic Music Production	3
MUS 320	Popular Composition	2
MUS 492	Music Academic Capstone	1-3
Electives		3
Courses from BUSI, COMM, MGMT, MRKT, or MUS		
Total Credits		23-25

Music Education Minor

The Music Education Minor is designed to help Elementary Education majors hone their skills in music and prepare them to use music in their classrooms. It includes instruction in basic music theory and aural skills, voice, guitar, piano, and elementary music methods. Elementary Education students who complete this minor are eligible for a K-8 Music endorsement on their North Dakota Teaching License.

Code	Title	Credits
MUS 109	Music Theory I	3
MUS 110	Music Theory II	3
MUS 111	Class Piano I	1
MUS 112	Class Piano II	1
MUS 121	Aural Skills I	1
MUS 122	Aural Skills II	1
MUS 131	Concert Choir	1
MUS 152	Voice Class	1
MUS 205	Basic Conducting	2
MUS 224	Guitar Methods	1
MUS 390	Music in the Elementary School	3
Electives (Any MUS credits)		3
Total Credits		21

Music Minor

The Music Minor will complement any major offered at VCSU. It is designed to help those students with a love of music and previous performance experience to improve their knowledge of music theory and history, as well as increase their performance skills for a lifetime of enjoyment. The minor can be completed in four semesters.

Code	Title	Credits
Required Courses		
MUS 109	Music Theory I	3
MUS 110	Music Theory II	3
MUS 121	Aural Skills I	1
MUS 122	Aural Skills II	1
MUS 200	Music Convocation ¹	0
Choose one of the following:		3
MUS 100	Music Appreciation	
MUS 206	World Music	
MUS 207	History of Rock and Roll	
MUS 331	Music History & Literature I	
100-Level Applied Music (2 semesters) ²		2
Ensembles		4
Choose any from the following:		
MUS 130	Valkyries	
MUS 131	Concert Choir	
MUS 132	University Singers	
MUS 133	Opera Ensemble	
MUS 134	Piano Ensembles	
MUS 140	Athletic Band	
MUS 141	Concert Band	
MUS 142	Jazz Ensemble	
MUS 143	Commercial Music Ensemble	
MUS 144	Percussion Ensemble	
MUS 145	Brass Ensemble	
MUS 146	Woodwind Ensemble	
MUS 148	Orchestra	
MUS 149	Wind Ensemble	
Electives (from MUS courses)		4
Total Credits		21

¹ Student must take MUS 200 concurrently with Applied Music.

² Students may substitute class instruction for Applied Music.

Physical Education (Elementary and Secondary) Minor

Code	Title	Credits
Required General Education Courses		
BIOL 111	Concepts of Biology	
Required Courses		
HPER 206	Fundamentals of Teaching Health and Physical Education	3
HPER 208	Introduction to Physical Education	3
HPER 210	First Aid & CPR	1
HPER 215	Motor Behavior	3
HPER 285	Introduction to Adapted Physical Education	3
HPER 314	Activities for the Physical Educator	3
HPER 325	Instructional Methods in the Elementary Physical Education Classroom	3
HPER 490	Methods of Teaching K-12 Physical Education	3
The student seeking a Physical Education minor is required to pass a proficiency test in swimming. The test is given during the final exam week of each semester.		
Total Credits		22

Physics Minor

Code	Title	Credits
Required General Education Courses		
CHEM 121	General Chemistry I	
MATH 165	Calculus I	
Required Courses		
PHYS 110	Introductory Astronomy	4
Select one of the following series:		8-10
PHYS 251 & PHYS 252	University Physics I and University Physics II	
or		
PHYS 211 & PHYS 212	College Physics I and College Physics II	
PHYS 376	Embedded Systems	3
Electives		
Select 1 of the following:		1
PHYS 199	Special Topics	
PHYS 275	Planetarium Science	
PHYS 299	Special Topics	
PHYS 395	Laboratory Preparation and Management	
Select 1 of the following:		3-4
PHYS 494	Undergraduate Research	
PHYS 497	Internship	
CHEM 411	Physical Chemistry I	
CHEM 412	Physical Chemistry II	
Total Credits		19-22

Piano Pedagogy Minor

The Piano Pedagogy minor is recommended for all intended future educators who seek the opportunity to enhance their musical and teaching skills specific in the area of piano. This minor pairs well with any Education degree for the enterprising student to prepare them to teach piano in applied study.

Code	Title	Credits
Required Courses		
MUS 109	Music Theory I	3
MUS 121	Aural Skills I	1
MUS 150	Applied Piano (Two Semesters)	4
MUS 250	Applied Piano (Two Semesters)	4
MUS 332	Music History & Literature II	3
MUS 378	Applied Pedagogy	3
MUS 379	Piano Pedagogy	3
The student must achieve a grade of C or better in each of the specified courses.		
Total Credits		21

Political Science Minor

Code	Title	Credits
Required Courses (9 credits)		
POLS 115	American National Government	3
POLS 375	U.S. Constitution: Federalism	3
or POLS 376	U.S. Constitution: Civil Liberties	
POLS 420	Comparative Politics	3
or POLS 425	International Relations	
Elective Courses (12 credits minimum)		12
POLS 116	State and Local Government	
POLS 330	Understanding Statistics	
POLS 340	Research Methods	
POLS 345	International Political Economy	
POLS 380	The American Presidency	
POLS 376	U.S. Constitution: Civil Liberties	
or POLS 375	U.S. Constitution: Federalism	
POLS 425	International Relations	
or POLS 420	Comparative Politics	
Total Credits		21

Psychology Minor

Code	Title	Credits
Required Courses		
PSYC 111	Introduction to Psychology	3
PSYC 250	Developmental Psychology	3
Electives		
Select 12 hours from the following:		12
PSYC 240	Cognition and Brain Science	
PSYC 310	Behavior Modification	
PSYC 350	Social Psychology	
PSYC 360	Group Dynamics	
PSYC 370	Abnormal Psychology	
PSYC 380	Human Sexuality	
PSYC 450	Personality Theories	
PSYC 470	Counseling Theory and Practice	
PSYC 480	Health Psychology	
SOC 220	The Family ¹	
SOC 251	Introduction to Gerontology ¹	
SOC 390	Criminology and Delinquency ¹	
Total Credits		18

¹ Only three credits can come from SOC courses.

Sociology Minor

Code	Title	Credits
Required Courses		
SOC 110	Introduction to Sociology ¹	3
SOC 422	Social Science Theory	3
Electives		
Any SOC prefix course can be used to complete this section.		15
Total Credits		21

¹ Prerequisite for any SOC 200, 300, or 400 level SOC course.

Spanish Minor

The Spanish minor rewards those who wish to learn a second language with a pathway to fluency as well as serving as a perfect minor for anyone looking to add value to their occupational profiles. Spanish speakers are highly sought after in careers as varied as health care and marketing and much in between—government work, social work, human services careers, web design, business generally, and education—to name a few, and the soft skills involved in learning a language bring many additional benefits as well.

Code	Title	Credits
Required Courses		
SPAN 101	1st Year Spanish I	3
SPAN 102	1st Year Spanish II	3
SPAN 201	2nd Year Spanish I	3
SPAN 202	2nd Year Spanish II	3
SPAN 215	Spanish Conversation	3
SPAN 220	Introduction to Hispanic Literature & Culture	3
SPAN 251	Spanish Grammar and Composition	3
Choose one of the following options:		3-4
Option 1		
SPAN 391	Global Seminar	
SPAN 396	Travel to a Spanish Speaking Country	
Option 2		
SPAN 415	Advanced Spanish Conversation	
Total Credits		24-25

Teaching English Language Learners Minor

Code	Title	Credits
Required Courses		
EDUC 283	Understanding Cultural Diversity in Education	3
EDUC 361	Foundations of Bilingual/Multicultural Education	2
EDUC 363	Assessing ELL Proficiency	2
EDUC 390	Methods of Teaching ELL	2
EDUC 464	Practicum in the ELL Classroom	2
ENGL 309	Linguistics and Language Acquisition	3
ENGL 409	Language and Culture	3
Electives		
Select 5-6 hours from the following:		5-6
COMM 216	Intercultural Communication	
EDUC 313	Language and Literacy in Early Childhood Education	
ENGL 300	Grammatical Analysis	
ENGL 350	Young Adult Reading and Literature	
In addition, students must complete one semester or equivalent (one year of high school foreign language study or other as determined by the Department Chair) of college level study in non-native language.		
Total Credits		22-23

Technical Writing Minor

Code	Title	Credits
Required Courses		
CIS 329	Information Systems Management	3
ENGL 410	Technical and Scientific Writing	3
ENGL 420	Writing for the Web	3
SE 381	Project Management	3
Directed Electives		
Select twelve hours from the following:		12
CIS 180	Creating Web Pages I	
CIS 369	Enterprise Systems	
CIS 371	Enterprise Systems II	
CIS 440	Advanced Digital Web Design	
COMM 315	Digital Communication	
COMM 414	Social Media Management	
CSCI 127	Introduction to Programming in Java	
SE 380	Systems Analysis and Design	
Total Credits		24

Technology Education Minor

Code	Title	Credits
Required Courses		
STEM ED 306	Inventions and Innovations - Technology Education for Children	3
STEM ED 331	Innovation and Engineering Design	3
STEM ED 411	STEM Curriculum and Methods	3
STEM ED 431	Design for Engineering	3
STEM ED 450	Engineering the Future Using Computational Thinking	3
TECH 330	Exploring Technology Through PLTW	3
TECH 356	Safety and Management in Technology Education	3
Electives		
Select 3 hours from the following:		3
STEM ED 310	Design, Technology and Engineering for Children	
STEM ED 342	Data Collection and Analysis	
STEM ED 355	STEM Curriculum and Methods for Elementary	
TECH 300	3D Modeling and Design	
TECH 371	Technology Systems	
TECH 391	Foundations of Technology	
TECH 394	Independent Study	
TECH 416	Innovations in Energy and Power Technologies	
TECH 456	Intelligent Machines	
TECH 478	Technology, Society, and Sustainability	
Total Credits		24

Certificates

For full listing of programs, see Undergraduate Programs.
(p. 113)

- Allied Health Certificate (p. 364)
- Athletic Coaching Certificate (p. 364)
- Business Management Certificate (p. 364)
- College Studies Certificate (p. 365)
- Customer Relationship Management Certificate (p. 366)
- Cybersecurity for Information Systems Management Certificate (p. 366)
- Digital Design Certificate (p. 366)
- Digital Marketing Certificate (p. 366)
- Enterprise Applications Certificate (p. 367)
- Healthcare Aide Certificate (p. 367)
- Music Audio Production Certificate (p. 367)
- Music Composition Certificate (p. 367)
- Piano Pedagogy Certificate (p. 368)
- Professional Sales Certificate (p. 368)
- Software Development Certificate (p. 368)
- Spanish Certificate (p. 368)
- STEM Education - Elementary Certificate (p. 369)
- STEM Education - Secondary Certificate (p. 369)
- Strength and Conditioning Certificate (p. 369)

Allied Health Certificate

Code	Title	
Required Courses		
BIOL 171	Medical Terminology	3
or HPER 128	Communication for Health Care Professionals	
BIOL 220	Human Anatomy and Physiology I	4
BIOL 221	Human Anatomy and Physiology II	4
CIS 170	Introduction to Computer Information Systems	3
COMM 110	Fundamentals of Public Speaking	3
or COMM 212	Interpersonal Communication	
ENGL 110	College Composition I	3
MATH 103	College Algebra	3
or MATH 104	Finite Mathematics	
or MATH 107	Precalculus	
or MATH 210	Elementary Statistics	
Elective Courses		
Choose 7 credits from the following:		7
AH 101	Nursing Assistant Training	
AH 102	Cardiographic Technician Training	
BIOL 150	General Biology I	
BIOL 310	Microbiology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
ENGL 120	College Composition II	
PHARM 215	Introduction to Pharmacology (Dakota College at Bottineau)	
PHYS 100	Concepts of Physics	

PSYC 111	Introduction to Psychology
PSYC 250	Developmental Psychology
PSYC 370	Abnormal Psychology
Or one of the following:	
HPER 308	Introduction to Nutrition
NUTR 240	Principals of Nutrition (Dakota College at Bottineau)
Total Credits	
30	

Athletic Coaching Certificate

Code	Title	Credits
Required Courses		
HPER 108	Exercise Techniques for Resistance Training	1
HPER 207	Prevention and Care of Athletic Injuries	2
HPER 210	First Aid & CPR	1
HPER 307	Philosophy and Application of Coaching	2
HPER 350	Sport Ethics	2
HPER 498	Coaching Practicum	1-2
Electives		
Select one of the following:		2-3
HPER 212	Introduction to Stress Management	
HPER 300	Drug Education and Information	
HPER 308	Introduction to Nutrition	
HPER 309	Sport Nutrition Concepts	
HPER 410	Organization and Administration of Physical Education and Sport	
HPER 425	Sport Psychology	
Students taking Coaching Practicum must register for HPER 498 and arrange the Practicum through the course instructor.		
Prerequisites: HPER 207 and HPER 210		
The same courses may not be used to fulfill requirements in two areas except when the student is graduating with a double major or more than one minor.		
Total Credits		11-13

Business Management Certificate

Code	Title	Credits
Required Courses		
ACCT 200	Elements of Accounting I	3
ACCT 201	Elements of Accounting II	3
ACCT 307	Managerial Accounting and Finance	3
MGMT 330	Principles of Management	3
Directed Electives		
BUSI 214	Business Communications	3
BUSI 336	Business Data Solutions	
BUSI 485	Entrepreneurship	
MGMT 340	Human Resource Management	
MGMT 372	Foundations of Leadership	
Total Credits		15

College Studies Certificate

The College Studies Certificate offers a credential of completion for a student who does not plan to continue studying at VCSU.

These credits can come from dual credit or early entry credits while the student is in high school or can be earned while the student is enrolled at Valley City State University.

The flexibility of the requirements allows students to earn the College Studies Certificate in a variety of ways, either by focusing in a few areas of interest or being well-rounded in a variety of academic disciplines.

The College Studies Certificate is recorded on the student's official transcript and can be presented to an employer as proof the student has completed a range of college-level courses that will support their success in the workplace.

Code	Title	Credits
English Composition and Speech Communication		3-9
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
ENGL 110	College Composition I	
ENGL 120	College Composition II	
ENGL 125	Introduction to Professional Writing	
ENGL 210	College Composition III: Persuasive Writing	
Mathematics, Lab Science, & Technology		3-12
BIOL 111	Concepts of Biology	
BIOL 150	General Biology I	
BIOL 151	General Biology II	
BIOL 170	General Zoology	
CHEM 115	Introductory Chemistry	
CHEM 116	Introduction to Organic and Biochemistry	
CHEM 121	General Chemistry I	
CHEM 122	General Chemistry II	
CIS 170	Introduction to Computer Information Systems	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
GEOL 100	Introduction to Earth Science	
GEOL 106	The Earth Through Time	
MATH 103	College Algebra	
MATH 104	Finite Mathematics	
MATH 107	Precalculus	
MATH 165	Calculus I	
MATH 210	Elementary Statistics	
PHYS 100	Concepts of Physics	
PHYS 110	Introductory Astronomy	
PHYS 211	College Physics I	
PHYS 212	College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 240	Cognition and Brain Science	
SE 110	Discovering Computing	
TECH 161	Technology, Engineering, and Design	
Humanities, Fine Arts, & Social Science		3-9
ART 110	Introduction to the Visual Arts	

ART 122	Two Dimensional Design
ART 130	Drawing I
COMM 112	Understanding Media and Social Change
COMM 114	Human Communication
ECON 201	Principles of Microeconomics
ECON 202	Principles of Macroeconomics
ENGL 220	Introduction to Literature
ENGL 225	Introduction to Film
ENGL 232	Mythology
ENGL 241	World Literature I
ENGL 242	World Literature II
ENGL 261	American Literature I
ENGL 262	American Literature II
GEOG 151	Human Geography
HIST 103	United States to 1877
HIST 104	United States to Present
HIST 211	World Civilizations to 1500
HIST 212	World Civilizations since 1500
HIST 267	Environmental History
HIST 270	Native American Studies
HUM 201	Civilization, Thought, and Literary Heritage
HUM 202	Fine Arts and Aesthetics
MUS 100	Music Appreciation
MUS 101	Music Fundamentals
MUS 130	Valkyries
MUS 131	Concert Choir
MUS 140	Athletic Band
MUS 141	Concert Band
MUS 206	World Music
MUS 207	History of Rock and Roll
POLS 115	American National Government
POLS 116	State and Local Government
PSYC 111	Introduction to Psychology
PSYC 200	Ethics and Philosophy of Science
SOC 110	Introduction to Sociology
SPAN 101	1st Year Spanish I
SOC 111	Introduction to Anthropology
SPAN 102	1st Year Spanish II
SPAN 201	2nd Year Spanish I
SPAN 202	2nd Year Spanish II
THEA 110	Introduction to Theatre Arts
Additional Requirements	
Electives	3-15
Total Credits	24

Customer Relationship Management Certificate

Code	Title	Credits
Required Courses		
CIS 341	Customer Relationship Management Software Administration	3
CIS 470	Customer Relationship Management (CRM) and Business Intelligence (BI)	4
CSCI 127	Introduction to Programming in Java	3
SE 331	Customer Relationship Management Software Development	3
SE 381	Project Management	3
SE 385	Database Theory/Design	3
Total Credits		19

Cybersecurity for Information Systems Management Certificate

Code	Title	Credits
Required Courses		
Information Security Fundamentals Competency		3
CIS 147	Principles of Information Security	
Programming and Problem Solving Competency		3
Choose one of the following courses:		
SE 110	Discovering Computing	
CSCI 127	Introduction to Programming in Java	
CSCI 160	Introduction to Structured Programming I	
CSCI 161	Introduction to Structured Programming II	
Networks, Network Security, Information Technology Practices Competency		3
CIS 164	Networking Fundamentals I	
Social and Ethical Implications Competency		3
SE 379	Social Implications of Computers	
Specialized Topics in Cybersecurity Competency		3
CIS 142	Ethical Hacking & Network Defense	
Industry-related Experience		3
Choose one of the following:		
SE 480	Capstone	

SE 497	Internship	
Total Credits		18

Digital Design Certificate

Code	Title	Credits
Required Courses		
ART 115	Introduction to Digital Media	3
ART 122	Two-Dimensional Design	3
ART 180	Photography I	3
CIS 180	Creating Web Pages I	3
or ART 245	Introduction to Web Design	
COMM 315	Digital Communication	3
Total Credits		15

Digital Marketing Certificate

Required Courses

Code	Title	Credits
MRKT 305	Principles of Marketing	3
MRKT 310	Digital Marketing	3
MRKT 375	Consumer Behavior	3
MRKT 414	Social Media Management	3
Total Credits		12

Enterprise Applications Certificate

Code	Title	Credits
Required Courses		
CIS 369	Enterprise Systems	3
SE 381	Project Management	3
Electives		
Select 12-13 hours from the following:		12-13
CIS 276	Business Language	
CIS 371	Enterprise Systems II	
CIS 410	Advanced Business Languages	
CIS 470	Customer Relationship Management (CRM) and Business Intelligence (BI)	
CIS 475	Integration of Business Processes in SAP ERP	
CSCI 160	Introduction to Structured Programming I	
CSCI 365	Programming Language Topics	
SE 380	Systems Analysis and Design	
SE 385	Database Theory/Design	
Total Credits		18-19

Healthcare Aide Certificate

Code	Title	Credits
Required Courses		
AH 101	Nursing Assistant Training	2
or AH 102	Cardiographic Technician Training	
BIOL 171	Medical Terminology	3
or HPER 128	Communication for Health Care Professionals	
CIS 170	Introduction to Computer Information Systems	3
ENGL 110	College Composition I	3
MATH 103	College Algebra	3
or MATH 104	Finite Mathematics	
or MATH 107	Precalculus	
or MATH 210	Elementary Statistics	
Total Credits		14

Music Audio Production Certificate

Credits The Audio Production certificate provides students with an entry-level experience in current audio production techniques, using the most recent equipment to complete individual recording projects. This certificate is an excellent option for anyone planning to utilize audio production techniques as part of their future career in a music or sound-related field.

Code	Title	Credits
Required Courses		
MUS 101	Music Fundamentals	3
or MUS 109	Music Theory I	
MUS 209	Introduction to the Modern Recording Studio	3
MUS 307	Recording and Mixing Techniques	3
MUS 312	Electronic Music Production	3
MUS 320	Popular Composition	2
MUS 492	Music Academic Capstone	1-3
Choose one of the following:		1
MUS 111	Class Piano I	
MUS 150	Applied Piano	
MUS 154	Applied Guitar	
Total Credits		16-18

Music Composition Certificate

Code	Title	Credits
Required Courses		
MUS 109	Music Theory I	3
MUS 110	Music Theory II	3
MUS 121	Aural Skills I	1
MUS 122	Aural Skills II	1
MUS 201	Music Theory III	3
MUS 203	Aural Skills III	1
MUS 220	Classical Composition	2
MUS 320	Popular Composition	2
The Certificate in Composition can be completed in three semesters with a specific focus in the study of compositional styles, transformational procedures in composition, and their creative applications.		
Total Credits		16

Piano Pedagogy Certificate

The Piano Pedagogy certificate is recommended for all intended and current studio instructors who seek the opportunity to enhance their musical and teaching skills for the betterment of their piano students. An audition showing current piano performance ability is required for admission.

Code	Title	Credits
Required Courses		
MUS 109	Music Theory I	3
MUS 121	Aural Skills I	1
MUS 332	Music History & Literature II	3
MUS 378	Applied Pedagogy	3
MUS 379	Piano Pedagogy	3
Total Credits		13

Professional Sales Certificate

Code	Title	Credits
Required Courses		
MGMT 270	Business Ethics	3
MRKT 305	Principles of Marketing	3
MRKT 310	Digital Marketing	3
MRKT 340	Professional Sales	3
Directed Electives		3
BUSI 497	Internship	
COMM 314	Public Relations	
MRKT 370	Advertising and Promotions	
MRKT 375	Consumer Behavior	
MRKT 405	Retailing	
MRKT 414	Social Media Management	
Total Credits		15

Software Development Certificate

Code	Title	Credits
Required Courses		
Programming and Data Structures Competency		6
CSCI 160	Introduction to Structured Programming I	
CSCI 161	Introduction to Structured Programming II	
Software Engineering Fundamentals Competency		6
Choose two of the following:		
SE 201	Introduction to Software Engineering	
SE 211	Software Construction	
SE 311	Software Design and Architecture	
SE 380	Systems Analysis and Design	
Specialized and Advanced Topics in Software Development Competency		3
Choose one of the following:		
SE 212	Software Engineering Approach to Human Computer Interaction	
SE 370	Computer Organization & Systems	
SE 376	Embedded Systems	
SE 385	Database Theory/Design	
Industry-related Experience Competency		3
Choose one of the following:		
SE 480	Capstone	
SE 497	Internship	
Total Credits		18

Spanish Certificate

Code	Title	Credits
Required Courses		
SPAN 101	1st Year Spanish I	3
SPAN 102	1st Year Spanish II	3
SPAN 201	2nd Year Spanish I	3
SPAN 202	2nd Year Spanish II	3
SPAN 215	Spanish Conversation	3
Total Credits		15

STEM Education - Elementary Certificate

Code	Title	Credits
Required Courses		
STEM ED 355	STEM Curriculum and Methods for Elementary	3
Electives		
Select 9-10 hours from the following:		9-10
STEM ED 306	Inventions and Innovations - Technology Education for Children	
STEM ED 310	Design, Technology and Engineering for Children	
STEM ED 342	Data Collection and Analysis	
STEM ED 160	Integrative Physical Science for Elementary	
Total Credits		12-13

*Coursework for the certificate will also meet the requirements for a North Dakota STEM Education Endorsement. Graduates must apply through the North Dakota Educational Standards and Practices Board.

STEM Education - Secondary Certificate

Code	Title	Credits
Required Course		
STEM ED 411	STEM Curriculum and Methods	3
Electives		
Select 9 hours from the following:		9
STEM ED 342	Data Collection and Analysis	
STEM ED 331	Innovation and Engineering Design	
STEM ED 431	Design for Engineering	
STEM ED 450	Engineering the Future Using Computational Thinking	
Total Credits		12

*Coursework for the certificate will also meet the requirements for a North Dakota STEM Education Endorsement. Graduates must apply through the North Dakota Educational Standards and Practices Board.

Strength and Conditioning Certificate

Code	Title	Credits
Required Courses		
HPER 109	Exercise Techniques and Program Design	3
HPER 210	First Aid & CPR	1
or HPER 311	Emergency Response Management	
HPER 258	Applied Anatomy, Physiology, and Human Performance	3
HPER 259	Applied Anatomy, Physiology, and Human Performance	3
HPER 384	Fitness Assessment and Prescription	3
Total Credits		13

Certificate of Completion

For full listing of programs, see Undergraduate Programs.
(p. 113)

- Middle Level Education Certificate of Completion
(p. 370)
- Reading Certificate of Completion (p. 370)

Middle Level Education Certificate of Completion

Code	Title	Credits
Required Courses		
EDUC 305	Philosophy and Curriculum of Middle Level Education	3
EDUC 375	Teaching Reading in the Content Areas	2
EDUC 470	Methods of Teaching in the Middle School	3
Total Credits		8

For additional information regarding adding an endorsement to a teaching license please visit OneStop (<https://onestop.vcsu.edu/support/solutions/articles/10000052044-nd-middle-level-certificate-of-completion/>).

Reading Certificate of Completion

All coursework leading to the certificate is offered online.

Code	Title	Credits
EDUC 375	Teaching Reading in the Content Areas	2
EDUC 430	Diagnosis and Correction of Reading Difficulties	3
EDUC 431	Practicum in Corrective Reading (Elementary)	2
Total Credits		7

Endorsements

For full listing of programs, see Undergraduate Programs. (p. 113)

- Early Childhood Endorsement (p. 371)
- Kindergarten Endorsement (p. 371)
- Strategist Special Education Endorsement (p. 372)
- Teaching English Language Learners (ELL) Endorsement (p. 372)

Early Childhood Endorsement

Accredited online coursework for Early Childhood Endorsement

The ND Early Childhood Endorsement certifies teachers to teach preschool and kindergarten in accredited settings. An Early Childhood Endorsement is an attachment to an Elementary Education license and though originally designed for the re-education for teachers, VCSU encourages Elementary Education Majors to consider this option if they have a desire to teach preschool or kindergarten.

All coursework leading to the ND Early Childhood Endorsement is offered online. Coursework can be completed through VCSU and Casper College, WY.

Code	Title	Credits
Required Courses		
EDUC 310	Introduction to Early Childhood Education	3
EDUC 313	Language and Literacy in Early Childhood Education	2
EDUC 337	Pre-Kindergarten Observation and Assessment	3
EDUC 435	Kindergarten Education and Curriculum	4
EDUC 485	Student Teaching (Elementary)	5
EDEC 1200	Administration and Leadership in ECE (from Casper College)	3
EDEC 1035	Infant and Toddler Care lab (from Casper College)	1
EDEC 1030	Infant and Toddler Care (from Casper College)	2
Total Credits		23

Kindergarten Endorsement

Accredited online coursework for Kindergarten Endorsement

The ND Kindergarten Endorsement certifies teachers to teach preschool and kindergarten in accredited settings.

A Kindergarten Endorsement is an attachment to an Elementary Education license and though originally designed for the reeducation of teachers, VCSU encourages Elementary

Education Majors to consider this option if they have a desire to teach preschool or kindergarten.

Code	Title	Credits
EDUC 310	Introduction to Early Childhood Education	3
EDUC 313	Language and Literacy in Early Childhood Education	2
EDUC 337	Pre-Kindergarten Observation and Assessment	3
EDUC 435	Kindergarten Education and Curriculum	4
EDUC 485	Student Teaching (Elementary)	5
Total Credits		17

Strategist Special Education Endorsement

Why seek a Special Education Endorsement?

The strategist special education endorsement allows teachers with valid North Dakota educator's professional license in elementary education to:

- teach in an elementary education classroom
- teach or provide direct instruction to all LD, ED, or ID elementary students
- consult K-12, LD, or ID students

The Special Education Endorsement at VCSU follows the Endorsement requirements specified by the North Dakota Education Standards and Practices Board. Teachers outside North Dakota seeking to use this coursework for certification need to determine the specific requirements for teacher certification in their state. The Special Education Endorsement is predicated upon an education degree.

Code	Title	Credits
Required Courses		
EDUC 240	Educating Exceptional Students	3
EDUC 250	Introduction to Education	3
EDUC 300	Educational Technology	2
EDUC 323	Methods of Reading in the Elementary School	3
EDUC 430	Diagnosis and Correction of Reading Difficulties	3
SPED 310	Behavior Modification	3
SPED 333	Assessment of Students with Disabilities	3
SPED 340	Learning Disabilities, Emotional Disorders, and Intellectual Disabilities	3
SPED 380	Collaboration, Consultation, and Transition Planning for Students with Disabilities	3
SPED 382	Methods and Materials of SLD	2
SPED 383	Methods and Materials of ED	2
SPED 384	Methods and Materials of ID	2
SPED 486	Special Education Student Teaching in SLD, ED, 5 ID, and Assessment	5
Total Credits		37

Teaching English Language Learners (ELL) Endorsement

All coursework leading to the Endorsement in ELL is offered online.

The coursework requires a 60-hour ELL practicum where the student will observe, teach, and assess ELL students under the supervision of an endorsed ELL teacher. This allows pre-service teachers the opportunity to activity work with the populations that they will teach, and often the pre-service teachers are hired by the same school systems in which they perform their ELL.

Code	Title	Credits
Required Courses		
EDUC 283	Understanding Cultural Diversity in Education	3
EDUC 361	Foundations of Bilingual/Multicultural Education	2
EDUC 363	Assessing ELL Proficiency	2
EDUC 390	Methods of Teaching ELL	2
EDUC 464	Practicum in the ELL Classroom	2
ENGL 309	Linguistics and Language Acquisition	3
ENGL 409	Language and Culture	3
Total Credits		17

Undergraduate Courses

Accounting (ACCT)

Courses

ACCT 200. Elements of Accounting I. 3 Credits.

An introduction to accounting systems with a special emphasis on journalizing and posting business transactions, preparation of the balance sheet and income statement, and accounting for short-term assets.

Typically Offered: Fall.

ACCT 201. Elements of Accounting II. 3 Credits.

A continuation of ACCT 200 with a special emphasis on accounting for long-term assets and current and long-term debt obligations, corporate equity accounting, and preparation of the Statement of Cash Flows.

Typically Offered: Spring.

Prerequisite: ACCT 200 with a grade of C or better.

ACCT 307. Managerial Accounting and Finance. 3 Credits.

A course designed to help students understand how to use information to effectively plan and control operations. Topics include concepts and tools used in planning, control and decision making.

Typically Offered: Fall.

Prerequisite: ACCT 201.

ACCT 315. Business in the Legal Environment. 3 Credits.

A study of the legal environment of business, governmental regulation, contracts and property.

Typically Offered: Fall, Spring.

ACCT 321. Intermediate Accounting I. 3 Credits.

A study of the more complex issues of corporate reporting theory and techniques such as the conceptual framework, financial statements, valuation techniques, and revenue recognition. The course will explore current financial reporting requirements as well as emerging issues and controversies surrounding financial reporting.

Typically Offered: Fall.

Prerequisite: ACCT 201.

ACCT 322. Intermediate Accounting II. 3 Credits.

A study of current and emerging financial accounting theory. Topics include techniques used to report financial information, long-term debt, equity, dilutive securities, revenue recognition, leases and accounting changes.

Typically Offered: Spring.

Prerequisite: ACCT 201.

ACCT 355. Taxation of Business Entities. 3 Credits.

A study federal income tax law related to reporting business and investment activities of sole proprietorships, partnerships, and corporations.

Typically Offered: Spring.

Prerequisite: ACCT 201.

ACCT 369. Enterprise Systems. 3 Credits.

An exploration of how enterprise systems help companies integrate business functions and improve business processes. Students will identify and discuss integration points including impacts to accounting.

Typically Offered: Fall, Spring.

Same As: ACCT 369/CIS 369.

ACCT 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ACCT 440. Advanced Accounting Topics. 3 Credits.

A study of selected accounting and reporting issues related to consolidated entities, partnerships, state and local governments, and non-profit organizations. Students will also be introduced to audit procedures relating to the revenue business process and the acquisitions and expenditures business process.

Typically Offered: Fall, even years.

Prerequisite: ACCT 322.

ACCT 450. Principles of Auditing. 3 Credits.

A study of auditing principles and practices including evidence gathering, internal controls, sampling and testing, report writing, ethics, and legal liabilities.

Typically Offered: Fall, odd years.

Prerequisite: ACCT 322.

ACCT 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ACCT 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Agriculture Economics (AGEC)

Courses

AGEC 341. Agricultural Economics. 3 Credits.

An introductory course in agricultural and environmental economics. Explores the relationships between production, food systems, world markets, government programs, farms, agribusiness and the environment.

Typically Offered: Spring, odd years.

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AGEC 342. Introduction to Agriculture Management. 3 Credits.

Economic and managerial concepts related to farm or agribusiness production process, development of cost data, enterprise analysis, organization and management of production inputs.

Typically Offered: Fall, odd years.

AGEC 346. Agriculture Commodity Marketing. 3 Credits.

Explores the basics of commodity marketing and demonstrates how to use those tools in risk management. The course will include a commodity market simulation called Commodity Challenge.

Typically Offered: Spring, even years.

AGEC 442. Advanced Farm Management. 3 Credits.

A course that applies economic and financial measurements to production processes and agribusiness operations. Students will focus on profit maximization through proper management and analysis of inputs and outputs.

Typically Offered: Spring, even years.

Prerequisite: BUSI 342.

Allied Health (AH)

Courses

AH 101. Nursing Assistant Training. 2 Credits.

This course prepares students for certification as a certified nursing assistant (CNA). Nursing Assistant Training provides classroom instruction and clinical practice to those preparing for employment as a certified nursing assistant in a skilled nursing facility, acute care, or home health care.

Typically Offered: Fall, Spring, Summer.

AH 102. Cardiographic Technician Training. 2 Credits.

This course prepares students for certification as a certified cardiographic technician (CCT). Topics include: heart anatomy, normal heart physiology and electrophysiology, introduction to ECG, reading and analyzing ECG strips, introduction to ECG rhythm analysis, identification of dysrhythmias, performing ambulatory monitoring, and stress testing.

Typically Offered: Fall, Spring, Summer.

Art (ART)

Courses

ART 110. Introduction to the Visual Arts. 3 Credits.

A study of the visual arts of western and nonwestern cultures with an emphasis on understanding art and artmaking through form, content, and cultural context.

Typically Offered: Fall, Spring.

ART 115. Introduction to Digital Media. 3 Credits.

Students are introduced to essential foundation of digital media theory, practice, and tools. The course covers basic knowledge of computer skills, terminologies and the use of software for creating digital art and related works. Topics include creative applications of text, graphics, image, video, and audio. Course required of all art majors.

Typically Offered: Fall, Spring.

ART 120. Painting I. 3 Credits.

Students develop the foundational skills required working in non toxic painting media. Developing skills with black and white tonal ranges to color theory. Students progress through a series of projects that build skill and exposure to a diversity of contemporary painting practices. Working from observation, abstraction and digital processes to explore varied approaches to painting. Students will investigate materiality, design, historical context and concept. This course may not be audited.

Typically Offered: Spring, odd years.

Prerequisite: ART 122.

ART 122. Two-Dimensional Design. 3 Credits.

A basic course in the study of two-dimensional design for the studio artist. Students are introduced to formal art theory, vocabulary, and techniques in creating two-dimensional artworks. Topics include composition, content, and both traditional and digital presentation skills. This course may not be audited.

Typically Offered: Fall.

ART 124. Three-Dimensional Design. 3 Credits.

A basic course in the study of three-dimensional design for the studio artist. Students create three-dimensional forms through the exploration of material and design theory. Coursework includes developing decision making skills through studio projects and the analysis of artwork.

Typically Offered: Spring, even years.

ART 130. Drawing I. 3 Credits.

An introduction to the fundamentals of freehand drawing with an emphasis on representational drawing skills, perception, and traditional drawing materials. An emphasis will be on visual thinking through observation, analysis, and expression. This course may not be audited.

Typically Offered: Spring.

ART 150. Ceramics I. 3 Credits.

Students are introduced to basic clay forming and surface design techniques. Topics include the pottery wheel, hand building, glazing, art historical themes, and the development of concept and personal expression through clay. This course may not be audited.

Typically Offered: Fall.

ART 170. Printmaking I. 3 Credits.

Students are introduced to printmaking processes and equipment. Topics include relief, planographic, and intaglio print techniques, art historical themes, and the development of personal voice in image-making. This course may not be audited.

Typically Offered: Spring, even years.

Prerequisite: ART 122.

ART 180. Photography I. 3 Credits.

Introduction to basic Photography. Students are introduced to digital photography. The course covers the fundamentals of capturing photographic images using a DSLR camera, including exposure settings, digital camera settings, download, file storage, and organization. Emphasis is placed on developing an understanding of composition, visual communication, basic photo editing tools, and printing. Demonstrations, lectures, and presentations supplement hands-on practice. Basic computer literacy is required.

Typically Offered: Fall.

ART 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ART 210. Art History I. 3 Credits.

A survey of western art from Paleolithic to the Renaissance. Students examine world art through historical objects and sites from prehistoric, ancient, and medieval periods. Students analyze visual art objects from stylistic, historical, political, religious, and anthropological perspectives. Topics include Paleolithic Rock Art Sites, Ancient Near East and Egypt, Ancient Greek and Roman, Early European Medieval, Ancient Medieval China and Japan, Southeast Asian Buddhist, and the Pre-Columbian Americas.

Typically Offered: Fall, even years.

ART 211. Art History II. 3 Credits.

Art survey of western art from Renaissance to the present. Students study world artwork from the Renaissance, Early Modern, and Modern periods, approximately the late 14th century through the early 20th century. Students analyze artwork from stylistic, historical, political, and religious perspectives. Topics include Renaissance Europe, European colonialism, colonial and early American art, South American independence, Native American traditions, and Modern Art and World War II.

Typically Offered: Spring, odd years.

ART 215. Graphic Design I. 3 Credits.

Students learn the fundamentals of visual communication and techniques. This project-based course is an intensive exploration of the fundamental principles of graphic design. Topics include typography, color, composition, and principles of visual organization.

Typically Offered: Fall.

Prerequisite: ART 115.

ART 221. Painting II. 3 Credits.

Students will advance on current skills learned in ART 120 and develop an understanding theory and history of color in painting. Color is both a descriptive and a formal compositional element. It can express or deny spatial depth and the illusion of form, as well as create various sensory and psychological effects. This course may not be audited.

Typically Offered: Fall, even years.

Prerequisite: ART 120.

ART 225. Digital Imaging I. 3 Credits.

Students learn the principles and fundamental techniques for creating and manipulating raster images for print and web applications using digital software. Course focus on creation, manipulation, aesthetic approaches, and inputs and outputs as it applies to digital imaging.

Typically Offered: Fall, odd years.

Prerequisite: ART 115 and ART 180.

ART 230. Drawing II. 3 Credits.

A foundation course with the emphasis on the formal and conceptual nature of drawing. This course is designed to challenge and develop the student's invention and imagination. Introduction to color media and theory. This course may not be audited.

Typically Offered: Fall.

Prerequisite: ART 130.

ART 233. History of Craft. 3 Credits.

Students examine historical events and contemporary social issues through the lens of craft material and techniques. The creation of craft projects complements the discussion of scholarly theory and traditional and contemporary craft practices. Topics include the Arts and Crafts Movement, Industrial Revolutions, the Bauhaus, gender and craft, the DIY movement, and socially engaged art activism.

Typically Offered: Fall.

ART 235. Digital Illustration I. 3 Credits.

Students learn the basic computer illustration software and techniques. Students create vector images for quality digital illustrations. Emphasis on the fundamentals of composition and design, and the proper use of equipment and materials along with the development of professional studio skills.

Typically Offered: Spring, even years.

Prerequisite: ART 115 and ART 130.

ART 245. Introduction to Web Design. 3 Credits.

The fundamentals of multimedia tools are introduced to students for webpage design and applications. This project-based course focuses on the overall aesthetics, typography, color choices, principles for organizing the user interface for user experience, prototyping an interactive project, and issues surrounding usability.

Typically Offered: Fall, odd years.

ART 251. Ceramics II. 3 Credits.

Students develop technical skills learned in Ceramics I. Topics include conceptual development, technical problem shooting, and basic kiln firing. This course may not be audited.

Typically Offered: Spring, even years.

Prerequisite: ART 150.

ART 265. Sculpture I. 3 Credits.

Students are introduced to basics of sculpture through the study of history, techniques, process, and concept. Coursework materials might include fiber, wood, found objects, and clay. This course may not be audited.

Typically Offered: Spring, odd years.

ART 266. Sculpture II. 3 Credits.

Students expand upon skills introduced in Sculpture I. New materials and techniques are introduced to build creative problem solving abilities.

Typically Offered: Spring, odd years.

Prerequisite: ART 265.

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ART 271. Printmaking II. 3 Credits.

Students develop Printmaking I technical skills and explore new processes. Topics include relief, intaglio, planographic techniques, art historical themes, and the development of personal voice in image making. This course may not be audited.

Typically Offered: Fall, odd years.

Prerequisite: ART 170.

ART 280. Photography II. 3 Credits.

Students explore image manipulation as it relates to digital photography. Technical skills covered include studio lighting, photo editing techniques, and outputting techniques for print. An overview of artists working with digital photography is provided. Lectures and demonstrations supplement hands-on practice.

Typically Offered: Spring.

Prerequisite: ART 180.

ART 294. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ART 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ART 309. Art Business. 3 Credits.

An introductory course that assists the student in understanding the business of art. Gives students a foundation in tax laws; copyright; commissions; contracts; wholesale and retail sales; and the operation of galleries, museums, and the online art environment.

Typically Offered: Spring, even years.

ART 311. Art History III. 3 Credits.

This is an intermediate course covering European and American art and art theory from 1945 to the present. Examines the major movements of High Modernism and Post-Modernism (including Surrealism, Abstract Expressionism, Pop Art, Performance Art, Minimalism, and Appropriation) in relation to biographical and formal concerns, contemporary social and political conditions, and current art history debates.

Typically Offered: Fall, odd years.

Prerequisite: ENGL 120 or ENGL 125.

ART 315. Graphic Design II. 3 Credits.

Students build on Graphic Design I by exploring the interaction of text and images. Topics include page layout, brand identity development, visual storytelling, and marketing concepts for visual communication. This course may not be audited.

Typically Offered: Spring.

Prerequisite: ART 215.

ART 321. Painting III. 3 Credits.

Students engage in the process of building an image vocabulary. Various means of working with a personal bank of images are introduced, including serial processes, journals and working from memory. Final portfolio engages new forms of technology and substrates for display. This course may not be audited.

Typically Offered: Fall, even years.

Prerequisite: ART 221.

ART 325. Digital Imaging II. 3 Credits.

Students develop skills introduced in Digital Imaging I to develop technical skills and creative problem solving. Students further explore the potential use of digital imaging as critical artistic expression. Contemporary issues in digital imaging will be emphasized.

Typically Offered: Fall, even years.

Prerequisite: ART 225.

ART 330. Drawing III. 3 Credits.

Comprehensive drawing, from composition to perspective. An intensive drawing studio covering the historic principles of drawing and their place in contemporary practice. Provides an in-depth investigation of line, perspective, the figure, gesture, space, atmosphere, erasure, etc. Through the repeated physical activity of drawing, students will refine their intellectual powers of observation and visualization. This course may not be audited.

Typically Offered: Fall.

Prerequisite: ART 230.

ART 335. Digital Illustration II. 3 Credits.

Students develop skills introduced in Digital Illustration I for advanced concepts in layout and composition. Students will develop their own unique and inventive visual problem solving skills. Additional emphasis placed on developing picture idea through research and reference, composition and color application.

Typically Offered: Spring, odd years.

Prerequisite: ART 235.

ART 345. History of Graphic Design. 3 Credits.

A survey of the development of graphic design theory, practice, and technology from the printing press to current professional practices. Topics include the development of handwriting, typefaces, books, posters, history of printing, history of advertising, art and design movements, digital design and typography.

Typically Offered: Spring, even years.

ART 351. Ceramics III. 3 Credits.

Advanced research into ceramic techniques with emphasis on the development of a personal voice and concept. This course may not be audited.

Typically Offered: Spring, even years.

Prerequisite: ART 251.

ART 366. Sculpture III. 3 Credits.

Students develop personal creative voice by building upon skills introduced in Sculpture II.

Typically Offered: Spring, odd years.

Prerequisite: ART 266.

ART 371. Printmaking III. 3 Credits.

Students explore personal research in printmaking with emphasis on the development of technique and concept. This course may not be audited.

Typically Offered: Fall, odd years.

Prerequisite: ART 271.

ART 380. Photography III. 3 Credits.

This studio-based course engages students in non-traditional photographic processes. An advanced exploration of digital photography, emphasizing student development of technique, composition, and style through experimental methods and materials to produce a series of printed works for exhibition, edited book, and final portfolio.

Typically Offered: Spring.

Prerequisite: ART 280.

ART 390. Art Methods. 4 Credits.

A study of the principles of learning, instruction and curriculum in K-12 art education programs. Students will develop teaching competencies through mini-teaching experiences, analysis of instructional methods and writing units of study.

Typically Offered: Fall, odd years.

Prerequisite: Admitted to Teacher Education.

ART 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ART 397. VCSU CSA Internship. 1 Credit.

This course allows the student to teach under faculty supervision in the Community School of the Arts. May be repeated for credit. Approval of the Director of the Community School of the Arts required.

Typically Offered: Fall, Spring.

Grading: S/U only.

Repeatable: Up to 4 Credits.

ART 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ART 411. Art History IV. 3 Credits.

This is an advanced course covering special topics in art and cultures, indigenous people, gender and politics, feminism, and current roles art plays in society. Students will create various connections to art history and its influence on today, via lectures, discussions, and performance work.

Typically Offered: Spring, even years.

Prerequisite: ENGL 120 or ENGL 125.

ART 415. Graphic Design III. 3 Credits.

Advanced applications of Graphic Design II techniques as they relate to creative problem solving for design issues. Students will acquire professional problem-solving skills through advanced practical exercises that combine graphic design projects, production, and implementation.

Typically Offered: Spring.

Prerequisite: ART 315.

ART 420. Advanced Research Studio. 4 Credits.

Students work on independent design and studio research with direction from faculty. Students must submit a proposal for research and a semester plan for approval prior to registering. Only open to students in their final three semesters.

Typically Offered: On sufficient demand.

Prerequisite: Junior Standing or Senior Standing.

Repeatable: Up to 16 Credits.

ART 491. Visual Arts Seminar. 2 Credits.

This course will provide directed studio work and research. To be taken at the end of sophomore year or junior year with the approval of the department chair; the student will work with their faculty to prepare for senior exhibition and the written artist statement according to the established written timeline, resulting in a final artist portfolio.

Typically Offered: Spring, odd years.

Prerequisite: Sophomore Standing or higher.

ART 492. Visual Arts Capstone. 2 Credits.

Capstone course focusing on the continued investigation of the art and design field with emphasis on the student's media area(s) of focus and installation of the Senior Exhibition, Portfolio, and Artist Talk.

Typically Offered: Fall, Spring.

Prerequisite: ART 491.

ART 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ART 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

ART 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Academic Skills for College (ASC)

Courses

ASC 87. Writing Skills. 3 Credits.

A basic writing course that prepares students for ENGL 110. Topics include writing error-free sentences, solid paragraphs and well-organized essays. Required for students with ACT English subtest score below 14. This course is offered collaboratively on the VCSU campus by Dakota College at Bottineau.

Typically Offered: Fall.

Grading: Credit earned does not count towards any degree.

ASC 88. Composition Lab. 1 Credit.

A composition lab that supports the writing skills of students enrolled in ENGL 110. Required for students with ACT English subtest scores of 14 - 17.

Typically Offered: Fall, Spring.

Corequisite: ENGL 110 and ACT English score of 14 -17.

Grading: Credit earned does not count towards any degree.

ASC 91. Algebra Prep I. 2 Credits.

This course begins the development of the fundamental skills required for the successful completion of studies in college level mathematics courses. Topics include operations with whole numbers and fractions, order of operations, simplification and evaluation of expressions, and evaluation of one and two step linear equations. Study skills will be incorporated throughout the course. This course does not satisfy any graduation requirement. Placement is determined by ACT, SAT, Accuplacer and other qualifying exam scores as outlined in NDUS Procedure 402.1.2. This course is offered collaboratively on the VCSU campus by Dakota College at Bottineau.

Typically Offered: Fall, Spring.

Grading: Credit earned does not count towards any degree.

ASC 92. Algebra Prep II. 2 Credits.

This course continues the development of the fundamental skills required for the successful completion of studies in college level mathematics courses. Topics include the solutions of linear equations and inequalities, formula manipulation, Cartesian geometry and the graphing of linear equations and inequalities, systems of equations, and introduction to functions. Study skills will be incorporated throughout the course. This course does not satisfy any graduation requirement. Placement is determined by ACT, SAT, Accuplacer and other qualifying exam scores as outlined in NDUS Procedure 402.1.2. This course is offered collaboratively on the VCSU campus by Dakota College at Bottineau.

Typically Offered: Fall, Spring.

Grading: Credit earned does not count towards any degree.

ASC 93. Algebra Prep III. 2 Credits.

This course continues the development of the fundamental skills required for the successful completion of studies in college level mathematics courses. Topics include exponents and radicals, algebraic manipulation involving polynomial and rational forms, and unit analysis. Study skills will be incorporated throughout the course. This course does not satisfy any graduation requirement. Placement is determined by ACT, SAT, Accuplacer and other qualifying exam scores as outlined in NDUS Procedure 402.1.2 or completion of ASC 092 with a grade of C" or better. This course is offered collaboratively on the VCSU campus by Dakota College at Bottineau.

Typically Offered: Fall, Spring.

Grading: Credit earned does not count towards any degree.

Biology (BIOL)

Courses

BIOL 111. Concepts of Biology. 4 Credits.

An introductory level non-majors transferable class designed to meet the requirements of a lab science. This class is an introduction to the major concepts of modern biology through lecture and laboratory work on the structure, function, diversity, and interrelationships of living organisms, with emphasis on areas of human concern.

Typically Offered: Fall, Spring.

BIOL 121. Introduction to Fisheries and Wildlife Sciences. 4 Credits.

An introduction to the basic principles that are integral to understanding fisheries and wildlife sciences. The course covers the history of management and legislation, general concepts of management, general field and lab methods, and wildlife and fisheries careers.

Typically Offered: Fall.

BIOL 122. Fisheries and Wildlife Techniques. 4 Credits.

A study of the field and laboratory techniques necessary for management and research of fish and wildlife populations, habitat evaluation, and sex and aging techniques.

Typically Offered: Spring.

BIOL 150. General Biology I. 4 Credits.

A two-semester sequenced study of the fundamental concepts of biology through lecture and laboratory work. BIOL 150 is focused on cellular biology and physiology. BIOL 151 focuses on concepts such as classification, evolution, and ecology. Recommended for students interested in science (required for certain majors and minors).

Typically Offered: Fall, Spring.

BIOL 151. General Biology II. 4 Credits.

A two-semester sequenced study of the fundamental concepts of biology through lecture and laboratory work. BIOL 150 is focused on cellular biology and physiology. BIOL 151 focuses on concepts such as classification, evolution, and ecology. Recommended for students interested in science (required for certain majors and minors).

Typically Offered: Spring.

BIOL 170. General Zoology. 4 Credits.

A survey of the animal kingdom. Major invertebrate and vertebrate animal groups are studied with emphasis on structure, function, life history and evolutionary advancements of each.

Typically Offered: Spring.

BIOL 171. Medical Terminology. 3 Credits.

An introduction into medical terminology. Topics includes prefixes, suffixes and root words, their meaning, spelling and pronunciation and the use of term in medical documentation. Emphasis is on building a working medical vocabulary based on body systems and diseases.

Typically Offered: Fall.

BIOL 194. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

BIOL 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

BIOL 200. Field Biology. 2 Credits.

A survey of the animal and plant species in local natural habitats with concentrated work on a selected topic. Field trips for collection, identification, and preservation of specimens are required.

Typically Offered: On sufficient demand.

BIOL 220. Human Anatomy and Physiology I. 4 Credits.

A study of the structures and functions of the human body. The lab work includes physiological exercises, cat dissection with comparison to human structures and computer simulations. Topics include cells and tissues and the skin, bone, muscle, circulatory and the respiratory system.

Typically Offered: Fall.

Prerequisite: BIOL 111 or BIOL 150 or BIOL 151.

BIOL 221. Human Anatomy and Physiology II. 4 Credits.

The study of the structures and functions of the human body. The lab work includes physiological exercises, cat dissection with comparison to human structures and computer simulations. Topics include nerve system and the brain, senses and special senses and the endocrine, immune, reproductive, urinary and digestive systems. This course is designed to fulfill the anatomy and physiology requirements for psychology majors.

Typically Offered: Spring.

Prerequisite: BIOL 111 or BIOL 150 or BIOL 151.

BIOL 267. Environmental History. 3 Credits.

A survey of the interrelationship between the natural environment and the people who inhabit the land. Emphasis is given to the factors and events which have changed and challenged America's attitude toward the land and its natural resources. The course covers both grassroots movements and government policies that have resulted in the conservation and environmental movements in American history. Cross-referenced with HIST 267.

Typically Offered: Spring, odd years.

Same As: BIOL 267/HIST 267.

BIOL 294. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

BIOL 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

BIOL 310. Microbiology. 4 Credits.

An introduction to the morphology, physiology, taxonomy, and ecology of micro organisms. Lecture and laboratory work deal with the history, isolation, identification, and culture of microorganisms. The fields of epidemiology, bioethics, and environmental microbiology will be discussed.

Typically Offered: Spring.

Prerequisites: one Biology class and one Chemistry class.

BIOL 311. Botany. 4 Credits.

A general botany course covering plant evolutionary history, form, structure, and physiology. Lectures focus on plant diversity through time and a general knowledge of plant function. Labs emphasize cells, tissues, phyla, and physiology of plants.

Typically Offered: Spring.

Prerequisites: BIOL 150 and BIOL 151.

BIOL 312. Botany. 4 Credits.

A plant taxonomy course focusing on classification of plants at the family level and identification at the species level. Lectures focus on learning traits of plant families with an emphasis on North Dakota plants and an occasional lesson on economically important plants. Labs focus on plant identification, using a dichotomous key, and a large plant collection.

Typically Offered: Fall.

Prerequisites: BIOL 150 and BIOL 151.

BIOL 315. Genetics. 4 Credits.

A study of the basis of heredity with emphasis on the structure and function of DNA and Mendelian genetics. Course work includes lecture and discussion on concepts in linkage, mutation, mechanisms of heredity, genetic mapping, molecular genetics, population genetics, current issues and research in genetics. Laboratory work includes experiments with *Drosophila* chromosomes and inheritance patterns.

Typically Offered: Spring.

Prerequisites: BIOL 150 and BIOL 151.

BIOL 330. North Dakota Flora. 3 Credits.

A systematic study of North Dakota summer flora including field work consisting of plant identification and ecology. Lectures and lab work cover taxonomy and classification, and the medicinal and economic value of plants.

Typically Offered: On sufficient demand.

BIOL 336. Range Management and Range Plants. 4 Credits.

Principles of range management which include plant identification, range evaluation, and range improvement. Lab with focus on identification, distribution, and forage value of important range plants.

Typically Offered: Fall.

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BIOL 340. Research Methods. 4 Credits.

An overview of research techniques and methodologies used in biomedical research and health care. This course covers practices of qualitative and quantitative research design and analysis, measurement concepts in research and state and federal regulations using animals and humans in research. Fundamentals and specific applications of the most common data gathering and measurement techniques are addressed.

Typically Offered: Fall.

Prerequisite: Junior Standing or Senior Standing.

BIOL 343. Ornithology. 4 Credits.

A study of the identification, life history, physiology, migration, and ecology of birds. Course includes frequent field trips for practice in the recognition of species common to North Dakota.

Typically Offered: Spring.

Prerequisite: BIOL 151.

BIOL 347. Aquatic Entomology. 4 Credits.

A study of the diversity of aquatic insects and invertebrates focusing on their identification and importance in aquatic ecosystems. Course includes frequent field trips for collection of specimens.

Typically Offered: Fall.

Prerequisites: BIOL 150 and BIOL 151.

BIOL 350. Environmental Contaminants. 3 Credits.

An introduction to the major groups of environmental contaminants and their effects on ecosystems and human health. Students will learn about sources of contaminants, their persistence in the environment, and the pathways of contaminants into waterways, organisms, and the atmosphere. Efforts or methods to prevent or mitigate contamination will also be covered. Students will research and present case studies related to environmental contamination.

Typically Offered: Fall, odd years.

BIOL 355. Mammalogy. 4 Credits.

A study of the biology, classification, biogeography, ecology, and behavior of North American mammals. Labs cover mammal identification and life histories, trapping, and include multiple field trips.

Typically Offered: Fall.

Prerequisite: BIOL 151.

BIOL 360. Environmental Law and Regulations. 3 Credits.

An introduction to environmental laws and policies including their development and current status. State and Federal laws affecting fish and wildlife; their application, administration and the organizational structure of state and federal agencies will be covered.

Typically Offered: Spring.

BIOL 367. Ichthyology. 4 Credits.

A study of the biology, classification, biogeography, ecology, evolution, and behavior of fishes, with special emphasis to fishes found in the northern Great Plains. Labs cover identification and life histories of fishes and field trips.

Typically Offered: Fall.

Prerequisite: BIOL 151.

BIOL 375. Conservation Biology. 4 Credits.

An introduction to the study and conservation of biodiversity. Topics include historical and current trends in conservation of biological diversity, migratory corridors, endangered species, invasive species, conservation of genetic integrity, and island biogeography.

Typically Offered: Fall.

Prerequisites: BIOL 150 and BIOL 151.

BIOL 376. Yellowstone Ecology. 2 Credits.

A field based course on the ecology of the Greater Yellowstone Ecosystem illustrating its complexity. Topics include: impact of the reintroduction of the wolves, evidence of climate change, wildlife populations, current research, influence of stakeholders, park management, and other issues within the park and Greater Yellowstone Ecosystem. A field trip to Yellowstone National Park is part of the course.

Typically Offered: Fall.

Prerequisites: BIOL 150 and BIOL 151.

BIOL 380. Human Sexuality. 3 Credits.

A study of the role and meaning of human sexuality in relations to oneself as well as in all interrelationships with other people. Course work includes a study of anatomy and physiology of the reproductive system, human sexual response, process and role of identity, sexual value systems, contraception, and the importance of sexuality in preparation for family living. Cross-referenced with PSYC 380.

Typically Offered: Spring, Summer.

Same As: BIOL 380/PSYC 380.

BIOL 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

BIOL 395. Laboratory Preparation and Management. 1 Credit.

A practicum-like course that allows the student to directly assist the instructor in numerous aspects of laboratory instructional delivery. The course is designed to improve the competency of teaching laboratories. This course may be repeated up to three semester credit hours.

Typically Offered: Fall, Spring, Summer.

Repeatable: Up to 3 Credits.

BIOL 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

BIOL 410. Field Ecology. 4 Credits.

A study of plant and animal communities, their diversity, interactions and adaptation to the environment. The course includes extensive fieldwork, independent research, statistical analysis and scientific writing.

Typically Offered: Fall.

Prerequisites: BIOL 150 and BIOL 151.

BIOL 411. Wildlife Management. 4 Credits.

A study of advanced principles and applications of the management of terrestrial vertebrates and their population dynamics. Strategies for wildlife conservation, utilization, and enhancement are covered. Labs cover the collection and analysis of data, scientific writing, and consist of multiple field trips.

Typically Offered: Fall.

Prerequisites: BIOL 121 and BIOL 122.

BIOL 412. Fisheries Management. 4 Credits.

A study of advanced principles of managing fisheries resources with an emphasis on freshwater fishes and ecosystems. Includes field and laboratory techniques used in fisheries management and research.

Typically Offered: Spring.

Prerequisites: BIOL 121, BIOL 122, and BIOL 367.

BIOL 413. Restoration and Plant Ecology. 4 Credits.

This course covers both the fundamentals and advanced application of plant ecology to restoration ecology. Students will cover topics such as ecosystem processes, invasive species, population dynamics, rarity, communities, philosophical ecology, and climate change. The class focuses on students learning how to communicate complex ideas and facilitate a productive conversation around those ideas.

Typically Offered: Spring.

Prerequisites: BIOL 150 and BIOL 151.

BIOL 430. Human Dimensions in Fisheries and Wildlife. 3 Credits.

The objective of this course is for students to build an understanding and appreciation for the role of human dimensions in fisheries and wildlife management. Topics covered include public relations and communication for natural resources managers, land ethic, agency administration, natural resource law enforcement, and survey preparation.

Typically Offered: Spring.

Prerequisites: BIOL 121 and BIOL 122.

BIOL 440. Biostatistics and Experimental Design. 4 Credits.

An introduction to analysis and interpretation of biological data. Topics include statistical assessment of field and laboratory research, experimental design, and application of computer software.

Typically Offered: Spring.

Prerequisite: MATH 103 or MATH 104 or MATH 146 or MATH 165.

BIOL 441. Cell Biology. 4 Credits.

A study of processes common to life at the cellular level including biochemical and structural organization, membrane function, motility, signal transduction, growth, division, and genetic regulation of the cellular function. Laboratory work utilizes techniques to study life at the cellular level including chemical composition and characterization, enzyme kinetics, metabolism, and microscopy.

Typically Offered: Spring, even years.

Prerequisites: one Biology class and one Chemistry class.

BIOL 455. Introduction to GIS. 4 Credits.

An application of the principles of geographic information systems and integrally related mapping to solve problems related to natural resource management and other environmental issues. Comprehensive lab assignments are included to give students hands-on experience solving problems with current state-of-the-art software and GPS units, including data creation, data integration, mapping, and spatial analysis.

Typically Offered: Spring.

BIOL 470. Limnology. 4 Credits.

The study of biological, physical, and chemical features of freshwater ecosystems. The course includes field sampling, lab work and GIS mapping.

Typically Offered: Fall.

Prerequisite: BIOL 150, BIOL 151, and CHEM 121.

BIOL 490. Secondary Science Methods and Techniques. 3 Credits.

A course designed to prepare prospective science teachers in the areas of curriculum planning, textbook selection, supplemental teaching aids, laboratory procedures, and the ordering of equipment and supplies. The course includes laboratory practicum experience.

Typically Offered: Fall.

Prerequisite: Admitted to Teacher Education.

BIOL 491. Integrated Science Capstone. 2 Credits.

A capstone course that requires students to apply previously-learned knowledge and skills to develop solutions to practical scientific issues. Students will be divided into small groups for plan development. Various majors are involved to allow for integrated course material.

Typically Offered: Fall, Spring.

Prerequisite: Senior Standing.

Same As: BIOL 491/CHEM 491.

BIOL 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Prerequisite: Junior Standing or Senior Standing.

Repeatable: Up to 12 Credits.

BIOL 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

BIOL 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Business (BUSI)

Courses

BUSI 102. Keyboarding Methods. 3 Credits.

An exploration of keyboarding techniques in speed and accuracy; formatting of business communication forms for use in a classroom. Students will acquire keyboard curriculum while exploring different methods and trends of teaching keyboarding as part of a Business Education program. Special emphasis will be placed on technology, variety of instructional strategies, and lesson design.

Typically Offered: Spring.

BUSI 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

BUSI 214. Business Communications. 3 Credits.

A focus on the improvement of oral and written communication skills for application in today's global business environment. This course includes exploration and application of modern communication theory, legal and ethical concerns, and technology use. Intrapersonal, interpersonal, and group communication processes and skills are reviewed, as is public presentation of information.

Typically Offered: Fall, Spring, Summer.

Prerequisite: ENGL 120 or ENGL 125.

BUSI 249. Introduction to Business. 1 Credit.

An introduction to the business professions with emphasis on program requirements. The study, practice and performance of marketing, management, entrepreneurship, finance and human resources.

Typically Offered: Fall, Spring.

BUSI 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

BUSI 336. Business Data Solutions. 3 Credits.

An exploration of the advanced concepts of spreadsheets and database tools. This course provides intermediate/advanced students with the theory and ability needed to apply such knowledge in a business environment.

Typically Offered: Fall, Spring.

BUSI 350. Operations Management. 3 Credits.

A study of performance measurement tools, quantitative tools and operations strategy. Students will learn how the concepts and applications used enhance the decision making process through the development of statistical and quantitative analysis.

Typically Offered: Fall; Summer even years.

Prerequisite: MGMT 330.

BUSI 387. Business Practicum. 1-12 Credits.

The business practicum allows students to complete experiential learning opportunities which are guided by a designated business faculty members. Students develop real-world experience through collaboration and interaction with industry. Application and approval through business faculty representative.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

BUSI 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

BUSI 480. Strategic Planning. 3 Credits.

A study of strategic management processes on how organizations formulate, implement, and evaluate strategies. The course integrates the knowledge acquired in the functional areas of marketing, human resources, productions/operations and finance.

Typically Offered: Fall; Summer even years.

Prerequisite: Senior Standing.

BUSI 485. Entrepreneurship. 3 Credits.

A review of the application of business policies and procedures to the small business environment. BUSI 485 includes the basic steps in creating, building, operating and selling an enterprise.

Typically Offered: Fall, Spring, Summer Odd Years.

Prerequisite: Senior Standing.

BUSI 490. Methods and Materials for Teaching Business Subjects. 3 Credits.

An exploration of the curriculum, methods, materials, trends, and philosophy in the teaching of business education. Students will be exposed to the Teaching and Learning Capstone requirements. Special emphasis is placed on technology, various instructional strategies, and Technical Education Teacher Credentialing Requirements. The course must be taken before student teaching.

Typically Offered: Fall.

Prerequisite: Admitted to Teacher Education.

Same As: BUSI 490/CTE 490.

BUSI 491. Senior Seminar. 1 Credit.

An exploration of job search and soft skills necessary for success in the workplace. Students will participate in a variety of activities to develop a professional persona.

Typically Offered: Fall, Spring.

Prerequisite: Senior Standing.

BUSI 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

BUSI 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Career and Technical Education (CTE)

Courses

CTE 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CTE 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CTE 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CTE 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CTE 431. History, Philosophy and Practices of Career and Technical Education. 3 Credits.

A study of history, growth, theory and present status of Career and Technical Education in secondary and post-secondary schools. The course focuses on principles, practices and major issues of Career and Technical Education and its relationship to individual Career and Technical service areas. This course will also cover relationships between general education and Career and Technical Education.

Typically Offered: Fall, Summer.

CTE 432. Coordinating Cooperative Education Learning. 3 Credits.

A study of principles and techniques used in coordinating cooperative work experiences for students in Career and Technical Education. Included is a study of labor laws, public relations programs, advisory committees, and organization and supervision of on-the-job training, evaluation, and follow-up of student learners.

Typically Offered: On sufficient demand.

CTE 434. Leadership in Career and Technical Student Organizations. 3 Credits.

Introduction to planning, implementing, and leading Career and Technical Student Organizations. This course is designed for advisors at the secondary and post-secondary level wishing to begin, expand, or promote Career and Technical Student Organizations.

Typically Offered: Spring, Summer.

CTE 437. Student Performance Evaluation in Career and Technical Education. 3 Credits.

An examination of methods used for a comprehensive program of assessing and evaluating student achievement. Included is a study of the need for a system of evaluation and construction of evaluative instruments to measure learner outcomes to enhance improved academic and work performance.

Typically Offered: Fall.

CTE 438. Developing and Managing Competency-Based Instructional Materials. 3 Credits.

A basic course for Career and Technical educators. The course introduces concepts supporting the development of competency-based education (CBE) curriculum materials. CBE terminology, illustrations, presentations, procedures, and resources that relate to Career and Technical Education are discussed and a CBE learning unit of instruction is developed.

Typically Offered: Spring.

CTE 490. Methods for Teaching Career & Technical Education Subjects. 3 Credits.

A concentration on methods used for teaching Career and Technical Education courses. Topics are designed to develop and enhance the instructional competencies for teachers in Career and Technical Education programs.

Typically Offered: Fall, Summer.

Same As: BUSI 490/CTE 490.

CTE 492. Career and Technology Education Teaching Experience. 1-12 Credits.

Provides an online supervised teaching mentorship program to be used in place of a student teaching experience when a mentorship is allowed for satisfying the requirements of licensure. Students will observe mentor teacher(s), prepare units for delivery of content, maintain a log of activities, conduct or participate in parent/teacher conferences, observe or participate in IEP meetings, and meet with mentors and supervisors as required.

Typically Offered: On sufficient demand.

CTE 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CTE 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Chemistry (CHEM)

Courses

CHEM 115. Introductory Chemistry. 4 Credits.

A study of measurement, ionic and covalent compounds, chemical calculations, states of matter, energy, solutions, and chemical bonding. The course includes laboratory and may serve as a preparatory class for students with weak or no background in chemistry.

Typically Offered: Fall.

CHEM 116. Introduction to Organic and Biochemistry. 4 Credits.

A study of alkanes, alkenes, alkynes, aromatics, alcohols, pheols, ethers, aldehydes/ketones, carboxylic acids and esters, amines and amides, carbohydrates, lipids, amino acids, proteins, and nucleic acids. The course includes laboratory.

Typically Offered: Spring.

Prerequisite: CHEM 115 or CHEM 121.

CHEM 121. General Chemistry I. 5 Credits.

The first semester of a two semester sequence covering the study of matter, measurements, atoms, ions, molecules, reactions, chemical calculations, thermochemistry, bonding, molecular geometry, periodicity, gases, intermolecular forces, liquids, solids, kinetics, equilibria, acids and bases, solution chemistry, precipitation, thermodynamics, and electrochemistry. Topics covered are illustrated with descriptive and historical perspectives, as well as applications of chemistry in society. The course includes laboratory.

Typically Offered: Fall, Spring.

Prerequisite: ASC 93, MATH 103, or ACT Math score of 20 or higher.

CHEM 122. General Chemistry II. 5 Credits.

The second semester of a two semester sequence covering the study of matter, measurements, atoms, ions, molecules, reactions, chemical calculations, thermochemistry, bonding, molecular geometry, periodicity, gases, intermolecular forces, liquids, solids, kinetics, equilibria, acids and bases, solution chemistry, precipitation, thermodynamics, and electrochemistry. Topics covered are illustrated with descriptive and historical perspectives, as well as applications of chemistry in society. The course includes laboratory.

Typically Offered: Fall, Spring.

Prerequisite: CHEM 121.

CHEM 194. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CHEM 294. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CHEM 330. Quantitative Analysis I. 4 Credits.

The first semester of a two semester sequence covering an investigation of the statistical treatment of data and error analysis, gravimetric analyses, solution chemistry and solubility equilibria, volumetric analyses, acid-base neutralization, complexometric and redox methods. Students are introduced to the theory, operation and applications of some modern instrumental techniques for chemical analysis. This course includes laboratory.

Typically Offered: Fall, odd years.

Prerequisite: CHEM 122.

CHEM 331. Quantitative Analysis II. 4 Credits.

The second semester of a two semester sequence covering an investigation of the statistical treatment of data and error analysis, gravimetric analyses, solution chemistry and solubility equilibria, volumetric analyses, acid-base neutralization, complexometric and redox methods. Students are introduced to the theory, operation and applications of some modern instrumental techniques for chemical analysis. This course includes laboratory.

Typically Offered: On sufficient demand.

Prerequisite: CHEM 330.

CHEM 341. Organic Chemistry I. 5 Credits.

The first semester of a two semester sequence in organic chemistry for students in sciences and pre-professional curricula. Topics include structure and reactivity of carbon containing molecules, name reactions, carbon-carbon bond forming reactions, aromatic and heterocyclic chemistry, biomolecules and polymers, and multistep syntheses. This sequence of organic chemistry is designed for students desiring careers in chemistry, biology, health professions, science education, and related areas. This course includes laboratory.

Typically Offered: Fall, even years.

Prerequisite: CHEM 121.

CHEM 342. Organic Chemistry II. 5 Credits.

The second semester of a two semester sequence in organic chemistry for students in science and pre-professional curricula. Topics include structure and reactivity of carbon containing molecules, name reactions, carbon-carbon bond forming reactions, aromatic and heterocyclic chemistry, biomolecules and polymers, and multistep syntheses. This sequence of organic chemistry is designed for students desiring careers in chemistry, biology, health professions, science education, and related areas. This course includes laboratory.

Typically Offered: Spring, odd years.

Prerequisite: CHEM 341.

CHEM 360. Elements of Biochemistry. 4 Credits.

A study of protein structure, function conformation, and dynamics; enzymes, DNA-RNA; structure and flow of genetic information; biological membranes; and metabolism. The course includes laboratory.

Typically Offered: Fall, odd years.

Prerequisite: CHEM 116 or CHEM 341.

CHEM 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Prerequisite: Junior Standing or Senior Standing.

Repeatable: Up to 12 Credits.

CHEM 395. Laboratory Preparation and Management. 1 Credit.

An opportunity to participate in a practicum-like course. The student directly assists the instructor in numerous aspects of laboratory instructional delivery. The course is designed to improve the competency of teaching laboratories by involving the students in preparation of laboratory materials, storeroom management, evaluation of laboratory experiences, chemical storage, waste disposal, and related safety topics. This course may be repeated for credit up to 3 semester credit hours.

Typically Offered: Fall, Spring.

Repeatable: Up to 3 Credits.

CHEM 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CHEM 411. Physical Chemistry I. 4 Credits.

A one semester course covering the study of the laws and theories of chemistry including statistical thermodynamics and quantum mechanics. Course materials are interpreted through the application of fundamental mathematical and physical principles. Statistical methods and concepts are introduced during the study of statistical mechanics. This course includes laboratory.

Typically Offered: Fall, even years.

Prerequisites: CHEM 122, MATH 165, and either PHYS 212 or PHYS 252.

CHEM 412. Physical Chemistry II. 4 Credits.

A one semester course covering the study of the laws and theories of chemistry including thermodynamics, phase equilibria, and kinetics. Course materials are interpreted through the application of fundamental mathematical and physical principles. Statistical methods and concepts are introduced during the study of the kinetic molecular theory of gases. This course includes laboratory.

Typically Offered: Spring, even years.

Prerequisites: CHEM 122, MATH 165, and either PHYS 212 or PHYS 252.

CHEM 425. Inorganic Chemistry. 4 Credits.

A study of major topics in inorganic chemistry. The structure of crystalline solids, molecular symmetry, acids and bases, oxidation and reduction, and the chemistry of d-metal complexes will be covered. Topics in atomic and molecular structure and bonding as applied to inorganic molecules will also be discussed. The course includes laboratory.

Typically Offered: Spring, odd years.

Prerequisite: CHEM 122.

CHEM 490. Secondary Science Methods and Techniques. 3 Credits.

A course designed to prepare prospective chemistry teachers in the areas of curriculum planning, textbook selection, supplemental teaching aids, laboratory procedures, and the ordering of equipment and supplies. The course includes laboratory practicum experience.

Typically Offered: Fall.

Prerequisite: Admitted to Teacher Education.

CHEM 491. Integrated Science Capstone. 2 Credits.

A capstone course that requires students to apply previously-learned knowledge and skills to develop solutions to practical scientific issues. Students will be divided into small groups for plan development. Various majors are involved to allow for integrated course material.

Typically Offered: Fall, Spring.

Prerequisite: Senior Standing.

Same As: BIOL 491/CHEM 491.

CHEM 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Prerequisite: Junior Standing or Senior Standing.

Repeatable: Up to 12 Credits.

CHEM 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

Communications (COMM)

Courses

COMM 110. Fundamentals of Public Speaking. 3 Credits.

A basic speech course designed to introduce the student to the principles of oral communication, including the content, organization, and delivery of public address. This course is an introduction to interpersonal and group communication concepts. Emphasis is placed on extemporaneous speaking, effective listening, and critical evaluation.

Typically Offered: Fall, Spring, Summer.

COMM 112. Understanding Media and Social Change. 3 Credits.

An exploration of the purpose, function, and impact of media on society.

Typically Offered: Spring-even yrs; Summer-even yr.

COMM 114. Human Communication. 3 Credits.

Overview of communication theory with emphasis on information transmission and social influence functions of communication behavior in personal and mediated contexts.

Typically Offered: On sufficient demand.

COMM 175. Student Media Critique. 1 Credit.

This seminar explores audience-engagement of media through critical analysis of student and professional media. Students will meet weekly and analyze Viking Student Media products along with academic and professional guest critics.

Typically Offered: On sufficient demand.

Grading: S/U only.

Repeatable: Up to 8 Credits.

COMM 200. Introduction to Media Writing. 3 Credits.

An introduction to the principles of writing articles and stories for newspapers, radio, television, and the Internet. Topics include news gathering, interviewing, basic story structures and types, style and ethics.

Typically Offered: Fall.

COMM 211. Oral Interpretation. 3 Credits.

A course focused on the study of the development of effective vocal techniques through the analysis and performative reading of all types of literature.

Typically Offered: Fall, odd years.

COMM 212. Interpersonal Communication. 3 Credits.

An examination of styles, patterns, and challenges in human communication in both verbal and nonverbal contexts.

Typically Offered: Spring; Summer even years.

COMM 216. Intercultural Communication. 3 Credits.

An exploration of cross-cultural and intercultural communication, focusing on definitions, concepts, and theories in global environments. Special emphasis is placed on intercultural norms and etiquette, gender issues, and ELL/bilingual considerations, particularly within the framework of corporate communications.

Typically Offered: Fall; Summer odd years.

COMM 294. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

COMM 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

COMM 304. Corporate Training. 3 Credits.

A course designed to acquire mastery in the facilitation skills required of corporate trainers. The class will focus on presentation technology, visuals, questioning techniques, participant-centered presentations, and facilitator presence. Students will develop several training tools such as surveys, assessment instruments, and visual aids. Students will also develop a training manual, group facilitation, and PowerPoint presentation.

Typically Offered: Fall.

COMM 311. Communication and Interviewing. 3 Credits.

An examination of the theory and practice of interviews and interviewers. The class centers on conducting and participating in a variety of interview types. Strategies distinctive in interviews are considered. Class discussions and investigate communication theory in interpersonal, organizational, and mass communications contexts.

Typically Offered: Fall.

COMM 312. Gender Communication. 3 Credits.

An exploration of the philosophical and theoretical issues surrounding gender construction, communication, and culture. Focus is on ways communication in families, schools, media, business, and other institutions create and sustain gender roles.

Typically Offered: Spring-even yrs; Summer-odd yrs.

COMM 314. Public Relations. 3 Credits.

An introduction to the functions, scope, and ethics of public relations. Particular emphasis will be given to the ways of gaining public support for an activity, cause, movement, or institution and public relations copywriting.

Typically Offered: Spring.

Prerequisite: ENGL 120 or ENGL 125.

COMM 315. Digital Communication. 3 Credits.

An introduction to the developmental and presentation of informative and persuasive messages in an electronic environment. An emphasis is placed on the effective use of language and visual graphics to maintain a digital audience. Recommended: COMM 200 and CIS 170.

Typically Offered: Fall, odd years.

COMM 330. Understanding Statistics. 3 Credits.

This course is an introduction to descriptive, inferential, and correlated statistics. Emphasis is placed on determining when to use each type of test and how to read and discuss statistical analyses. Cross-referenced with POLS 330, PSYC 330, and SOC 330.

Typically Offered: Fall.

Prerequisite: MATH 103 or MATH 104.

Same As: COMM/POLS/PSYC/SOC 330.

COMM 340. Research Methods. 3 Credits.

An exploration of social research processes and analyses. Fundamentals and specific application of the most common data gathering and measurement techniques are addressed.

Typically Offered: Spring.

Prerequisites: ENGL 110, ENGL 120 or ENGL 125, and COMM 330/POLS 330/PSYC 330/SOC 330.

Same As: COMM/POLS/PSYC/SOC 340.

COMM 344. Reporting and Feature Writing. 3 Credits.

A study of news gathering, judgment, and writing. Topics include beat reporting, profiles, columns, and blogging.

Typically Offered: On sufficient demand.

COMM 360. Group Dynamics. 3 Credits.

An examination of human interaction within groups. Small group processes are practiced. Theories of interpersonal relations, team building, leadership, and conflict management are discussed. Students will observe group dynamics by interacting within small groups and by developing group presentations. Cross-referenced with PSYC 360 and SOC 360.

Typically Offered: Fall.

Same As: COMM 360/PSYC 360/SOC 360.

COMM 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

COMM 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

COMM 411. Communication Theory. 3 Credits.

A survey of communication theory and research topics as they pertain to everyday social interactions. Student explore the relationship between theory, guiding, research, and knowledge.

Typically Offered: Spring, even years.

COMM 414. Social Media Management. 3 Credits.

An exploration of managing social media and analytical tools. This course explores the tools and strategic use of social media in promoting the goals and mission of both for-profit and non-profit organizations, covering advertising, marketing, public relations, and promotional strategies within the media scope of social media. Cross referenced with MRKT 414.

Typically Offered: Spring.

Same As: COMM 414/MRKT 414.

COMM 415. Sports Information. 3 Credits.

A specialized course that focuses on preparing sports copy, public relations, and social media campaigns for athletic institutions. Students will acquire the ability to promote and analyze messages to a variety of audiences. Recommended: COMM 200.

Typically Offered: Spring, odd years.

COMM 425. Popular Culture and Rhetoric. 3 Credits.

A course that explores popular culture and rhetoric. This course covers popular culture and rhetoric as dominant persuasive influences in modern society. The course examines concepts, theories and critical methods that assist communicators to understand the power and force of language. Emphasis is placed on becoming insightful critics and consumers of everyday messages to which the public is exposed, especially through mass media.

Typically Offered: On sufficient demand.

Prerequisite: COMM 110 or COMM 114.

COMM 444. Event Planning. 3 Credits.

A course designed to acquire mastery in the skills required of event planners and roles that require planning events. The class will focus on preparing meeting plans and agendas, budgeting, communicating with vendors and clients, using technology and social media tools to facilitate an event, and steps needed in final execution of delivering an event. Students will develop event planning tools such agendas, media packages, timetables, budgets, and vision boards for both profit and non-profit organizations. Students will work with clients to develop plans for an actual event in their communities.

Typically Offered: Fall.

COMM 483. Organizational Communication. 3 Credits.

A course focused on the study of human communication, including interaction, presentation, and management within organizations. Students will learn skills related to researching communication within organizations including survey development, network mapping, observation. Special emphasis will be given to examining the roles of culture and gender within an organization.

Typically Offered: Spring.

COMM 487. Field Experience. 3-6 Credits.

An opportunity for the student to gain practical knowledge in an area of study. The student is required to complete 40 hours of work per credit and may be repeated up to a maximum of 12 credit hours. Application and approval through Program Department Chair.

Typically Offered: Fall, Spring.

Prerequisite: Cum GPA of 2.00 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

COMM 491. Senior Capstone. 1 Credit.

This course will assist the student developing a professional portfolio as well as assist in job search and placement. The course will address both technical application and content.

Typically Offered: Fall, Spring, Summer.

Prerequisite: COMM 497.

Grading: S/U only.

COMM 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

COMM 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

Computer Information Systems (CIS)

Courses

CIS 104. Microcomputer Database. 2 Credits.

An introduction to database design including data entry, storage, and retrieval.

Typically Offered: On sufficient demand.

Prerequisite: CIS 170.

CIS 105. Microcomputer Spreadsheets. 2 Credits.

An introduction to spreadsheets as used for data analysis and reporting including in-depth concepts and features and the types of applications adaptable to this software.

Typically Offered: On sufficient demand.

Prerequisite: CIS 170 or CSCI 160.

CIS 128. Microcomputer Hardware I. 3 Credits.

An introduction to the development and maintenance of the personal computer. Participants upgrade and assemble personal computers, configure systems, and install operating systems.

Typically Offered: On sufficient demand.

CIS 142. Ethical Hacking & Network Defense. 3 Credits.

This course provides an in-depth understanding of how to effectively protect computer networks. Also covered is a thorough update of federal and state computer crime laws, as well as changes in penalties for illegal computer hacking.

Typically Offered: On sufficient demand.

CIS 147. Principles of Information Security. 3 Credits.

A thorough examination of the field of information security. This course prepares students to make decisions about securing information in a business or personal environment.

Typically Offered: Spring.

CIS 162. Operating Systems. 3 Credits.

An in-depth coverage of the Windows operating systems geared for those students enrolled in Information Technology programs or students who want a more advanced Windows course.

Typically Offered: On sufficient demand.

CIS 164. Networking Fundamentals I. 3 Credits.

Students learn how to install a network operating system, configure and administer various networking components.

Typically Offered: On sufficient demand.

CIS 170. Introduction to Computer Information Systems. 3 Credits.

An introduction to word processing, spreadsheet, database, and operating system software. Additional topics include the history, ethics, and uses of computers in society, and emerging applications for computers.

Typically Offered: Fall, Spring.

CIS 180. Creating Web Pages I. 3 Credits.

An introduction to web page creation including topics such as HTML/XHTML, Cascading Style Sheets (CSS), fundamentals of site layout and design, and technical implementation of websites.

Typically Offered: On sufficient demand.

CIS 181. Creating Web Pages II. 3 Credits.

Students create web sites using a current version of a graphical user interface (GUI) web authoring tool.

Typically Offered: Spring.

Prerequisite: CIS 180.

CIS 194. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CIS 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CIS 276. Business Language. 3 Credits.

An introduction to computer programming in a business environment. Topics include: fundamentals of program design, development, testing, implementation and documentation of common business-oriented applications. The class will utilize a current version of Microsoft Visual Basic or equivalent software.

Typically Offered: On sufficient demand.

CIS 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CIS 329. Information Systems Management. 3 Credits.

An introduction to managing information systems including user support issues and careers in a business environment.

Typically Offered: Spring.

CIS 341. Customer Relationship Management Software Administration. 3 Credits.

Instruction in administration of various aspects of Customer Relationship Management (CRM) software. Topics include setting up and managing users, security and data access, customization, reports, and support. This class will use Salesforce or a similar software package.

Typically Offered: Spring.

CIS 369. Enterprise Systems. 3 Credits.

An exploration of how enterprise systems help companies integrate business functions and improve business processes. Students will identify and discuss integration points including impacts to accounting.

Typically Offered: Fall, Spring.

Same As: ACCT 369/CIS 369.

CIS 371. Enterprise Systems II. 3 Credits.

An exploration of how organizations analyze and implement ERP systems or other relevant enterprise systems by completion a project to configure, implement, and test business processes. This course builds upon knowledge in other courses using ERP.

Typically Offered: Spring.

CIS 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CIS 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CIS 410. Advanced Business Languages. 3 Credits.

An exploration of intermediate and advanced topics in business languages utilizing Visual Basic or equivalent software.

Typically Offered: On sufficient demand.

Prerequisite: CIS 276.

CIS 420. Internet Languages. 3 Credits.

Instruction in intermediate and advanced Internet language and the theory needed to integrate databases for web-based applications such as E-commerce.

Typically Offered: On sufficient demand.

Prerequisite: CIS 180.

CIS 440. Advanced Digital Web Design. 3 Credits.

Instruction in digital design theory and intermediate to advanced web languages needed to create complex and effective web sties.

Typically Offered: On sufficient demand.

Prerequisite: CIS 180.

CIS 460. Enterprise Architecture. 3 Credits.

This course explores the design, implementation and management of enterprise IT solutions.

Typically Offered: On sufficient demand.

CIS 465. IS Strategy Management and Acquisition. 3 Credits.

This course explores the issues and approaches in managing the information systems function in organizations and how the IS function integrates, supports and enables various types of organizational capabilities.

Typically Offered: Fall, even years.

CIS 470. Customer Relationship Management (CRM) and Business Intelligence (BI). 4 Credits.

An exploration of Customer Relationship Management (CRM) and Business Intelligence (BI) and how CRM and BI software systems are used by organizations to support their strategic goals. This course covers business analysis on data warehousing systems.

Typically Offered: Fall, odd years.

CIS 475. Integration of Business Processes in SAP ERP. 6 Credits.

Immersion into the concepts of ERP and integration points between different business disciplines supporting each business process cycle. This course introduces the basic processes of SAP ERP.

Typically Offered: On sufficient demand.

CIS 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

CIS 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Computer Science (CSCI)

Courses

CSCI 120. Introduction to Programming. 3 Credits.

An introduction to computer programming using any programming language.

Typically Offered: Spring, even years.

Prerequisite: ASC 93 or higher.

CSCI 124. C++ I. 4 Credits.

An introduction to programming in C++. The course is only offered online.

Typically Offered: On sufficient demand.

CSCI 127. Introduction to Programming in Java. 3 Credits.

An introduction to computer programming using the Java language.

Typically Offered: Fall.

Prerequisite: ASC 93 or higher.

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CSCI 160. Introduction to Structured Programming I. 3 Credits.

An introduction to structured programming using C++. Topics include input, output, looping and decision structures, subprograms, and interface to a GUI operating system.

Typically Offered: Spring.

Prerequisite: ASC 93 or higher.

CSCI 161. Introduction to Structured Programming II. 3 Credits.

A continuation of CSCI 160. Topics include: Arrays, structures, object-orientated programming, inheritance, polymorphism string manipulation, recursion and pointers.

Typically Offered: Fall.

Prerequisite: CSCI 160.

CSCI 174. C++ II. 4 Credits.

An intermediate course in programming in C++. The course is offered only online.

Typically Offered: Fall, Spring.

CSCI 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CSCI 242. Data Structures. 3 Credits.

The study of abstract data types (ADTs) and alternatives for implementation of lists, arrays, sets, trees, and graphs. The course explores dynamic and static data structures; time and space analysis of algorithms for initializing; and accessing, searching, sorting and traveling. Cross referenced with SE 242.

Typically Offered: Spring.

Prerequisite: CSCI 161.

Same As: CSCI 242/SE 242.

CSCI 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CSCI 350. Assembly Language Programming. 3 Credits.

An exploration of microprocessor-based machine and assembly language concepts.

Typically Offered: Spring, even years.

Prerequisite: CSCI 370.

CSCI 365. Programming Language Topics. 3 Credits.

A study of program design, style, expression, debugging and testing in specific programming languages such as Ada, C/C++, Lisp, Logo, Modula-2, Pascal, Prolog, or Visual BASIC. Course may be repeated for different languages.

Typically Offered: On sufficient demand.

Prerequisite: CSCI 160.

Repeatable: Up to 6 Credits.

CSCI 370. Computer Organization & Systems. 3 Credits.

An examination of the fundamentals of computer organization and operating system concepts. Cross referenced with SE 370

Typically Offered: Fall, even years.

Prerequisite: CSCI 160.

Same As: CSCI 370/SE 370.

CSCI 372. Comparative Programming Languages. 3 Credits.

A comparison of the features of several different programming languages with regards to syntax and semantics.

Typically Offered: On sufficient demand.

Prerequisite: CSCI 161.

CSCI 380. Teaching Computer Science. 3 Credits.

An investigation of objectives, methods, techniques, materials, software, and activities related to the teaching of computer science.

Typically Offered: On sufficient demand.

Prerequisite: Admitted to Teacher Education.

CSCI 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CSCI 450. Practicum in Computer Science. 1-3 Credits.

Experience in the use of computer hardware and software and the opportunity to observe and assist in the management of a computer laboratory.

Typically Offered: On sufficient demand.

Prerequisite: CSCI 370.

Grading: S/U only.

CSCI 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CSCI 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

Criminal Justice (CJ)

Courses

CJ 252. Introduction to the Social and Criminal Justice System. 3 Credits.

An overview of the criminal justice process, including law-making, law enforcement, criminal proceedings, and societal responses.

Typically Offered: Fall.

CJ 390. Criminology and Delinquency. 3 Credits.

A study of the causation, detection, prevention, and correction of criminal and delinquent behavior. Cross-referenced with SOC 390.

Typically Offered: Spring, odd years.

Prerequisite: SOC 110.

Same As: CJ 390/SOC 390.

CJ 416. Corrections: Institutional and Community. 3 Credits.

Analysis of institutional and community based corrections. Emphasis on historical, contemporary, and developing trends and processes.

Typically Offered: Spring, even years.

Prerequisite: PSYC 111 or SOC 110.

Economics (ECON)

Courses

ECON 201. Principles of Microeconomics. 3 Credits.

This is an introductory study of microeconomics. The course emphasizes the price system, market structure, resource allocation, and income distribution.

Typically Offered: Fall, Spring.

ECON 202. Principles of Macroeconomics. 3 Credits.

This is an introductory study of macroeconomics. The course emphasizes national income, fiscal and monetary theory and policy, unemployment, and inflation.

Typically Offered: Fall, Spring.

ECON 261. Business Statistics. 3 Credits.

The course introduces students to descriptive and inferential statistics. Topics include: probability, data collection methods, inferences about one or more populations, tests of significance, tests of hypotheses, and regression analysis.

Typically Offered: Fall, Spring.

Prerequisites: BOTE 336 and MATH 103.

ECON 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ECON 345. International Political Economy. 3 Credits.

This course introduces students to the study of international political economy (IPE). The course focuses on the political foundations and consequences of the contemporary world economy. The course will survey the evolution of the international economic system, in particular since the Second World War, emphasizing the main contemporary theories, debates, and issues shaping the global economy and politics.

Typically Offered: Spring, even years.

Same As: POLS 345/ECON 345.

ECON 350. Money and Banking. 3 Credits.

A course designed to acquaint students with, and to help them understand, financial markets, institutions, and the Federal Reserve System. The course enables students to analyze and evaluate regulation of the financial system as well as monetary policy. Current issues in domestic and international financial systems are emphasized.

Typically Offered: Fall, even years.

Prerequisites: ECON 201 and ECON 202.

ECON 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ECON 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ECON 460. The Atlantic World. 3 Credits.

This course is an interdisciplinary investigation of the political, economic, and social developments that shaped the region, from the age of empires to the decolonization of the twentieth century. Using a comparative approach, this course examines the Atlantic community constructed between Africa, Western Europe and the Americas, with particular attention to the interactions on matters of migration, market economies, ideology and cultural exchange. Cross-referenced with HIST 460 and GEOG 460.

Typically Offered: Spring, odd years.

Same As: ECON 460/GEOG 460/HIST 460.

ECON 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ECON 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Education (EDUC)

Courses

EDUC 210. Creative Activities. 2 Credits.

A course designed to explore resources and to provide instruction, demonstration, and participation in a variety of practical art, music, and physical experiences for children of various ages in the elementary school.

Typically Offered: Fall, Spring, Summer.

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EDUC 240. Educating Exceptional Students. 3 Credits.

A study of the characteristics of the exceptional student. Current delivery models, educational adaptations, and best practices for the regular classroom teacher of a mainstreamed student are stressed. This course covers mental health topics and strategies related to K-12 education. This meets requirements for initial licensure in the state of North Dakota.

Typically Offered: Fall, Spring, Summer.

EDUC 249. Introduction to VCSU Program. 1 Credit.

An introduction to the Teacher Education Program at VCSU. This course introduces students to the requirements for admission into the program and to the Teacher Education Handbook, Praxis I and II requirements, and the senior portfolio.

Typically Offered: Fall, Spring, Summer.

EDUC 250. Introduction to Education. 3 Credits.

An introduction to the professional education sequence. The course examines the teaching profession, including the historical, philosophical, and social foundations of education. Students gain knowledge of the VCSU teacher education model and apply knowledge and skills through practice teaching activities, including the effective use of planning, implementing, evaluating, and reflecting. The course requires a 40 hour field experience in an elementary or secondary classroom. Prior to starting the required field experience, EDUC 250 students must have a cleared background check on file with Teacher Education office.

Typically Offered: Fall, Spring.

Prerequisites: Sophomore or Higher. GPA of 2.5 or higher.

EDUC 251. Introduction to the Teaching Profession. 2 Credits.

A study of the teaching profession, including historical, philosophical, and social foundations of education. Students will have opportunities to apply knowledge and skills through peer teaching activities. Emphasis is placed upon the knowledge and skills needed to prepare pre-service teachers to become knowledge-based decision-makers who can provide learning experiences for K12 students through effective use of planning, implementing, evaluating, and reflecting.

Typically Offered: Fall, Spring.

EDUC 252. Introductory Field Experience. 2 Credits.

Students will have an opportunity to apply knowledge and skills learned in EDUC 251 Introduction to the Teaching Profession by participating in a 40-hour field experience at an elementary or secondary school site. Regular class meetings with the Instructor are also required with activities that may include, but are not limited to discussing and reflecting on field experiences, exploring additional trends/topics in education, developing lessons and guest presentations.

Typically Offered: Fall, Spring.

Prerequisite or Corequisite: EDUC 251.

EDUC 277. Mathematics for Elementary Teachers I. 3 Credits.

A course designed to provide elementary teachers with the ability to integrate the understanding of content with the understanding of how students learn arithmetic concepts. Students study the application of arithmetic concepts of the solutions of problems. Mathematical content includes algebra fundamentals, functions, graphing, inductive and deductive reasoning, whole number operations, number bases, numeration systems, place value, number theory topics, sets, integers, decimals, percentages and fractions.

Typically Offered: Fall, Spring, Summer.

EDUC 278. Mathematics for Elementary Teachers II. 3 Credits.

A course designed to provide elementary teachers with the ability to integrate the understanding of content with the understanding of how students learn mathematical concepts. Students study the application of mathematical concepts to the solution of problems. Mathematical content includes topics in geometry, measurement, modular arithmetic, algebra, statistics, and probability.

Typically Offered: Fall, Spring, Summer.

EDUC 283. Understanding Cultural Diversity in Education. 3 Credits.

A multicultural study of the cultural, ethnic, linguistic, and developmental differences of students in the classroom. Included are traditional and modern Native American cultures and values with an emphasis on North Dakota Native Americans as well as strategies for teaching and assessing diverse cultural populations.

Typically Offered: Fall, Spring, Summer.

EDUC 294. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

EDUC 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

EDUC 300. Educational Technology. 2 Credits.

A study of the use of information and communication technologies for educational purposes. Students design and develop digital-age learning experiences that incorporate contemporary tools and resources to maximize content learning and to develop the knowledge, skills, and attitudes of a professional educator.

Typically Offered: Fall, Spring.

EDUC 305. Philosophy and Curriculum of Middle Level Education. 3 Credits.

A focus on the educational foundations essential to meeting the needs of young adolescents in the middle level schools. Education topics include philosophy, historical background, curriculum, facilitation of learning, organizational practices, assessment, and planning.

Typically Offered: Summer.

EDUC 310. Introduction to Early Childhood Education. 3 Credits.

A course designed to provide students with the terminology and historical background related to early childhood education. The course covers the growth and development of the child from birth to age eight with an emphasis on developmentally appropriate practices. Parental involvement, play, and observation practices are also examined.

Typically Offered: Fall, Summer.

EDUC 313. Language and Literacy in Early Childhood Education. 2 Credits.

A study of language and literacy growth and development during the early childhood years. Emphasis is given to sub-cultural language patterns, language and literacy problems, theories concerning the origins of language and literacy, and the relationship of language and literacy to thought and culture.

Typically Offered: Spring, Summer.

EDUC 315. Mathematics in the Elementary School. 3 Credits.

A study of mathematical concepts, systems of numbers, ways of presenting these concepts, and understanding how arithmetical concepts are developed, expanded, and reinforced. Special emphasis will be on the impact of technology, problem solving, and mathematical reasoning. Students will plan, implement, and evaluate lessons.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Admitted to Teacher Education, EDUC 277, and EDUC 278.

EDUC 320. Social Studies in the Elementary School. 3 Credits.

A study of the content, methods, and materials used when teaching elementary school social studies. Topics include multicultural education, geography, global education, law-related education, critical thinking, computer usage, and designing effective lesson plans.

Typically Offered: Fall, Spring.

Prerequisite: Admitted to Teacher Education.

EDUC 321. Foundations of Reading Instruction. 3 Credits.

An introductory course which provides the foundations of reading education. Topics include the reading process, emergent literacy, word identification, vocabulary development, comprehension, reading instruction approaches, and reading/study skills. Teaching reading in the multicultural classroom is a major theme.

Typically Offered: Fall, Spring.

EDUC 322. Methods of Language Arts Instruction. 3 Credits.

A course based upon the philosophy that the language arts are best taught as integrated modes. Topics include planning, implementing, and evaluating language arts lessons; language acquisition; teaching grammar usage, oral language, listening writing, handwriting, and spelling; developing language arts learning centers; and meeting the needs of culturally-diverse students.

Typically Offered: Fall, Spring, Summer.

Prerequisite: Admitted to Teacher Education and EDUC 321.

EDUC 323. Methods of Reading in the Elementary School. 3 Credits.

A concentration on the teaching of reading based upon the integrated teaching of language arts. Topics include phonics, phonemic awareness and literature-based approaches, guided reading, reading recovery, teaching reading in the content areas, promoting reading as a lifelong activity, organizing and managing classroom reading programs, using technology in literacy, diagnosis and correction of reading difficulties, and meeting the needs of culturally diverse and special needs students.

Typically Offered: Fall, Spring, Summer.

Prerequisite: Admitted to Teacher Education; .

Prerequisite or Corequisite: EDUC 321.

EDUC 330. Children's Literature. 3 Credits.

A study of children's literature with emphasis on the relationship of books to the basic needs of children. The importance of children's literature as a support to all areas of the curriculum is stressed. New trends in literature, the evaluation of literacy and visual elements and the multicultural concept are explored.

Typically Offered: Fall, Spring.

EDUC 337. Pre-Kindergarten Observation and Assessment. 3 Credits.

An opportunity for a field experience in a pre-kindergarten setting. The pre-service student will be involved in all aspects of teaching in the pre-kindergarten classroom including the administration of informal assessments of a pre-k student using multiple measures. Students are responsible for learning about the basic principles of administration, organization, leadership, and operation of early childhood programs.

Typically Offered: Fall, Spring, Summer.

Prerequisite: EDUC 310.

EDUC 350. Elementary Practicum and Classroom Management. 2 Credits.

An opportunity for pre-service teachers to gain experience in an elementary classroom in preparation for student teaching. The student works closely with an elementary teacher to develop a greater understanding of effective teaching and classroom management. This course requires the student to participate in both the practicum experience and the substitute teaching program.

Typically Offered: Fall, Spring.

Prerequisite: Admitted to Teacher Education.

Grading: S/U only.

EDUC 351. Secondary Practicum and Classroom Management. 1 Credit.

An opportunity for pre-service teachers to gain experience in a secondary classroom in preparation of student teaching. The student works closely with an secondary classroom teacher to develop a greater understanding of effective teaching and classroom management. Students are encouraged to take the practicum the same semester as their secondary methods course.

Typically Offered: Fall, Spring.

Prerequisite: Admitted to Teacher Education.

Grading: S/U only.

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EDUC 352. Culturally Diverse Practicum. 1 Credit.

Provides pre-service teachers an experience in a culturally diverse classroom. This experience will enable the pre-service teacher to be better prepared to meet all student's needs and develop a greater understanding of how to work with students from various backgrounds and socioeconomic levels.

Typically Offered: Fall, Spring.

Grading: S/U only.

EDUC 355. Science Methods for Elementary Teachers. 3 Credits.

A course designed to prepare prospective elementary teachers for effective teaching of science in elementary schools. Methods and materials are introduced and opportunities for practice and evaluation are available. Topics include critical thinking and questioning techniques, designing effective lesson plans and units.

Typically Offered: Fall, Spring.

Prerequisite: Admitted to Teacher Education.

EDUC 361. Foundations of Bilingual/Multicultural Education. 2 Credits.

A focus on models of bilingual education. Topics include research of the effectiveness, or lack thereof, of bilingual education; the history of bilingual education; and significant laws and court decisions affecting language minority students.

Typically Offered: Summer.

EDUC 363. Assessing ELL Proficiency. 2 Credits.

This is a methods course where students are required to demonstrate their ability to assess ELL students on their basis of the level of English language proficiency (ELP) attained, as well as scaffold accordingly. Additionally, students are required to demonstrate their ability to administer ELP instruments such as the WIDA ACCESS, and other corresponding formative language instruments.

Typically Offered: Fall.

Prerequisites: EDUC 361; Admission to Teacher Education.

EDUC 375. Teaching Reading in the Content Areas. 2 Credits.

A study of reading in the content areas. Methodology, organization of classroom, study skills, and strategies for dealing with the culturally different student are emphasized.

Typically Offered: Fall, Spring, Summer.

EDUC 390. Methods of Teaching ELL. 2 Credits.

A methods course where students are required to demonstrate their proficiency in language pedagogy specifically adapting mainstream classroom content's comprehensibility for English language learners (ELL). Students are required to demonstrate their proficiency implementing sheltered content instruction (SDAIE or SIOP).

Typically Offered: Spring.

Prerequisites: EDUC 361; Admission to Teacher Education.

EDUC 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

EDUC 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

EDUC 400. Educational Psychology. 2 Credits.

A study of how students learn and how effective teaching assists the learning process. Units of instruction include learning styles, information processing and cognitive skills development, classroom management, motivation, and assessment of student learning.

Typically Offered: Fall, Spring, Summer.

Prerequisite: Admitted to Teacher Education.

EDUC 430. Diagnosis and Correction of Reading Difficulties. 3 Credits.

A course designed to increase teachers' knowledge and skills of how to be effective reading teachers. Emphasis is placed on the diagnosis of reading strengths and weaknesses and materials and techniques for corrective/remedial instruction, including preparation on implementing interventions and strategies after the diagnosis of students.

Typically Offered: Fall, Spring, Summer.

Prerequisite: Admitted to Teacher Education .

Prerequisite or Corequisite: EDUC 323.

EDUC 431. Practicum in Corrective Reading (Elementary). 2 Credits.

Provides an opportunity for the advanced student to gain firsthand experience in public school remedial reading programs. Knowledge and skills concerning causes, diagnosis, and treatment of reading difficulties are put to practical use by incorporating interventions and strategies for struggling readers.

Typically Offered: Fall, Spring, Summer.

Prerequisite: Admitted to Teacher Education; .

Prerequisite or Corequisite: EDUC 430.

Grading: S/U only.

EDUC 432. Practicum in Corrective Reading (Secondary). 2 Credits.

Provides an opportunity for the advanced student to gain firsthand experience in public school remedial reading programs. Knowledge and skills concerning causes, diagnosis, and treatment of reading problems are put to practical use.

Typically Offered: Fall, Spring, Summer.

Prerequisite or Corequisite: EDUC 430.

EDUC 433. Practicum and Assessment in Reading. 1 Credit.

This 30 hour practicum provides an opportunity for the student to gain first hand experience in public school corrective/remedial programs. Knowledge concerning courses, diagnosis, and treatment of reading problems is put to practical use. Students will have an opportunity to work intensively with individual students or small groups of students who are experiencing problems in learning how to read. This practicum provides pre-service teachers with an opportunity to apply what they have learned in the prerequisite reading courses.

Typically Offered: Fall, Spring.

Prerequisite or Corequisite: EDUC 430.

EDUC 435. Kindergarten Education and Curriculum. 4 Credits.

A study of techniques and procedures for teaching kindergarten. The curriculum areas of social science, math, health, safety, expressive arts, and language arts are explored. Materials and methods are examined as well as organizational and management procedures appropriate to the preschool kindergarten child.

Typically Offered: Spring, Summer.

Prerequisite: Admitted to Teacher Education.

EDUC 450. Trends in Assessment and Educational Issues. 2 Credits.

A study of current issues and trends with an emphasis on assessment. The course focuses on formative and summative evaluation processes, comprehensive assessment strategies to measure student learning, holistic plans to determine student grades, state and national assessments, use of assessment data to determine curricular decisions and current issues with a significant impact on education.

Typically Offered: Fall, Spring, Summer.

Prerequisite: Admitted to Teacher Education.

EDUC 464. Practicum in the ELL Classroom. 2 Credits.

An opportunity for a practicum/classroom experience in a linguistically diverse setting. Students observe, teach, and work closely with a teacher as well as with students from diverse primary language backgrounds.

Typically Offered: Fall, Spring.

Prerequisite: EDUC 390.

EDUC 470. Methods of Teaching in the Middle School. 3 Credits.

Focused on strategies used in exemplary middle school teaching that are appropriate for young adolescent learners. The course provides students with an opportunity to learn and develop the knowledge and skills necessary to achieve teaching competency.

Typically Offered: Summer.

Prerequisite: Admitted to Teacher Education.

EDUC 475. Student Teaching (Secondary). 5 Credits.

Observation, teaching, and other experiences related to teaching in the secondary school.

Typically Offered: Fall, Spring.

Prerequisite: Admitted to Student Teaching.

Grading: S/U only.

EDUC 480. Student Teaching (Secondary). 10 Credits.

Observation, teaching and other experiences related to teaching. The student in secondary education spends twelve weeks of the senior year student teaching. K-12 majors will gain experience at the elementary and secondary levels.

Typically Offered: Fall, Spring.

Prerequisite: Admitted to Student Teaching.

Grading: S/U only.

EDUC 485. Student Teaching (Elementary). 5 Credits.

Observation, teaching, and other experiences related to teaching in the elementary school.

Typically Offered: Fall, Spring.

Prerequisite: Admitted to Student Teaching.

Grading: S/U only.

EDUC 490. Student Teaching (Elementary). 10 Credits.

Observation, teaching, and other experiences related to teaching. The student in elementary education spends twelve weeks of the senior year student teaching.

Typically Offered: Fall, Spring.

Prerequisite: Admitted to Student Teaching.

Grading: S/U only.

EDUC 491. Senior Portfolio. 1 Credit.

A course to assist the student in developing a Teaching for Learning Capstone unit during student teaching and a digital portfolio for graduation. The course addresses both technical application and content.

Typically Offered: Fall, Spring.

Grading: S/U only.

EDUC 492. Clinical Practice. 2-12 Credits.

A supervised Clinical Practice used in place of student teaching when the Clinical Practice can be used to satisfy the requirements for licensure.

Typically Offered: Fall, Spring.

Grading: S/U only.

Repeatable: Up to 12 Credits.

EDUC 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

EDUC 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

EDUC 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

English (ENGL)

Courses

ENGL 110. College Composition I. 3 Credits.

A course which introduces students to college-level reading, writing, rhetoric, and critical thinking skills.

Typically Offered: Fall, Spring.

Prerequisite: ACT English score of 18 or higher, ACT English score of 14-17 with corequisite of ASC 88, or ASC 87.

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ENGL 120. College Composition II. 3 Credits.

A course which continues the development of ENGL 110 skills with emphasis on research writing and documentation.

Typically Offered: Fall, Spring.

Prerequisite: ENGL 110 with a grade of C or better or an ACT English score of 23 or higher.

ENGL 125. Introduction to Professional Writing. 3 Credits.

A course which introduces the writing and research skills needed in business and technology fields. Topics include technical organizational patterns, document design, readability of text, research methods, research reporting and collaborative writing.

Typically Offered: Fall, Spring.

Prerequisite: ENGL 110 with a grade of C or better or an ACT English score of 23 or higher.

ENGL 194. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ENGL 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ENGL 210. College Composition III: Persuasive Writing. 3 Credits.

Advanced development of writing skills which emphasizes increasingly sophisticated and effective rhetoric and style. Topics include the study of classic and contemporary rhetorical strategies through the analysis of both written and visual media, and the application of that study in original student works, including memoir/narrative, critical analyses, and research.

Typically Offered: Spring.

Prerequisite: ENGL 120 or ENGL 125.

ENGL 213. Literary Publications. 0-1 Credits.

An introduction to creative and academic magazine publishing in which students will produce The Forge, the campus literary, essay, and arts journal. After learning about the current literary marketplace through a review of contemporary literary journals, students will learn how to solicit manuscript and visual art entries, and then edit, design, layout and publish the journal. Students will also take part in organizing an open mic event and promoting and distributing the finished product.

Typically Offered: Spring.

Prerequisite: ENGL 120 or ENGL 125.

Grading: S/U only.

Repeatable: Up to 3 Credits.

ENGL 220. Introduction to Literature. 3 Credits.

A course which introduces students to college-level reading and discussion of representative examples from poetry, drama, and fiction using common literary terminology. ENGL 220 may not be used to meet the English major literature requirements.

Typically Offered: Fall.

ENGL 225. Introduction to Film. 3 Credits.

A course which introduces students to film studies, including analysis of narrative and stylistic elements of films.

Typically Offered: Spring.

ENGL 232. Mythology. 3 Credits.

A study of representative myths, legends, and folklore from various cultures with emphasis upon the literary and cultural aspects of myth.

Typically Offered: Fall.

ENGL 241. World Literature I. 3 Credits.

A survey of major world literature text dating from antiquity through medieval times.

Typically Offered: Fall, even years.

ENGL 242. World Literature II. 3 Credits.

A survey of major world literature texts dating from the Renaissance to the present.

Typically Offered: Spring, odd years.

ENGL 261. American Literature I. 3 Credits.

A survey of the principle authors and literary movements to the end of the Civil War.

Typically Offered: Fall, odd years.

ENGL 262. American Literature II. 3 Credits.

A survey of the principle authors and literary movements from the end of the Civil War to the present time.

Typically Offered: Spring, even years.

ENGL 294. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ENGL 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ENGL 300. Grammatical Analysis. 3 Credits.

A practical course in grammatical construction and usage, including traditional, structural, and transformational descriptions.

Typically Offered: Fall.

ENGL 305. Writing Workshop. 1 Credit.

A workshop course dealing with the original student work in a specific creative writing genre including poetry, drama, fiction, or creative non-fiction. May be repeated for credit.

Typically Offered: Fall-odd yrs; Spring.

Repeatable: Up to 3 Credits.

ENGL 309. Linguistics and Language Acquisition. 3 Credits.

A study of the nature of language, organization principles of language, the history of English language and the principles of language change, and the psycholinguistic theories of first and second language acquisition.

Typically Offered: Summer; Spring, even years.

ENGL 310. Writing in the Major. 3 Credits.

An intensive study of various methods of composition specific to the discipline and stressing theory, research, audience expectation, and revision.

Typically Offered: Spring, odd years.

ENGL 330. Creative Writing. 3 Credits.

The intensive study and practice of writing poetry, short stories, and nonfiction, with the goal of constructing a polished portfolio of work. The course includes the exploration of contemporary genres and writing techniques.

Typically Offered: Fall, even years.

Prerequisite: ENGL 120 or ENGL 125.

ENGL 350. Young Adult Reading and Literature. 3 Credits.

An examination of reading theories and issues as they relate to literature for young adults. Works of literature for young adults will be studied with regard to reading issues, human development, censorship, literary value, and lifelong reading/learning. The course will include identifying reading materials for mainstream and reluctant readers with a focus on diversity such as ethnic, socio-economic, and gender.

Typically Offered: Spring.

ENGL 351. British Literature I. 3 Credits.

A survey of principle British authors and literary movements, covering the literature from the early Middle Ages through the end of the 18th Century.

Typically Offered: Spring, odd years.

ENGL 352. British Literature II. 3 Credits.

A survey of the principle British authors and literary movements from the Romantic period to the present time.

Typically Offered: Fall, odd years.

ENGL 360. Literature in Translation. 3 Credits.

A study of representative works from non-English speaking countries with emphasis on literary representation of postcolonial and postmodern experience.

Typically Offered: On sufficient demand.

ENGL 371. Critical Theory. 3 Credits.

A formal introduction to traditional and contemporary critical approaches which build upon discipline-specific methods of literary analysis.

Typically Offered: Spring, even years.

ENGL 391. Global Seminar. 1-3 Credits.

Interdisciplinary examination of a specific language, culture, and its current local/global issues. In-depth experiences in the country of student's choice. Required before a study-abroad program travel. Cross-referenced with GEOG 391, HIST 391, and HUM 391.

Typically Offered: Spring.

Same As: ENGL, GEOG, HIST, HUM 391.

ENGL 393. Writing Center Tutoring. 1 Credit.

A concentrated tutor training course for developing the knowledge and skills necessary for writing tutors to effectively assist individuals and small groups with their writing challenges. Topics include tutoring techniques, revision strategies, error identification, and VCSU's Writing Center methodologies. Any student who wishes to work in the Writing Center must complete this course before becoming a writing tutor. The course does not count toward a major or minor in English.

Typically Offered: Fall, Spring.

ENGL 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ENGL 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ENGL 409. Language and Culture. 3 Credits.

An examination of the basic sociocultural variables in the acquisition process of first and second languages. Theories in language use, language learning, types of bilingual and multilingual education situations, and social determinants of dialect and style will also be discussed.

Typically Offered: Fall.

ENGL 410. Technical and Scientific Writing. 3 Credits.

An advanced writing course which focuses on formal writing projects required in technical and scientific fields to include technical and scientific research reports and proposals, RFPs, and grant writing.

Typically Offered: Fall-even yrs; Spring-even yrs.

Prerequisite: ENGL 120 or ENGL 125.

ENGL 420. Writing for the Web. 3 Credits.

A study of the types and rhetorical demands of online communication, focusing especially on writing help documents, FAQs, software documentation, and copyright issues. Includes copy-editing concerns (clarity, conciseness, accuracy, grammatical correctness) as they relate to these types of writing.

Typically Offered: Fall, odd years.

Prerequisite: ENGL 120 or ENGL 125.

ENGL 430. Studies in Poetry. 3 Credits.

An intensive study of poetic principles as exhibited in the poetry of selected authors, themes, or types.

Typically Offered: On sufficient demand.

ENGL 440. Studies in World Literature. 3 Credits.

An advanced course of selected genres, authors, themes, or eras in World Literature.

Typically Offered: Fall, odd years.

Repeatable: Up to 6 Credits.

ENGL 450. Studies in British Literature. 3 Credits.

An advanced course of selected genres, authors, themes, or eras in British literature. May be repeated for credit.

Typically Offered: Fall, even years.

Repeatable: Up to 6 Credits.

ENGL 460. Studies in American Literature. 3 Credits.

An advanced course which examines selected genres, authors, themes, or eras in American Literature. May be repeated for credit.

Typically Offered: Spring, odd years.

Repeatable: Up to 6 Credits.

ENGL 480. Shakespeare. 3 Credits.

A study of Shakespeare's life, times, and writings, emphasizing major plays.

Typically Offered: Spring.

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ENGL 490. Methods of Teaching English. 3 Credits.

An examination of the curriculum, methods, materials, trends, and philosophy in the teaching of the English language arts in secondary schools. ENGL 490 must be successfully completed prior to student teaching.

Typically Offered: Fall, odd years.

Prerequisite: Admitted to Teacher Education.

ENGL 491. Senior Capstone. 2 Credits.

A course which provides the opportunity for upper-level students to work individually with professors in designing and completing a Senior Thesis, as well as exposing future graduates to discipline-specific career expectations and processes.

Typically Offered: Fall, Spring.

Grading: S/U only.

ENGL 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

ENGL 497. Internship. 3 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted for three hours per semester and may be repeated up to a maximum of six credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 6 Credits.

ENGL 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Finance (FIN)

Courses

FIN 350. Foundations of Banking. 3 Credits.

An introduction to Financial Institutions and Financial Markets. Topics include Financial Assets, the Banking System, and Operations of Financial Institutions.

Typically Offered: Fall.

FIN 375. Managerial Finance. 3 Credits.

An introduction to corporate finance. Emphasis will be placed on valuation techniques and long-term financial planning for business entities.

Typically Offered: Fall.

Prerequisite: MATH 103 or MATH 104 or MATH 107.

FIN 376. Managerial Finance II. 3 Credits.

A continuation of managerial finance. Topics include capital investment decisions, project analysis and evaluation, risk and return in the capital markets, capital structure and dividend policies.

Typically Offered: Spring.

Prerequisite: FIN 375 with a grade of C or better.

FIN 380. Principles of Investments. 3 Credits.

A course designed to provide the student with an understanding of the mechanics and principal problems of investing. Topics include the stock market, real estate, mutual funds, gold and collectibles.

Typically Offered: Spring.

FIN 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Geography (GEOG)

Courses

GEOG 100. Introduction to Earth Science. 4 Credits.

A broad, non-quantitative survey of topics in geology, oceanography, meteorology, and astronomy. This course is a prerequisite for many upper division courses and includes laboratory work. Cross-referenced with GEOL 100.

Typically Offered: Fall, Spring.

Same As: GEOG 100/GEOL 100.

GEOG 106. The Earth Through Time. 4 Credits.

A lecture and laboratory course which provides an introduction to the earth through time. Topics include the origin and history of the planet and the history and evolution of animal and plant life. The laboratory work involves studying fossils and interpreting geologic maps and stratigraphic columns. Cross-referenced with GEOL 106.

Typically Offered: Spring.

Prerequisite: GEOL 100/GEOG 100.

Same As: GEOG 106/GEOL 106.

GEOG 111. Survey of Geography. 3 Credits.

A survey of human, regional, political, physical, religious, and social geography of the world. This course will look at the ever changing relationship between human activity and its impact on the geographical landscape. The course will also look at spatial interaction and mapping, the use of natural resources, and socioeconomic development.

Typically Offered: Fall, Spring, Summer.

GEOG 151. Human Geography. 3 Credits.

A non-ethnocentric examination of the geography of human lifestyles and activities and their roles in human-environment interaction.

Typically Offered: Spring.

GEOG 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

GEOG 300. Environmental Earth Science. 4 Credits.

Environmentally focused course which studies and investigates important earth science problems affecting North Dakota, the United States, and the world. Working as a class, in groups, or as individuals, students do labs, field work, and research resulting in presentations about earth science topics. Cross-referenced with GEOL 300.

Typically Offered: Spring, odd years.

Prerequisite: GEOL 100/GEOG 100.

Same As: GEOG 300/GEOL 300.

GEOG 320. Applied Geography Workshop. 1 Credit.

This course will study applied geographical issues of the world. This course is designed to present field related topics that are new or changing in the discipline of geography.

Typically Offered: On sufficient demand.

GEOG 325. History and Geography of England and Britain. 3 Credits.

A study of the geography and the political, economic, and social history of England and its empire from antiquity to the present. Cross-referenced with HIST 325.

Typically Offered: Spring, odd years.

Same As: GEOG 325/HIST 325.

GEOG 362. Geography of North America. 3 Credits.

A spatial approach to the development of the United States and Canada which stresses changing cultural landscapes and assessing impacts of planning for resource utilization.

Typically Offered: Fall, odd years.

GEOG 391. Global Seminar. 1-3 Credits.

Interdisciplinary examination of a specific language, culture, and its current local/global issues. In-depth experiences in the country of student's choice. Required before a study-abroad program travel. Cross-referenced with ENGL 391, HIST 391, and HUM 391.

Typically Offered: Spring.

Same As: ENGL, GEOG, HIST, HUM 391.

GEOG 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

GEOG 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

GEOG 460. The Atlantic World. 3 Credits.

This course is an interdisciplinary investigation of the political, economic, and social developments that shaped the region, from the age of empires to the decolonization of the twentieth century. Using a comparative approach, this course examines the Atlantic community constructed between Africa, Western Europe and the Americas, with particular attention to the interactions on matters of migration, market economies, ideology and cultural exchange. Cross-referenced with ECON 460 and HIST 460.

Typically Offered: Spring, odd years.

Same As: ECON 460/GEOG 460/HIST 460.

GEOG 492. Field Experience in Geography. 1-4 Credits.

A flexible requirement providing the opportunity for students to study a variety of environments in the field and to gain experience in outdoor living. A special project or internship may be substituted with department approval.

Typically Offered: Fall, even years.

Repeatable: Up to 4 Credits.

GEOG 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

GEOG 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Geology (GEOL)

Courses

GEOL 100. Introduction to Earth Science. 4 Credits.

A broad, non-quantitative survey of topics in geology, oceanography, meteorology, and astronomy. This course is a prerequisite for many upper division courses and includes laboratory work. Cross-referenced with GEOG 100.

Typically Offered: Fall, Spring, Summer Odd Years.

Same As: GEOG 100/GEOL 100.

GEOL 106. The Earth Through Time. 4 Credits.

A lecture and laboratory course which provides an introduction to the earth through time. Topics include the origin and history of the planet and the history and evolution of animal and plant life. The laboratory work involves studying fossils and interpreting geologic maps and stratigraphic columns. Cross-referenced with GEOG 106.

Typically Offered: Spring, even years.

Prerequisite: GEOL 100/GEOG 100.

Same As: GEOG 106/GEOL 106.

GEOL 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

GEOL 300. Environmental Earth Science. 4 Credits.

Environmentally focused course which studies and investigates important earth science problems affecting North Dakota, the United States, and the world. Working as a class, in groups, or as individuals, students do labs, field work, and research resulting in presentations about earth science topics. Cross-referenced with GEOG 300.

Typically Offered: Spring, odd years.

Prerequisite: Any General Education Science Course.

Same As: GEOG 300/GEOL 300.

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GEOL 315. Soil Science and Survey. 4 Credits.

A systematic investigation of the morphology, genesis, classification, and field determination of major soil types. Lab work and field analysis are included.

Typically Offered: Fall.

GEOL 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

GEOL 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

GEOL 416. Hydrology. 4 Credits.

A study of the properties, occurrence, and movement of water on Earth in relation to the hydrologic cycle. This course covers groundwater, surface water, atmospheric water, and soil water processes. Lab and field work are included.

Typically Offered: Fall, even years.

Prerequisite: GEOL 100/GEOG 100.

GEOL 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

Health, Physical Education, and Recreation (HPER)

Courses

HPER 100. Concepts of Fitness and Wellness. 2 Credits.

A course designed for students of all ages that teaches the facts about exercise and physical fitness. This general education course combines lecture about the theory of exercise and health issues with laboratory, activity, and technology experiences to introduce the student to concepts of holistic living.

Typically Offered: Fall, Spring, Summer.

HPER 108. Exercise Techniques for Resistance Training. 1 Credit.

An introductory course that instructs students in the safety and proper mechanics of resistance training.

Typically Offered: Fall, Spring.

HPER 109. Exercise Techniques and Program Design. 3 Credits.

An introductory course that instructs students in the safety and proper mechanics of weight training. Students will acquire knowledge as to the development of specific resistance training protocols. This course also focuses on the design and application of program design.

Typically Offered: Fall.

HPER 112. Varsity Baseball. 1 Credit.

The study, practice, and performance of baseball on a varsity level. This course may be repeated for credit.

Typically Offered: Spring.

Grading: S/U only.

Repeatable: Up to 4 Credits.

HPER 113. Varsity Basketball. 1 Credit.

The study, practice, and performance of basketball on a varsity level. This course may be repeated for credit.

Typically Offered: Spring.

Grading: S/U only.

Repeatable: Up to 4 Credits.

HPER 114. Varsity Cross Country. 1 Credit.

The study, practice, and performance of cross-country on a varsity level. This course may be repeated for credit.

Typically Offered: Fall.

Grading: S/U only.

Repeatable: Up to 4 Credits.

HPER 115. Varsity Football. 1 Credit.

The study, practice, and performance of football on a varsity level. This course may be repeated for credit.

Typically Offered: Fall.

Grading: S/U only.

Repeatable: Up to 4 Credits.

HPER 116. Varsity Golf. 1 Credit.

The study, practice, and performance of golf on a varsity level. The men's and women's golf teams practice and perform in the fall and spring semesters. Open to all student-athletes. This course may be repeated for credit.

Typically Offered: Spring.

Grading: S/U only.

Repeatable: Up to 4 Credits.

HPER 117. Varsity Softball. 1 Credit.

The study, practice, and performance of softball on a varsity level. This course may be repeated for credit.

Typically Offered: Spring.

Grading: S/U only.

Repeatable: Up to 4 Credits.

HPER 119. Varsity Track & Field. 1 Credit.

The study, practice, and performance of track and field events on a varsity level. This course may be repeated for credit.

Typically Offered: Spring.

Grading: S/U only.

Repeatable: Up to 4 Credits.

HPER 120. Varsity Volleyball. 1 Credit.

The study, practice, and performance of volleyball on a varsity level. This course may be repeated for credit.

Typically Offered: Fall.

Grading: S/U only.

Repeatable: Up to 4 Credits.

HPER 124. Clinical Experience I. 3 Credits.

This course will provide classroom and clinical Athletic Training experience under supervision and guidance of a program approved health care provider. Skills include: emergency care, taping and bracing techniques, and initial exposure to the role and skills of a Certified Athletic Trainer.

Typically Offered: Fall.

HPER 126. Applications for Taping, Protective Devices, and Equipment. 3 Credits.

An introductory course that offers principles and techniques in regard to athletic protective equipment, taping and bracing in the Sports Medicine field. The athletic training student will become proficient in design, construction, maintenance and reconditioning of protective equipment; as well as splinting and taping applications and procedures according to regulations.

Typically Offered: Spring.

HPER 127. Introduction to Kinesiology. 3 Credits.

An introductory preview into the real-world settings and occupations within the umbrella of kinesiology, exercise science, and rehabilitative studies. Topics include exploring the latest trends in the fields while appreciating the historical development of exercise science and rehabilitative studies. The course highlights evidence-based practices, equipment and assessment, motor behavior, and behavioral and psychological assessments by utilizing a systemic approach to exercise physiology, athletic training, physical therapy, occupational therapy, cardiac rehab, chiropractic, and sports nutrition.

Typically Offered: Fall.

HPER 128. Communication for Health Care Professionals. 3 Credits.

The course prepares students for interprofessional communication and documentation for health care professionals. The course focuses on the principles of interprofessional communication methods to help students develop an extensive vocabulary. Students will define, interpret, and apply medical terms relating to structure, function, pathology, diagnosis, clinical procedures, and pharmacology in a clinical setting.

Typically Offered: Spring.

HPER 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

HPER 206. Fundamentals of Teaching Health and Physical Education. 3 Credits.

A study of health and physical education as a discipline encompassing introductory pedagogy for the health and physical education classrooms. This course also includes the building of one's tool box" on content and technology used within the Health Education and Physical Education professions.

Typically Offered: Spring.

HPER 207. Prevention and Care of Athletic Injuries. 2 Credits.

An investigation of the methods of prevention and care used for injuries received in athletic activities. The course includes prevention, treatment, and rehabilitation for common athletic injuries from a coach's perspective. In addition to athletic taping techniques and instruction in universal precautions related to infectious diseases.

Typically Offered: Fall, Spring.

HPER 208. Introduction to Physical Education. 3 Credits.

An introduction to the nature and scope of physical education by means of a critical examination of sport, play, exercise, and dance. The course is designed to provide historical foundations of physical education as a profession and for sport as part of physical education. Special attention is focused on the role of physical education within the total education program.

Typically Offered: Fall, Spring.

HPER 210. First Aid & CPR. 1 Credit.

An introductory course that includes instruction and laboratory practice in first aid procedures, including CPR/AED. Upon successful completion of this course students will be certified by the American Red Cross in basic first aid and CPR/AED procedures.

Typically Offered: Fall, Spring.

HPER 212. Introduction to Stress Management. 2 Credits.

An introductory course designed to give students knowledge on how stress affects the body. This interactive course will provide lecture along with laboratory activities to teach appropriate and effective stress reduction techniques.

Typically Offered: Fall, Spring.

HPER 215. Motor Behavior. 3 Credits.

This course studies the process of human motor behavior across the lifespan, specifically examining how development of mental and motor abilities affect human movement.

Typically Offered: Spring.

HPER 220. Practical Application of Fitness Education. 3 Credits.

The purpose of this course is to help students improve their health related fitness components through active participation in a variety of safe and effective activities. The class includes a variety of aerobic activities, resistance training, core strength and flexibility exercises. Students will gain an understanding of the components of health-related fitness, training principles, and the benefits of being physically active. Students will participate in activities that will increase physical fitness levels and develop health practices that value physical activity and its contribution to lifelong fitness.

Typically Offered: Fall.

Prerequisite: HPER 108 or HPER 109.

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HPER 222. Recreation and Leisure in Modern Society. 2 Credits.

A course designed to acquaint students with the meaning, problems, and scope of the recreation and leisure industry. Material provides an introduction to the history, philosophy, and principles of recreation; the agencies providing recreation programs; and facility and personnel development, management, and programming.

Typically Offered: Spring, even years.

HPER 224. Clinical Experience II. 3 Credits.

This course will provide classroom and clinical Athletic Training experience under the supervision and guidance of a program approved health care provider. Content includes: anatomy and physiology, injury recognition and evaluation, and psychology as related to Athletic Training.

Typically Offered: Spring.

HPER 225. Leadership in Sport. 3 Credits.

A course that examines theoretical and practical approaches to leadership in sport. Students will learn about the various types of leadership and will develop the necessary tools to explore their own leadership capabilities.

Typically Offered: Spring.

HPER 226. Recognition of Orthopedic Injuries I. 3 Credits.

An in-depth course that examines the lower extremity of the human body using clinical assessment techniques. Orthopedic injury recognition will concentrate in the areas of musculoskeletal and neurological conditions of the foot, ankle, lower leg, knee complex, hip and pelvis.

Typically Offered: Fall.

HPER 227. Recognition of Orthopedic Injuries II. 3 Credits.

An in-depth course that examines the human body using orthopedic clinical assessment techniques. Orthopedic injury recognition will concentrate in the areas of musculoskeletal and neurological conditions of the hand, wrist, elbow, shoulder complex, and spine.

Typically Offered: Spring.

HPER 258. Applied Anatomy, Physiology, and Human Performance. 3 Credits.

A course designed to be an integrated learning experience in understanding the structure and function of the human body and its application to human movement. HPER 258 and 259 will not satisfy the hours required for the pre-professional students planning to enter the field of science or elementary education majors.

Typically Offered: Fall.

HPER 259. Applied Anatomy, Physiology, and Human Performance. 3 Credits.

A course designed to be an integrated learning experience in understanding the structure and function of the human body and its application to human movement and exercise physiology. HPER 258 and 259 will not satisfy the hours required for the pre-professional students planning to enter the field of science or elementary education majors.

Typically Offered: Spring.

Prerequisite: HPER 258.

HPER 285. Introduction to Adapted Physical Education. 3 Credits.

An introductory course designed to address all major areas of Adapted Physical Education - roles and competencies of the Adapted Physical Educator. The course examines the law, generalities of specific disabilities, assessments, IEP writing, modifications, and service delivery. It stresses professionalism in the workplace, awareness of the strength and limitation of those with disabilities and methods for inclusion (required for students not majoring in physical education).

Typically Offered: Spring.

HPER 287. Field Experience. 1-4 Credits.

An opportunity for the student to gain practical knowledge in an area of study. The student is required to complete 40 hours of work per credit and may be repeated up to a maximum of 12 credit hours. Application and approval through Program Department Chair.

Typically Offered: Fall, Spring.

Prerequisite: Cum GPA of 2.00 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

HPER 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

HPER 300. Drug Education and Information. 3 Credits.

A course offering basic information about substances including the use, misuse and abuse of drugs. The impact of drugs on society is presented along with a discussion of the most effective approaches used in promoting the responsible use of chemical substances.

Typically Offered: Fall, Spring, Summer.

HPER 301. Philosophy and Application of Football Coaching. 2 Credits.

A course designed to develop the student's coaching philosophy and knowledge of liability and coaching ethics. Additional topics include fundamentals, individual and team offense and defense, and offensive and defensive team strategy.

Typically Offered: Spring.

HPER 302. Philosophy and Application of Basketball Coaching. 2 Credits.

A course designed to develop the students coaching philosophy and knowledge of liability and coaching ethics. Additional topics include fundamentals, individual and team offense and defense, and offensives and defensive team strategy.

Typically Offered: Fall.

HPER 303. Philosophy and Application of Volleyball Coaching. 2 Credits.

Instruction in the offensive and defensive strategy and the practical application of fundamental skills and skill drills for playing volleyball.

Typically Offered: Spring.

HPER 304. Philosophy and Application of Baseball and Softball Coaching. 2 Credits.

A course designed to develop the student's coaching philosophy and knowledge of liability and coaching ethics. Additional topics include fundamentals, individual position play, and offensive and defensive team strategy.

Typically Offered: Fall.

HPER 305. Philosophy and Application of Track and Field Coaching. 2 Credits.

A basic introduction to coaching track and field. Topics are covered through demonstration, practice and video analysis.

Typically Offered: Spring.

HPER 307. Philosophy and Application of Coaching. 2 Credits.

A basic introduction to coaching various sports. The course will assist students in understanding the role of the coach and the appropriate coaching of various age groups.

Typically Offered: Fall; Summer odd years.

HPER 308. Introduction to Nutrition. 3 Credits.

An introductory course that studies the principles of nutrition. Students will study the major nutrient categories as well as current recommendations. Students will also study how nutrition positively and/or negatively can affect your health.

Typically Offered: Fall, Spring.

HPER 309. Sport Nutrition Concepts. 3 Credits.

An introductory course that examines the principles of nutrition as specifically related to sports participants. Students will acquire the knowledge necessary to apply sound nutritional practices within the physically active population.

Typically Offered: Fall.

HPER 311. Emergency Response Management. 3 Credits.

An advanced course that examines and evaluates current First Aid/CPR/AED skills for the Emergency Medical Responder maintained by the American Red Cross. The student will become proficient in the evaluation and immediate management of acute injuries and illnesses and become certified as an Emergency Medical Responder upon successful completion of the course.

Typically Offered: Fall.

HPER 314. Activities for the Physical Educator. 3 Credits.

The study, practice, and organization of individual, dual, and team activities. Units include badminton, pickleball, tennis, golf, volleyball, basketball, field hockey, soccer, softball, team handball, and more.

Typically Offered: Spring.

HPER 315. Communicable and Non-Communicable Diseases. 3 Credits.

A course designed to study communicable and non-communicable diseases as they relate to current health issues in the American society.

Typically Offered: Spring.

HPER 320. First Aid & CPR Instructor Certification. 2 Credits.

Instructor training for First Aid & CPR using American Red Cross methods of instruction. The course includes instruction, lesson planning, laboratory experience, teacher presentation, and testing. Students assist the Instructor Trainer in HPER 210 and, upon successful completion of the course, receive American Red Cross Instructor certification in First Aid and Cardiopulmonary Resuscitation (CPR).

Typically Offered: On sufficient demand.

Prerequisite: HPER 210.

HPER 324. Clinical Experience III. 3 Credits.

This course will provide classroom and clinical Athletic Training experience under the supervision and guidance of a program approved health care provider. Content includes: psychosocial aspects of sport and injury recognition and evaluation.

Typically Offered: Fall.

HPER 325. Instructional Methods in the Elementary Physical Education Classroom. 3 Credits.

The course is designed to prepare pre-service teachers to teach elementary physical education, grades k-6th. Content areas are pedagogy in the elementary physical education setting, curricular design, assessment of motor and skill mechanics of the elementary student, the integration of fitness in elementary physical education, as well as classroom management.

Typically Offered: Fall.

HPER 326. Therapeutic Modalities. 3 Credits.

An advanced course exploring the body's physiological responses to the administration of thermal, mechanical, electromagnetic, and light energies for specific orthopedic and non-orthopedic pathologies.

Typically Offered: Spring.

HPER 328. Therapeutic Exercise. 3 Credits.

An advanced course in the analysis and application of therapeutic rehabilitation using an evidence-based approach.

Typically Offered: Fall.

HPER 331. Injury Recognition and Evaluation of Head, Neck, and Spine. 3 Credits.

An in-depth course that examines the human body using orthopedic clinical assessment techniques. Orthopedic evaluations and injury recognition will concentrate in the areas of musculoskeletal and neurological conditions of the head, neck and spine.

Typically Offered: Fall.

HPER 332. Foundations of Clinical Medicine. 3 Credits.

A course providing foundational knowledge and skills associated with clinical medicine. The course offers foundational skills in medical history taking, physical diagnosis, and case presentation. Topics covered include (but are not limited to) pharmacology, infectious diseases, dermatology, rheumatology, neurology, pulmonology, cardiovascular, gastrointestinal, genitourinary/gynecological disorders, hematology/oncology, and endocrinology. The course is appropriate for pre-health professional students.

Typically Offered: Fall.

Prerequisites: BIOL 220 and BIOL 221.

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HPER 335. Legal Aspects of Sport. 3 Credits.

Study of legal and ethical implications relative to sport. Emphasis on core issues, safety, risk management, Title IX, and legal responsibilities of the coach/administrator.

Typically Offered: Spring.

HPER 338. Modern Sports Officiating. 2 Credits.

A study of officiating requirements and mechanics. The course focuses on understanding and interpreting the spirit and intent of the rules in today's sports. The sports covered include; baseball, softball, basketball, football, track and field, soccer, volleyball, and wrestling.

Typically Offered: Fall.

HPER 350. Sport Ethics. 2 Credits.

An investigation of the ethical issues facing coaches in today's society. Focus is placed on moral reasoning in sport and the preservation of moral development in athletics. The course examines how to diminish ethical problems by targeting those things which are positive in sport.

Typically Offered: Fall, Spring.

HPER 380. Instructional Methods in Human Sexuality. 3 Credits.

A study of the curriculum and methods used in the instruction of human sexuality in the 5-12 school environment. This course will explore the topic of sexuality and sex education, encompassing the topics of human reproductive anatomy, sexual development, sexual and reproductive health, interpersonal relationships, affection, intimacy, and gender roles. Physical, mental-emotional, and social aspects of sexuality will be addressed including sexual communication, relationships, safer sex practices, and decision making.

Typically Offered: Fall, Summer.

HPER 384. Fitness Assessment and Prescription. 3 Credits.

An exploration of fitness evaluation and exercise prescription. The course investigates activities that promote cardiovascular endurance, flexibility, resistance training, and anaerobic fitness. Students must have a basic knowledge of Exercise Physiology before taking the course.

Typically Offered: Spring.

Prerequisite: HPER 258.

HPER 386. Adapted Physical Education Teaching Strategies. 3 Credits.

A course designed to provide a knowledge base necessary to develop lesson plans using appropriate instructional strategies for the student of disability in the physical education classroom.

Typically Offered: Fall.

HPER 387. Field Experience. 1-4 Credits.

An opportunity for the student to gain practical knowledge in an area of study. The student is required to complete 40 hours of work per credit and may be repeated up to a maximum of 12 credit hours. Application and approval through Program Department Chair.

Typically Offered: Fall, Spring, Summer.

Prerequisite: Cum GPA of 2.00 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

HPER 388. Outdoor Pursuits for the Physical Educator. 2 Credits.

A study of pedagogy and skills used when participating in outdoor activities such as any of the following: Hiking, Disc golf, Orienteering, Geocaching, Snowshoeing, and Cross-country skiing.

Typically Offered: Spring.

HPER 390. Secondary Health Education Methods. 3 Credits.

A study of curriculum and health education methods used in promoting contemporary health education which enable the prospective teacher to plan, implement, evaluate, and reflect within the health education classroom. Emphasis is placed on the development of lesson and unit plans that incorporate measurable objectives aligned to the state and national standards. The class includes a practicum experience in which students are assigned to area public health education classes.

Typically Offered: Fall.

Prerequisite: Admitted to Teacher Education and HPER 306.

HPER 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

HPER 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

HPER 400. Current Issues in Community Health. 3 Credits.

A focus on identifying community or public health problems and the educational as well as environmental measures used for their prevention and control. Emphasis is placed on current health issues in our society and the principles involved in public health planning.

Typically Offered: Fall.

HPER 402. Adapted Physical Education Program Planning. 3 Credits.

A course designed to provide the knowledge base necessary to develop, organize, and administer an Adapted Physical Education Program.

Typically Offered: Spring.

HPER 405. Advanced Topics in Strength and Conditioning. 3 Credits.

An advanced course that assists students in the preparation for the national board examination to become a NSCA-Certified Strength and Conditioning Specialist. This course also allows students to assess their readiness as they prepare for the actual examination.

Typically Offered: Spring, even years.

HPER 410. Organization and Administration of Physical Education and Sport. 3 Credits.

A study of administrative philosophy and techniques in administering physical education, health, and athletic programs. The course also includes the principles of financial management, personnel management, and legal aspects.

Typically Offered: Spring, Summer.

HPER 415. Sport Governance and Policy. 3 Credits.

This course explores students to a variety of regulations within NCAA Division I, II, and III, NAIA, and NJCAA and help them to understand how to stay compliant using real-world situations (or practical examples). This course particularly focuses on important topics for intercollegiate athletic administrators and coaches, such as recruiting, practice and game scheduling, eligibility, scholarship and financial aid, and awards and benefits.

Typically Offered: Fall.

HPER 424. Clinical Experience IV. 3 Credits.

This course will provide classroom and clinical Athletic Training experience under the supervision and guidance of a program approved health care provider. Content includes: general medical conditions, therapeutic exercise, and injury recognition and evaluation.

Typically Offered: Spring.

HPER 425. Sport Psychology. 3 Credits.

An upper-level course that studies the social science of psychology in the sport setting. Psychology units include learning processes, motivation, mental preparation, and communication skills.

Typically Offered: Spring.

HPER 426. Clinical Experience V. 3 Credits.

This course offers clinical athletic training experience under the supervision and guidance of a program-approved health care provider in an approved setting. Course meets periodically for formal competency development will receive supervised clinical education experience in a variety of clinical education settings.

Typically Offered: Fall.

HPER 438. Organization and Administration for Kinesiology. 3 Credits.

An advanced course that develops student skills in the organization and administration in kinesiology. Topics include creating and disseminating risk management guidelines to reduce patient, employee, and business risk. Creating effective injury prevention programs and develop emergency policies and procedures. Managing human resources and fiscal management following leadership, organization, and management techniques, developing marketing plans to promote programs, services, and facilities. And how to use effective communication techniques to build professional relationships with other health professionals.

Typically Offered: Fall.

HPER 444. Exercise Physiology of Peak Performances. 3 Credits.

An advanced course that focuses on the role of Exercise Physiology in the training and conditioning of sports participants of all ages and activity levels. Students will acquire knowledge in regard to the benefits of exercise as a therapeutic agent in the rehabilitation of injury and disease, and its use to improve quality of life.

Typically Offered: Fall.

Prerequisites: HPER 258 and HPER 384.

HPER 445. Foundations in Coaching Methodology. 3 Credits.

This course introduces different coaching approaches and models in coaching and examines uniqueness and strengths/weaknesses of them. Further, students will learn how to determine which approach/model to implement based on individual athletes and goals to effectively improve overall performance.

Typically Offered: Fall.

HPER 454. Evidence-Based Practice. 3 Credits.

A dynamic course intended to expand students' ability to appropriately use research literature to guide clinical and practical decision-making and practice. Current issues, trends, and research in exercise science and rehabilitation professions are examined. The course serves as the capstone course for the exercise science and rehabilitative studies program and includes an in-depth research project utilizing evidence-based research methods.

Typically Offered: Spring.

HPER 455. Fundraising and Budget. 3 Credits.

This course will examine various aspects of fundraising for students entering the athletic profession. The course will also focus on the sport industry as a business and introduce students to practical applications in developing a financial plan.

Typically Offered: Spring.

HPER 485. Assessment in Adapted Physical Education. 3 Credits.

An advanced course designed to include the selection, evaluation, administration and interpretation of various tests used in the physical, behavioral and motor assessment practices of individuals with disabilities. This course prepares physical educators to administer a variety of norm and criteria referenced tests, and design age-appropriate learning activities.

Typically Offered: Spring.

Prerequisite: HPER 385.

HPER 487. Field Experience. 2-4 Credits.

An opportunity for the student to gain practical knowledge in an area of study. The student is required to complete 40 hours of work per credit and may be repeated up to a maximum of 12 credit hours. Application and approval through Program Department Chair.

Typically Offered: Fall, Spring, Summer.

Prerequisite: Cum GPA of 2.00 or higher.

Repeatable: Up to 12 Credits.

HPER 488. Adapted Physical Education Capstone. 2 Credits.

A course designed to combine content theory and instructional strategies with practical experiences in the adapted physical education setting.

Typically Offered: Fall.

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HPER 490. Methods of Teaching K-12 Physical Education. 3 Credits.

A study of curriculum and methods used in promoting contemporary K-12 physical education programs that enables the prospective teacher to understand, teach, and assess the significance of the program. The class includes a practicum experience in which students are assigned to area public school physical education classes.

Typically Offered: Fall.

Prerequisites: Admitted to Teacher Education, HPER 306, and HPER 325.

HPER 491. Senior Portfolio. 1 Credit.

A course to assist the student in developing the digital portfolio used to assess the completion of the requirements for the VCSU Abilities and Skills. The course addresses both technical application and content.

Typically Offered: Fall, Spring.

Grading: S/U only.

HPER 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

HPER 498. Coaching Practicum. 1-2 Credits.

A supervised coaching experience. Students arrange for their own experience with the approval of the course instructor.

Experience must be documented by keeping a daily log.

Typically Offered: Fall, Spring, Summer.

Prerequisites: HPER 207 and HPER 210.

HPER 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

History (HIST)

Courses

HIST 103. United States to 1877. 3 Credits.

A survey of U.S. History from the pre-Columbian era through 1877. The course examines causes of European exploration and colonization, the American Revolution, and the Civil War. Topics include abolitionism, political, social, and economic development of the new nation, Manifest Destiny, and Reconstruction.

Typically Offered: Fall.

HIST 104. United States to Present. 3 Credits.

A survey of U.S. History from Reconstruction through the last decade. Attention is given to social, economic and political history as well as the role of minorities and women in the development of modern American society. Topics addressed include segregation, immigration, major political movements, U.S. foreign policy, and civil rights.

Typically Offered: Spring.

HIST 211. World Civilizations to 1500. 3 Credits.

A survey of civilization to 1500 including a focus upon the early Middle East, Egypt, Rome, and Europe with attention to Asia, Africa, and South America.

Typically Offered: Fall.

HIST 212. World Civilizations since 1500. 3 Credits.

A survey of civilization since 1500. Topics include the Reformation, Absolutism, the French Revolution, the Industrial Revolution, Colonialism, Nationalism, and 20th Century World History including that of Africa, Asia, and South America.

Typically Offered: Spring.

HIST 220. North Dakota History. 3 Credits.

A general study of North Dakota geography, government, and history from 1800 to the present. Special emphasis is placed on the diversity of native and immigrant peoples.

Typically Offered: Spring, odd years.

HIST 267. Environmental History. 3 Credits.

A survey of the interrelationship between the natural environment and the people who inhabit the land. Emphasis is given to the factors and events which have changed and challenged America's attitude toward the land and its natural resources. The course covers both grassroots movements and government policies that have resulted in the conservation and environmental movements in American history. Cross-referenced with BIOL 267.

Typically Offered: Spring, even years.

Same As: BIOL 267/HIST 267.

HIST 270. Native American Studies. 3 Credits.

A multicultural study of Native American cultural and historical development. Topics addressed include interactions with European and Anglo-American settlers and government, agency and the concept of the Middle Ground, U.S. federal Indian policy, cultural resurgence, and North Dakota Indian tribes. Cross-referenced with SOC 270.

Typically Offered: Fall, even years.

Same As: HIST 270/SOC 270.

HIST 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

HIST 300. Race, Ethnic, and Gender Relations. 3 Credits.

The social-historical study of racial, ethnic, and gender relations. Cross-referenced with SOC 300.

Typically Offered: Fall, odd years.

Prerequisite: SOC 110.

Same As: HIST 300/SOC 300.

HIST 320. History of American West. 3 Credits.

A study of the political, economic and social impact of the West upon the course of American history.

Typically Offered: Fall, odd years.

HIST 321. History of Ancient Greece and Rome. 3 Credits.

A study of the political, economic, and social history of the two ancient foundations of Western Civilization.

Typically Offered: Fall, odd years.

HIST 325. History and Geography of England and Britain. 3 Credits.

A study of the geography and the political, economic, and social history of England and its empire from antiquity to the present. Cross-referenced with GEOG 325.

Typically Offered: Spring, odd years.

Same As: GEOG 325/HIST 325.

HIST 330. History of the Civil War Era (1850-1877). 3 Credits.

A study of the political, economic, and social causes and consequences of the Civil War era upon U.S. History.

Typically Offered: Spring, even years.

HIST 375. U.S. Constitution: Federalism. 3 Credits.

A narrative and case study of the development of the U.S. Constitution including U.S. Supreme Court decisions related to the development of Federalism in fact and theory. Cross-referenced with POLS 375.

Typically Offered: Spring, even years.

Same As: HIST 375/POLS 375.

HIST 376. U.S. Constitution: Civil Liberties. 3 Credits.

A narrative and case study of the development of the U.S. Constitution including U.S. Supreme Court decisions related to the exercise of civil liberty in fact and theory.

Typically Offered: Fall.

Same As: HIST 376/POLS 376.

HIST 380. The American Presidency. 3 Credits.

This course provides students with a general assessment of the issues involving the modern American Presidency. Topics include the development and practice of presidential leadership, the evolution of the modern Presidency, the process of presidential selection, the structure of the Presidency as an institution, and presidential policy-making. It explores the relationship of the Presidency with other major governmental institutions such as Congress and the judiciary branch, and the public and organized interest groups.

Typically Offered: Spring, odd years.

Same As: HIST 380/POLS 380.

HIST 391. Global Seminar. 1-3 Credits.

Interdisciplinary examination of a specific language, culture, and its current local/global issues. In-depth experiences in the country of student's choice. Required before a study-abroad program travel. Cross-referenced with ENGL 391, GEOG 391, and HUM 391.

Typically Offered: Spring.

Same As: ENGL, GEOG, HIST, HUM 391.

HIST 394. Independent Study. 1 Credit.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

HIST 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

HIST 400. Historiography. 3 Credits.

A detailed and analytical examination of the evolution of the study of history through time. Special emphasis is given to representative works of major historians.

Typically Offered: Fall.

HIST 454. Renaissance/Reformation. 3 Credits.

An in-depth study of religious, scientific, maritime, social, and political events in Europe between 1450 and 1648. Particular attention is given to the impact of the Reformation in Europe. This course delineates those qualities of life which transformed Europe and the Transatlantic World.

Typically Offered: On sufficient demand.

HIST 458. The World Wars: 1914-1945. 3 Credits.

An in-depth study of the causes and impact of The Great War and World War II. Particular attention is given to the major battles, powers, and personalities that shaped the events and ultimate outcome of both epic struggles. Topics covered in this class include nationalism, the naval arms race, total war, trench warfare, the Treaty of Versailles and the demise of the imperial system, rise of totalitarianism, the Great Depression, blitzkrieg, the Pacific Theater, the emergence of superpowers and the post-war political order.

Typically Offered: Fall, even years.

HIST 460. The Atlantic World. 3 Credits.

This course is an interdisciplinary investigation of the political, economic, and social developments that shaped the region, from the age of empires to the decolonization of the twentieth century. Using a comparative approach, this course examines the Atlantic community constructed between Africa, Western Europe and the Americas, with particular attention to the interactions on matters of migration, market economies, ideology and cultural exchange. Cross-referenced with ECON 460 and GEOG 460.

Typically Offered: Spring, odd years.

Same As: ECON 460/GEOG 460/HIST 460.

HIST 470. Topics in Non-Western History. 3 Credits.

A study of a selected area of the world that lies outside of the purview of Western history. Course topics may center on Africa, Latin America or Asia.

Typically Offered: Fall, Spring.

Repeatable: Up to 6 Credits.

HIST 490. Methods of Teaching Social Science. 3 Credits.

A study of methods used in teaching social science. Emphasis is on techniques and sources of materials. This course must be successfully completed before student teaching.

Typically Offered: Fall, Spring.

Prerequisite: Admitted to Teacher Education.

HIST 491. Senior Capstone. 1 Credit.

This course will assist student in creating the capstone portfolio. The course addresses technical application, content, and self-reflection.

Typically Offered: Spring.

Grading: S/U only.

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HIST 492. Historical Research Methods. 3 Credits.

A study of methodologies and sources historians use when conducting research. Students conduct original research.

Typically Offered: On sufficient demand.

HIST 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

HIST 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

HIST 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Humanities (HUM)

Courses

HUM 194. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

HUM 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

HUM 201. Civilization, Thought, and Literary Heritage. 3 Credits.

An introductory course designed to provide a chronological framework for the exploration of Western culture within a global context, emphasizing a humanistic approach to history, religion, philosophy, and literature.

Typically Offered: Spring.

HUM 202. Fine Arts and Aesthetics. 3 Credits.

An introductory course designed to acquaint the student with the development of music and the visual arts within the context of world civilization and to nurture aesthetic responsiveness.

Typically Offered: Fall.

HUM 294. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

HUM 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

HUM 391. Global Seminar. 1-3 Credits.

Interdisciplinary examination of a specific language, culture, and its current local/global issues. In-depth experiences in the country of student's choice. Required before a study-abroad program travel. Cross-referenced with ENGL 391, GEOG 391, and HIST 391.

Typically Offered: Spring.

Same As: ENGL, GEOG, HIST, HUM 391.

HUM 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

HUM 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

HUM 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Library Media and Information Science (LMIS)

Courses

LMIS 250. Introduction to the Library's Essential Role in Schools. 3 Credits.

An introduction to library types and services, the roles of the school librarian and the library program as an essential part of the learning community as well as an introduction to intellectual freedom and information technology as they relate to an inclusive school library community.

Typically Offered: Fall; Summer odd years.

LMIS 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

LMIS 360. Collection Development. 3 Credits.

An examination of the basic principles of selection and evaluation of library materials in a variety of formats, study and practice in the use of selection aids, and the development of collection policies and procedures to ensure the school library collection is diverse and inclusive, accessible and meets the information needs of a wide range of learners for both academic and personal interests.

Typically Offered: Spring; summer odd years.

LMIS 365. The Organization of Information. 3 Credits.

An introduction to the principles and theories of library cataloging, practical experience in the use of standard descriptive and subject cataloging, classification and MARC bibliographic format to support 24/7 access of materials to an inclusive school library community.

Typically Offered: Spring; Summer even years.

LMIS 370. Reference Sources and Services. 3 Credits.

An exploration of the reference role of the school librarian in collaborating with the learning community to actively engage learners in research, critical thinking and the inquiry process. Candidates will learn strategies to provide access to and support the needs of a diverse learning community, model and foster the ethical use of information, and promote digital citizenship.

Typically Offered: Fall; Summer even years.

LMIS 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

LMIS 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

LMIS 430. Administration of the School Library. 3 Credits.

A study of the purpose and function of a school library program and the principles of library management including leadership, advocacy, ethical practice, and evidence-based decision making to evaluate and inform library policies, resources and services in inclusive learning environments.

Typically Offered: Spring; Summer even years.

LMIS 445. Standards for Effective Libraries. 3 Credits.

An introduction and investigation of national and state curricular and library standards, with a focus on teaching and learning strategies which meet the diverse needs and development of all learners. Instructional strategies that integrate information literacy into the curriculum, support student-centered inquiry learning, ethical use of information and foster collaboration among librarians and classroom teachers are examined.

Typically Offered: Fall.

LMIS 470. Current Issues in Librarianship. 3 Credits.

An exploration of emerging school library trends with a focus on current issues related to diverse learners, inclusive technology-enabled environments, media literacy and digital citizenship, and professional learning.

Typically Offered: Spring; summer odd years.

LMIS 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

LMIS 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

LMIS 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Management (MGMT)

Courses

MGMT 235. Diversity in the Workplace. 3 Credits.

A course exploring several aspects of the role of diversity in the workplace, including its importance across business functions. Topics include legality of diversity in the workplace, managing inclusion and varying perspectives and contributions of diverse groups.

Typically Offered: Fall, Spring.

MGMT 270. Business Ethics. 3 Credits.

An investigation of the ethical dilemmas that the contemporary American and global business worlds face. The course examines the role of business in society, the nature of corporate social responsibility, environmental issues, and the influences of the social, political, legal, and regulatory environment. The course also challenges students' thinking about the impact of diversity on organizations, the relationship between business and the media, and the growth of e-business.

Typically Offered: Fall, Spring.

MGMT 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

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MGMT 330. Principles of Management. 3 Credits.

A study of management and organizational theory with special attention given to functions of planning, organizing, leading, and controlling in business organizations.

Typically Offered: Fall, Spring, Summer.

MGMT 340. Human Resource Management. 3 Credits.

A study of human resource management (HRM) including HRM planning, labor relations and labor law, job analysis, recruitment, selection, evaluation, compensation, benefits, training, discipline, safety/health, and international labor issues.

Typically Offered: Fall.

MGMT 372. Foundations of Leadership. 3 Credits.

A course designed to introduce the foundations of leadership. The course examines a theoretical background and practical information. Major theories of leadership will be examined and leadership will be integrated to various internal and external organizational factors. Student will learn to think critically about the leadership phenomenon and about the boundary conditions of leadership theories.

Typically Offered: Fall.

MGMT 381. Project Management. 3 Credits.

An investigation of the project management techniques and appropriate software used to effectively manage projects. This course covers the knowledge areas and other topics as defined by the Project Management Body of Knowledge (PMBOK). Cross-referenced with CIS 381 and SE 381.

Typically Offered: Spring.

MGMT 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MGMT 430. Organizational Behavior. 3 Credits.

An interdisciplinary study of behavior in the work environment to improve skills in leadership, motivation and communication.

Typically Offered: Spring.

Prerequisite: MGMT 330.

MGMT 460. International Business. 3 Credits.

A study of the international dimensions of business: global business environment (economic, cultural, legal, political) and international business functions (management, marketing, finance, exporting, importing).

Typically Offered: Fall, Spring, Summer Odd Years.

Prerequisite: MGMT 330.

MGMT 498. International Experience. 6-12 Credits.

An opportunity to apply classroom learning in a foreign setting. The experience must be related to the student's area of study and is granted in a range of six to twelve credits per semester with a maximum of twelve hours available. Application is made through the Department of Business.

Typically Offered: Fall, Spring, Summer.

Prerequisite: Junior Standing or Senior Standing.

Repeatable: Up to 12 Credits.

MGMT 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Marketing (MRKT)

Courses

MRKT 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MRKT 305. Principles of Marketing. 3 Credits.

An analysis of the activities, set of institutions, and processes for facilitating the exchange of products, services, and information. Topics include strategic planning; marketing segmentation, targets, and positioning; marketing research; sales; and public relations; creating, communicating, delivering, and exchanging offerings that have value for customers, clients, partners, and society at large.

Typically Offered: Fall, Spring.

MRKT 310. Digital Marketing. 3 Credits.

This course examines the theoretical understanding of the Internet marketplace, how to adapt to its many changes and the skills needed to perform vital daily functions within digital marketing.

Typically Offered: Fall, Spring.

Prerequisite: MRKT 305.

MRKT 340. Professional Sales. 3 Credits.

A course designed to focus on the principles and fundamentals of selling psychology, customer motivation, and sales steps with emphasis on techniques and human relations in selling situations. Students will determine client needs and wants and respond through planned, personalized communication that influences purchase decisions and enhances future business opportunities. Students will participate in product knowledge, analyzing the customer, and investigating the competition and capitalizing on the sale through experience exercises.

Typically Offered: Spring.

Prerequisite: MRKT 305.

MRKT 370. Advertising and Promotions. 3 Credits.

A thorough exploration of the communication process and consumer responses throughout that process. Students will acquire the skills needed to make strategic decisions regarding the use of traditional and/or new media to develop and carryout advertising campaigns.

Typically Offered: Fall.

Prerequisite: MRKT 305.

MRKT 375. Consumer Behavior. 3 Credits.

This class examines consumer behavior and the practical marketing implications of that behavior.

Typically Offered: Spring.

Prerequisite: MRKT 305.

MRKT 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MRKT 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MRKT 405. Retailing. 3 Credits.

A study of the field of retailing. Topics include establishing and maintaining relationships, basic principles of strategic planning, goods/services categories, targeting customers, gathering information, choosing a store location, merchandise management and pricing, and communication with the customer.

Typically Offered: Fall.

Prerequisite: MRKT 305.

MRKT 414. Social Media Management. 3 Credits.

An exploration of managing social media and analytical tools. This course explores the tools and strategic use of social media in promoting the goals and mission of both for-profit and non-profit organizations, covering advertising, marketing, public relations, and promotional strategies within the media scope of social media. Cross-referenced with COMM 414.

Typically Offered: Spring.

Same As: COMM 414/MRKT 414.

MRKT 415. Marketing Research. 3 Credits.

A study of the role of marketing research in strategic decision-making and the basics of scientific research. Topics include the marketing research process; exploratory, descriptive, and casual research designs; scales of measurement; questionnaire and focus group design; fieldwork; data preparation; and basics of interpreting statistical results of research.

Typically Offered: Spring.

Prerequisite: MRKT 305.

MRKT 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Mathematics

(MATH)

Courses

MATH 103. College Algebra. 3 Credits.

Relations and functions, equations and inequalities, complex numbers; polynomial, rational, exponential and logarithmic functions and systems of equations.

Typically Offered: On sufficient demand.

Prerequisite: ASC 93 with a grade of C or better, ACT Math score of 21 or higher, or qualifying math placement score.

MATH 104. Finite Mathematics. 3 Credits.

An extension of basic algebra to areas that have applications in the economic, behavior, social, and life sciences. Topics include systems of linear equations and inequalities, matrices, linear programming, mathematics of finance, elementary probability and descriptive statistics.

Typically Offered: Fall, Spring.

Prerequisite: ASC 93 with a grade of C or better, ACT Math score of 21 or higher, or qualifying math placement score.

MATH 105. Trigonometry. 2 Credits.

The study of trigonometric functions and their properties. Topics include angle measure; trigonometric and inverse trigonometric functions; trigonometric identities and equations; parametric and polar coordinates; and general applications.

Typically Offered: On sufficient demand.

Prerequisite: ASC 93 with a grade of C or better, ACT Math score of 21 or higher, or qualifying math placement score.

MATH 107. Precalculus. 3 Credits.

The study of algebraic functions in preparation for calculus. Topics include equations and inequalities; polynomial, rational, exponential, logarithmic, trigonometric and inverse trigonometric functions; trigonometric identities and equations; and applications.

Typically Offered: Fall, Spring.

Prerequisite: ASC 93 with a grade of C or better, ACT Math score of 21 or higher, or qualifying math placement score.

MATH 110. Mathematics in Society. 3 Credits.

This course covers a broad range of mathematics that a person would encounter in their daily life. Topics include: statistical interpretation, data visualization, probability, growth models, finance, politics and voting, logic and sets, and the intersection of mathematics and the arts. Throughout, appropriate use of mathematical technology will be emphasized.

Typically Offered: Fall, Spring.

Prerequisite: ASC 93 with a grade of C or better, ACT Math score of 21 or higher, or qualifying math placement score.

MATH 146. Applied Calculus I. 3 Credits.

A study of limits, derivatives, integrals, exponential, logarithmic functions and applications.

Typically Offered: On sufficient demand.

Prerequisite: MATH 103; or MATH 107; or ACT Math score of 24 or higher; or qualifying math placement score.

MATH 165. Calculus I. 4 Credits.

The concepts, techniques, and applications of analytic geometry and differential and integral calculus. Topics include limits, continuity, differentiation, Mean Value Theorem, integration, Fundamental Theorem of Calculus, and applications.

Typically Offered: Spring.

Prerequisite: MATH 107; or MATH 103 and MATH 105; or ACT Math score of 24 or higher; or qualifying math placement score.

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MATH 166. Calculus II. 4 Credits.

The concepts, techniques, and applications of analytic geometry and differential and integral calculus. Topics include applications and techniques of integration; polar equations; parametric equations; sequences and series; power series and applications.

Typically Offered: Fall.

Prerequisite: MATH 165.

MATH 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MATH 208. Discrete Mathematics. 3 Credits.

Sets, relations and functions, combinatorics, logic, methods of proof, Boolean Algebra, difference equations, mathematical induction, combinatorics, introduction to graph theory and automata.

Typically Offered: Fall, odd years.

Prerequisite: MATH 103 or MATH 104 or MATH 107 or MATH 165.

MATH 210. Elementary Statistics. 3 Credits.

An introduction to statistical methods of gathering, presenting and analyzing data. Topics include probability and probability distributions, confidence intervals, hypothesis testing, and linear regression and correlation.

Typically Offered: Fall, Spring.

Prerequisite: ASC 93 with a grade of C or better, ACT Math score of 21 or higher, or qualifying math placement score.

MATH 265. Calculus III. 4 Credits.

The concepts, techniques, and applications of analytic geometry and differential and integral calculus. Topics include multivariate and vector calculus including partial derivatives; multiple integration and its applications; line and surface integrals; Green's Theorem and Stoke's Theorem.

Typically Offered: Spring.

Prerequisite: MATH 166.

MATH 266. Introduction to Differential Equations. 3 Credits.

The study of differential equations. Topics include solutions of elementary differential equations by elementary techniques; Laplace transforms; systems of equations; matrix methods; numerical techniques; and applications.

Typically Offered: Fall.

Prerequisite: MATH 265.

MATH 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MATH 311. Modern Geometry. 3 Credits.

A study of axiomatic geometry including analysis and applications of the following topics: Congruence; Similarity, Right Triangles, and Trigonometry; Circles; Expressing Geometric Properties with Equations; Geometric Measurement and Dimension; Modeling with Geometry; Projective Geometry; Hyperbolic Plane Geometry; and Elliptic Plane Geometry.

Typically Offered: Spring, even years.

MATH 312. College Geometry II. 3 Credits.

A continuation of the advanced study of geometry. Topics include area theory, circles in a plane, constructions with ruler and compass, solid mensuration, and an introduction to non-Euclidean geometries.

Typically Offered: On sufficient demand.

MATH 313. Algebra and Functions for Teachers. 3 Credits.

A study of algebra and functions for pre-service teachers. Course includes analysis, applications, and pedagogical approaches for the following secondary school topics: seeing structure in expressions; arithmetic with polynomials and rational functions; creating and reasoning with equations and inequalities; interpreting and building linear, quadratic, exponential, and trigonometric functions.

Typically Offered: Spring, odd years.

MATH 314. Geometry & Trigonometry for Teachers. 3 Credits.

A study of axiomatic geometry and trigonometry for pre-service teachers. Course includes analysis, applications, and pedagogical approaches for the following secondary school topics: Congruence; Similarity, Right Triangles, and Trigonometry; Circles; Expressing Geometric Properties with Equations; Geometric Measurement and Dimension; Modeling with Geometry. Additional undergraduate axiomatic geometry topics include Projective Geometry, Hyperbolic Plane Geometry, and Elliptic Plane Geometry.

Typically Offered: Spring, even years.

MATH 321. Applied Probability and Statistics. 3 Credits.

A non-calculus-based introduction to methods of probability and statistics. Topics to be covered are combinatorial probability, random variables and their distributions, distribution functions and their properties, and the Central Limit Theorem and its applications. Sample-based inferences of population means and standard deviations, significance tests and confidence limits, tests of hypotheses, ANOVA, and regression analysis are covered.

Typically Offered: Spring.

Prerequisite: MATH 103 or MATH 104 or MATH 107 or MATH 165 or MATH 210.

MATH 330. Linear Algebra and Matrices. 3 Credits.

An introduction to linear algebra which includes matrix algebra, linear systems, the notion of a vector space, and linear transformations and their matrix representations.

Typically Offered: Spring, even years.

MATH 340. Abstract Algebra. 4 Credits.

A study of algebraic structures. Topics include sets, mappings, relations, and operations; axiomatic development of familiar algebraic systems; examples and basic algebraic properties of groups, rings and fields.

Typically Offered: Fall, even years.

Prerequisite: MATH 165.

MATH 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MATH 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MATH 400. History and Philosophy of Mathematics. 2 Credits.

An introduction to the history and philosophy of mathematics. Topics include informal origins; ancient, medieval, and modern mathematics; the role of proofs, the status of mathematical objects, logicism, intuitionism and constructive proofs, formalism and the axiom of choice.

Typically Offered: Spring, odd years.

MATH 410. Real Analysis. 3 Credits.

An introduction to rigorous theory of calculus. Topics covered include the real number system, sequences, limits, continuous functions in \mathbb{R} , continuous functions of several variables, metric spaces uniform convergence, interchange of limit operations, infinite series, mean value theorems and their applications, and Riemann integrals.

Typically Offered: Fall.

Prerequisite: MATH 265.

MATH 490. Teaching Secondary School Mathematics. 3 Credits.

An opportunity for students planning to teach math in the secondary schools to understand and apply content topics which align with ND Math Education standards and ND teacher education standards.

Typically Offered: Fall, even years.

MATH 491. Math Capstone. 1 Credit.

A capstone course designed for students to demonstrate competence in math program learning outcomes.

Typically Offered: Fall.

Grading: S/U only.

MATH 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MATH 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

MATH 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Music (MUS)

Courses

MUS 100. Music Appreciation. 3 Credits.

An introduction to some of the world's greatest music. Students learn to react to music on emotional and intellectual levels. Emphasis is placed on listening for basic elements of music, with a goal of establishing a life-long enjoyment of this art form.

Typically Offered: Fall, Summer.

MUS 101. Music Fundamentals. 3 Credits.

The study of fundamental music skills, including; reading notes, scales, and chords; listening skills; and music terminology. The course is open to all students.

Typically Offered: Spring, Summer.

MUS 104. Group Piano for Non-Majors. 1 Credit.

The first course in a two semester option intended for non-music majors who wish to learn to play the piano. Topics include basic note and rhythm reading, ensemble playing, and repertoire. Class instruction is given in an electronic piano laboratory.

Typically Offered: Fall.

MUS 105. Group Piano for Non-Majors. 1 Credit.

The second course in a two semester option intended for non-music majors who wish to learn to play the piano. Topics include basic note and rhythm reading, ensemble playing, and repertoire. Class instruction is given in an electronic piano laboratory.

Typically Offered: Spring.

Prerequisite: MUS 104.

MUS 109. Music Theory I. 3 Credits.

A sequence designed to develop the basic musicianship skills required to analyze, read, write, and perform music. These courses will use portfolios to document work, to demonstrate competencies, and to apply concepts to real musical situations.

Typically Offered: Fall.

MUS 110. Music Theory II. 3 Credits.

The second course in a two-semester sequence designed to develop the basic musicianship skills required to analyze, read, write, and perform music. This course uses portfolios to document work, to demonstrate competencies, and to apply concepts to real musical situations.

Typically Offered: Spring.

Prerequisite: MUS 109.

MUS 111. Class Piano I. 1 Credit.

The first course in a four-semester sequence which supplements music theory with class instruction in an electronic piano laboratory. Activities include sight-reading, transposing, improvising, score-reading, accompaniment coaching, ensemble playing, keyboard harmony, and keyboard facility.

Typically Offered: Fall.

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MUS 112. Class Piano II. 1 Credit.

A continuation of the development of skills introduced in MUS 111.

Typically Offered: Spring.

Prerequisite: MUS 111.

MUS 121. Aural Skills I. 1 Credit.

A companion course to Theory I, designed to develop the visual and aural skills of the student. Content includes rhythm and meter exercises; singing in scale degrees and solfege; and rhythmic, melodic and harmonic dictation.

Typically Offered: Fall.

MUS 122. Aural Skills II. 1 Credit.

A companion course to Theory II and a continuation of the development of skills introduced in MUS 121.

Typically Offered: Spring.

Prerequisite: MUS 121.

MUS 130. Valkyries. 0-1 Credits.

The study, rehearsal, and performance of choral literature for women's voices. The choir presents on- and off-campus concerts throughout the year. Open to all female students. May be repeated for credit.

Typically Offered: Fall, Spring.

Repeatable: Up to 10 Credits.

MUS 131. Concert Choir. 0-1 Credits.

The study, rehearsal, and performance of music for larger choral ensembles. The choir presents on- and off-campus concerts throughout the year. Open to all students with prior experience or by permission of the instructor. May be repeated for credit.

Typically Offered: Fall, Spring.

Repeatable: Up to 10 Credits.

MUS 132. University Singers. 0-1 Credits.

The development of individual and group musicianship and vocal skills through the study, rehearsal, and performance of chamber music, madrigals, and contemporary popular music, including vocal jazz and musical theatre. The group presents on- and off-campus concerts throughout the year. Open to all students by permission of the instructor. May be repeated for credit. MUS 132 may not be substituted by music education majors for MUS 131.

Typically Offered: Fall, Spring.

Repeatable: Up to 10 Credits.

MUS 133. Opera Ensemble. 0-1 Credits.

The study, rehearsal, and performance of music specific to opera, oratorio, and musical theatre. Admission is by audition only. May be repeated for credit.

Typically Offered: Fall-even yrs, Spring-odd yrs.

Repeatable: Up to 10 Credits.

MUS 134. Piano Ensembles. 1 Credit.

The study, rehearsal, and performance of music for all types of piano ensembles. Permission of instructor required. May be repeated for credit.

Typically Offered: Fall, Spring.

Repeatable: Up to 10 Credits.

MUS 135. Accompanying. 1 Credit.

Studio accompanying during one private lesson and one studio class weekly, as well as in the lessons, studio classes, recitals, and/or juries of various student performers. May be repeated for credit.

Typically Offered: Fall, Spring.

Repeatable: Up to 10 Credits.

MUS 140. Athletic Band. 0-1 Credits.

The Athletic Band rehearses weekly and represents the VCSU Music Department at football and basketball athletic events, serving student athletes, the Athletic Department, and the University. Repertoire will focus on standard and modern popular genres and styles, with an emphasis on musical energy.

Typically Offered: On sufficient demand.

Repeatable: Up to 10 Credits.

MUS 141. Concert Band. 0-1 Credits.

The study and performance of fine quality symphonic wind and percussion literature. The group presents concerts on- and off-campus annually. Open to all students by permission of the instructor. May be repeated for credit.

Typically Offered: Fall, Spring.

Repeatable: Up to 10 Credits.

MUS 142. Jazz Ensemble. 0-1 Credits.

The study and performance of big band music from the blues to modern jazz. The band presents concerts on-campus and performs at various social events on and off campus. Open to all students by permission of the instructor. May be repeated for credit. MUS 142 may not be substituted by music education majors for MUS 141.

Typically Offered: Fall, Spring.

Repeatable: Up to 10 Credits.

MUS 143. Commercial Music Ensemble. 1 Credit.

The study and performance of popular music for guitarists, drummers, singers, and keyboardists, and wind instruments. The group presents concerts on-campus and tours annually. Open to all students by permission of the instructor. May be repeated for credit.

Typically Offered: Fall, Spring.

Repeatable: Up to 10 Credits.

MUS 144. Percussion Ensemble. 1 Credit.

The study and performance of percussion music representing various style periods. Admission is by permission of the instructor. May be repeated for credit.

Typically Offered: On sufficient demand.

Repeatable: Up to 10 Credits.

MUS 145. Brass Ensemble. 1 Credit.

The study and performance of brass music representing various style periods. Admission is by permission of instructor. May be repeated for credit.

Typically Offered: Fall, Spring.

Repeatable: Up to 10 Credits.

MUS 146. Woodwind Ensemble. 1 Credit.

The study and performance of woodwind music representing various style periods. Admission is by permission of the instructor. May be repeated for credit.

Typically Offered: Fall, Spring.

Repeatable: Up to 10 Credits.

MUS 147. Handbell Choir. 1 Credit.

The study, pedagogy, rehearsal, and performance of music for Handbell Choir. This ensemble serves as basic preparation for leading Handbell Choirs. Admission is by permission of instructor. May be repeated for credit.

Typically Offered: Fall, Spring.

Repeatable: Up to 10 Credits.

MUS 148. Orchestra. 1 Credit.

The study and performance of symphonic and orchestral literature. The group presents concerts on- and of-campus annually. The course is open to all students, faculty, staff, and community members who play string, wind, or percussion instruments by permission of the instructor and may be repeated for credit.

Typically Offered: Fall, Spring.

Repeatable: Up to 10 Credits.

MUS 149. Wind Ensemble. 0-1 Credits.

The study and performance of fine quality symphonic wind literature through a chamber ensemble setting. The group presents concerts on- and off-campus annually. Open by Instructor Permission.

Typically Offered: Spring.

Repeatable: Up to 10 Credits.

MUS 150. Applied Piano. 1-2 Credits.

1 credit music lessons (a weekly half hour of private instruction) are open to all students, regardless of program of study; and to music majors and minors depending upon the requirements of their program. 2 credit music lessons (a weekly hour of private instruction) are open only to music majors and minors. Music majors and minors will complete at least two semesters of 100-level applied music before passing to the next level. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Repeatable: Up to 8 Credits.

MUS 152. Voice Class. 1 Credit.

The fundamentals of vocal production for students with little or no previous vocal training, instead as a preliminary to individual applied study or choral ensemble participation. Vocal secondaries may substitute MUS 152 for one semester of MUS 153. Admission is by permission of the instructor.

Typically Offered: Fall, Spring.

Repeatable: Up to 2 Credits.

MUS 153. Applied Voice. 1-2 Credits.

1 credit music lessons (a weekly half hour of private instruction) are open to all students, regardless of program of study; and to music majors and minors depending upon the requirements of their program. 2 credit music lessons (a weekly hour of private instruction) are open only to music majors and minors. Music majors and minors will complete at least two semesters of 100-level applied music before passing to the next level. Applied lessons may not be audited. Students with little or no previous vocal training will enroll in MUS 152 Voice Class. Vocal secondaries may substitute MUS 152 for one semester of MUS 153.

Typically Offered: Fall, Spring.

Repeatable: Up to 8 Credits.

MUS 154. Applied Guitar. 1-2 Credits.

All music majors and minors are required to take applied music. Non-music students may take applied music (1 credit per semester) if time is available in the Instructor's teaching schedule.

Typically Offered: Fall, Spring.

Repeatable: Up to 8 Credits.

MUS 155. Applied Strings. 1-2 Credits.

Applied music in orchestral strings: violin, viola, cello, or bass. 1 credit music lessons (a weekly half hour of private instruction) are open to all students, regardless of program of study; and to music majors and minors depending upon the requirements of their program. 2 credit music lessons (a weekly hour of private instruction) are open only to music majors and minors. Music majors and minors will complete at least two semesters of 100-level applied music before passing to the next level. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Repeatable: Up to 8 Credits.

MUS 159. Applied Percussion. 1-2 Credits.

1 credit music lessons (a weekly half hour of private instruction) are open to all students, regardless of program of study; and to music majors and minors depending upon the requirements of their program. 2 credit music lessons (a weekly hour of private instruction) are open only to music majors and minors. Music majors and minors will complete at least two semesters of 100-level applied music before attempting the proficiency exam and passing to the next level. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Repeatable: Up to 8 Credits.

MUS 160. Applied Brass. 1-2 Credits.

Applied music in brass instruments: trumpet, horn, trombone, euphonium, or tuba. 1 credit music lessons (a weekly half hour of private instruction) are open to all students, regardless of program of study; and to music majors and minors depending upon the requirements of their program. 2 credit music lessons (a weekly hour of private instruction) are open only to music majors and minors. Music majors and minors will complete at least two semesters of 100-level applied music before passing to the next level. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Repeatable: Up to 8 Credits.

MUS 165. Applied Woodwinds. 1-2 Credits.

Applied music in woodwinds: flute, clarinet, saxophone, oboe, or bassoon. 1 credit music lessons (a weekly half hour of private instruction) are open to all students, regardless of program of study; and to music majors and minors depending upon the requirements of their program. 2 credit music lessons (a weekly hour of private instruction) are open only to music majors and minors. Music majors and minors will complete at least two semesters of 100-level applied music before passing to the next level. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Repeatable: Up to 8 Credits.

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MUS 170. Jazz Improvisation. 1-2 Credits.

Development of the ability to improvise music based upon a variety of chord structures. Instruction is in individual lessons or small groups. May be repeated for credit.

Typically Offered: On sufficient demand.

Repeatable: Up to 8 Credits.

MUS 171. Introduction to Music Technology. 3 Credits.

The development of basic skills and technology in the field of music. Students will become familiar with basic music software for both composition and recording; and will learn foundational skills in live sound reinforcement, recording technology, MIDI applications and programs, and podcasting.

Typically Offered: Fall.

MUS 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MUS 200. Music Convocation. 0 Credits.

This course meets during the semester for student recital hours and music student meetings. The course is required of all music majors and minors for the duration of the program. Exceptions are made only for students who are practice teaching, or for majors and minors who have completed all program requirements.

Typically Offered: Fall, Spring.

Grading: S/U only.

Repeatable: Up to 0 Credits.

MUS 201. Music Theory III. 3 Credits.

The study of harmonic and contrapuntal procedures used in western music from 1500 to the present. Emphasis is placed on formal structure, style characteristics, visual and aural analysis, and part-writing.

Typically Offered: Fall.

Prerequisite: MUS 110.

MUS 202. Music Theory IV. 3 Credits.

A continuation of MUS 201. Emphasis is placed on formal structure, style characteristics, visual and aural analysis, and part-writing.

Typically Offered: Spring.

Prerequisite: MUS 201.

MUS 203. Aural Skills III. 1 Credit.

A companion course to Theory III, designed to develop the visual and aural skills of the student. Content includes rhythm and meter exercises; singing in scale degrees and solfege; and rhythmic, melodic and harmonic dictation.

Typically Offered: Fall.

Prerequisite: MUS 122.

MUS 204. Aural Skills IV. 1 Credit.

A companion course to Theory IV and a continuation of development of the skills introduced in MUS 203.

Typically Offered: Spring.

Prerequisite: MUS 203.

MUS 205. Basic Conducting. 2 Credits.

A study of basic conducting techniques, score preparation, and interpretation of choral and instrumental literature.

Typically Offered: Fall.

Prerequisite: MUS 110.

MUS 206. World Music. 3 Credits.

A survey course concerning music of the world in relation to the trajectory of Western Art Music. Topics include folk, popular, and other musical forms of both North and South America, Africa, Asia, Europe, and the Middle East. Music is studied within the context of its respective social-cultural epoch.

Typically Offered: Spring.

MUS 207. History of Rock and Roll. 3 Credits.

A historical survey of American popular music, expressly the Rock and Roll genre from the turn of the 20th century to the present day.

Typically Offered: Fall, Spring, Summer.

MUS 209. Introduction to the Modern Recording Studio. 3 Credits.

An introduction to the modern recording studio, including recording, editing and mixing creative work, as well as principles of acoustics and psycho-acoustics. Computer-based recording equipment is used to demonstrate modern recording theory and practice. Basic use of virtual instruments, MIDI sequencing and loops are also covered in this course. In addition, students will gain experience with recording live events.

Typically Offered: Fall-even years; Spring.

Prerequisite: Sophomore Standing or higher.

MUS 211. Class Piano III. 1 Credit.

A course that supplements music theory with class instruction in an electronic piano laboratory. Activities include sight-reading, transposing, improvising, score-reading, accompaniment coaching, ensemble playing, keyboard harmony, and keyboard facility.

Typically Offered: Fall.

Prerequisite: MUS 112.

MUS 212. Class Piano IV. 1 Credit.

A course that supplements music theory with class instruction in an electronic piano laboratory. Activities include sight-reading, transposing, improvising, score-reading, accompaniment coaching, ensemble playing, keyboard harmony, and keyboard facility. A keyboard proficiency exam is given at the end of the semester to ensure all requirements have been met.

Typically Offered: Spring.

Prerequisite: MUS 211.

MUS 213. Class Piano. 1 Credit.

Keyboard instruction for online and face-to-face students working toward satisfaction of the keyboard proficiency requirement. Student must continue enrollment until completion of the proficiency. May be repeated for credit.

Typically Offered: Fall, Spring.

Repeatable: Up to 6 Credits.

MUS 220. Classical Composition. 2 Credits.

Elaboration of weekly projects using classical compositional techniques to improve fluency of ideas and expand skills in writing both melody and harmony. The course includes study and enhancement of transformational techniques. Acquired skills will be applied in the final composition project. This course may not be audited.

Typically Offered: Fall.

Prerequisite: MUS 109.

Repeatable: Up to 10 Credits.

MUS 221. Woodwind Methods. 1 Credit.

An introduction to basic techniques for performance and instruction of woodwind instruments, selection and care of instruments and review of instructional materials. An emphasis is placed on pedagogical experiences.

Typically Offered: Spring, even years.

MUS 222. Brass Methods. 1 Credit.

An introduction to basic techniques for performance and instruction of brass instruments, selection and care of instruments and review of instructional materials. An emphasis is placed on pedagogical experiences.

Typically Offered: Fall, even years.

MUS 223. Percussion Methods. 1 Credit.

An introduction to basic techniques for performance and instruction of percussion instruments, selection and care of instruments and review of instructional materials. An emphasis is placed on pedagogical experiences.

Typically Offered: Fall, odd years.

MUS 224. Guitar Methods. 1 Credit.

Basic techniques for performance and instruction of guitar and other fretted string instruments. Selection and care of instruments and review of instructional materials. An emphasis is placed on pedagogical experiences.

Typically Offered: Spring, odd years.

MUS 225. String Methods. 1 Credit.

An introduction to basic techniques for performance and instruction of fretted and orchestral string instruments, selection and care of instruments, and review of instructional materials. An emphasis is placed on pedagogical experiences.

Typically Offered: Fall, even years.

MUS 231. Diction for Singers I. 1 Credit.

A detailed study of the pronunciation and articulation of sung English and German using the International Phonetic Alphabet (IPA) as a tool for identifying and transcribing individual sounds.

Typically Offered: Fall, odd years.

Prerequisite: MUS 152 or MUS 153.

MUS 232. Diction for Singers II. 1 Credit.

A detailed study of the pronunciation and articulation of sung French and Italian using the International Phonetic Alphabet (IPA) as a tool for identifying and transcribing individual sounds.

Typically Offered: Spring, even years.

Prerequisite: MUS 231.

MUS 249. Introduction to Music Education. 2 Credits.

An introduction to the music education profession. This course examines the teaching profession, including the history, philosophies and social impacts of and current trends in music education. The course requires a 40 hour field experience in an elementary or secondary classroom.

Typically Offered: Fall.

MUS 250. Applied Piano. 2 Credits.

The second level of applied study, open to music majors and minors, includes a weekly hour of private instruction. The average student will complete at least two semesters of 200-level music lessons before attempting the sophomore proficiency exam and passing to the next level. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Prerequisite: Two semesters of MUS 150.

Repeatable: Up to 8 Credits.

MUS 253. Applied Voice. 2 Credits.

The second level of applied study, open to music majors and minors, includes a weekly hour of private instruction. The average student will complete at least two semesters of 200-level music lessons before attempting the sophomore proficiency exam and passing to the next level. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Prerequisite: Two semesters of MUS 153.

Repeatable: Up to 8 Credits.

MUS 254. Applied Guitar. 2 Credits.

The second level of applied study, open to music majors and minors, includes a weekly hour of private instruction. The average student will complete at least two semesters of 200-level music lessons before attempting the sophomore proficiency exam and passing to the next level. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Prerequisite: Two semesters of MUS 154.

Repeatable: Up to 8 Credits.

MUS 255. Applied Strings. 2 Credits.

Applied music in orchestral strings: violin, viola, cello, or bass. The second level of applied study, open to music majors and minors, includes a weekly hour of private instruction. The average student will complete at least two semesters of 200-level music lessons before attempting the sophomore proficiency exam and passing to the next level. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Prerequisite: Two semesters of MUS 155.

Repeatable: Up to 8 Credits.

MUS 259. Applied Percussion. 2 Credits.

The second level of applied study, open to music majors and minors, includes a weekly hour of private instruction. The average student will complete at least two semesters of 200-level music lessons before attempting the proficiency exam and passing to the next level. Prerequisite: two semesters (2-4 credits) of 100-level applied music, proficiency examination, and permission of the department. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Repeatable: Up to 8 Credits.

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MUS 260. Applied Brass. 2 Credits.

Applied music in brass instruments: trumpet, horn, trombone, euphonium, or tuba. The second level of applied study, open to music majors and minors, includes a weekly hour of private instruction. The average student will complete at least two semesters of 200-level music lessons before attempting the sophomore proficiency exam and passing to the next level. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Prerequisite: Two semesters of MUS 160.

Repeatable: Up to 8 Credits.

MUS 265. Applied Woodwinds. 2 Credits.

The second level of applied study, open to music majors and minors, includes a weekly hour of private instruction. The average student will complete at least two semesters of 200-level music lessons before attempting the sophomore proficiency exam and passing to the next level. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Prerequisite: Two semesters of MUS 165.

Repeatable: Up to 8 Credits.

MUS 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MUS 301. Scoring and Arranging. 2 Credits.

A study of the technique of scoring and arranging for instrumental and vocal ensembles in the public school. Attention is given to arranging and composing for ensembles with limited instrumentation. Students will complete several scoring assignments with hand manuscript, the latest computer scoring systems, and programmable synthesizer. Prerequisite: Successful completion of MUS 201.

Typically Offered: Spring.

Prerequisite: MUS 201.

MUS 302. Advanced Scoring and Arranging. 2 Credits.

An advanced study of scoring and arranging for band, jazz band, and vocal ensemble. Special attention is given to contemporary styles and the development of a personal compositional style.

Typically Offered: On sufficient demand.

Prerequisite: MUS 301.

MUS 305. Advanced Conducting. 2 Credits.

Advanced conducting techniques, score preparation, rehearsal techniques, and interpretation of choral and instrumental literature in various historical styles.

Typically Offered: Spring.

Prerequisite: MUS 205.

MUS 307. Recording and Mixing Techniques. 3 Credits.

Advanced multi-track recording, editing, mixing, and mastering techniques are explored using both analog and digital equipment. Students will learn conventional/creative miking and signal processing techniques. Additionally, students will use the techniques learned in this course to record live events.

Typically Offered: Fall, odd years.

Prerequisite: MUS 209.

Repeatable: Up to 6 Credits.

MUS 308. Modern Audio Recording II. 3 Credits.

This class further explores the concepts introduced in MUS 209. Topics include recording, editing, and mixing of creative work. Computer-based recording equipment is used to demonstrate modern recording theory and practice. Students will further explore the use of virtual instruments, MIDI sequencing and loop-based recording. In addition, students will mentor beginning students in recording live events. Students are expected to produce at a higher level than in MUS 209.

Typically Offered: Spring.

Prerequisite: MUS 210.

Repeatable: Up to 9 Credits.

MUS 309. The Business of Music. 3 Credits.

This class will explore various aspects of the music business such as copyright laws, digital media, arts marketing and management, distribution, song writing and publishing, business affairs, music in broadcasting and film, and career planning and development.

Typically Offered: Fall.

MUS 312. Electronic Music Production. 3 Credits.

The use of electronic instruments, controllers and virtual instruments are explored within the construct of modern digital audio workstations. Students will create original compositions using MIDI sequencing, looping, sampling and advanced MIDI techniques.

Typically Offered: Spring, odd years.

Prerequisite: MUS 120 and MUS 209.

Repeatable: Up to 6 Credits.

MUS 320. Popular Composition. 2 Credits.

Elaboration of weekly projects using popular compositional techniques to improve fluency of ideas and expand skills in writing both melody and harmony. The course includes study and enhancement of transformational techniques and various compositional styles. Acquired skills will be applied in the required final composition project. May be repeated for credit. This course may not be audited.

Typically Offered: Spring.

Prerequisite: MUS 109.

Repeatable: Up to 10 Credits.

MUS 325. Vocal Methods. 1 Credit.

An introduction to basic knowledge of correct vocal production techniques, vocal literature for students ages 13-23, and techniques for classification and instruction of changing and changed voices. An emphasis is placed on pedagogical experiences.

Typically Offered: Spring, odd years.

Prerequisite: MUS 152 or MUS 153.

MUS 327. Marching Band Methods. 1 Credit.

An introduction to the fundamental principles of marching and athletic bands. Topics will include philosophy of marching and athletic bands; marching fundamentals; the study of drill, movement, formations, and shows; and rehearsal techniques. An emphasis is placed on pedagogical experiences.

Typically Offered: Fall, even years.

MUS 331. Music History & Literature I. 3 Credits.

A survey of the history and literature of Western music from the ancient Greeks through the Baroque period. The course stresses the development of musical styles, forms, and media through the study of representative compositions and composers.

Typically Offered: Fall.

Prerequisite: ENGL 120 or ENGL 125.

MUS 332. Music History & Literature II. 3 Credits.

A survey of the history and literature from Classical period to the present. The course stresses the development of musical styles, forms, and media through the study of representative compositions and composers. Music is studied within the context of its social-cultural epoch.

Typically Offered: Spring.

Prerequisite: MUS 331.

MUS 350. Applied Piano. 1-2 Credits.

The third level of applied study, open to music majors and minors, includes a weekly hour of private instruction for performance-concentration majors and a weekly half-hour for music education majors. The average student will complete at least two semesters of 300-level music lessons after successful completion of the sophomore proficiency examination. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Prerequisite: Two semesters of MUS 250.

Repeatable: Up to 8 Credits.

MUS 353. Applied Voice. 1-2 Credits.

The third level of applied study, open to music majors and minors, includes a weekly hour of private instruction for performance-concentration majors and a weekly half-hour for music education majors. The average student will complete at least two semesters of 300-level music lessons after successful completion of the sophomore proficiency examination. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Prerequisite: Two semesters of MUS 253.

Repeatable: Up to 8 Credits.

MUS 354. Applied Guitar. 1-2 Credits.

The third level of applied study, open to music majors and minors, includes a weekly hour of private instruction for performance-concentration majors and a weekly half-hour for music education majors. The average student will complete at least two semesters of 300-level music lessons after successful completion of the sophomore proficiency examination. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Prerequisite: Two semesters of MUS 254.

Repeatable: Up to 8 Credits.

MUS 355. Applied Strings. 2 Credits.

The third level of applied study, open to music majors and minors, includes a weekly hour of private instruction. The average student will complete at least two semesters of 300-level music lessons after successful completion of the sophomore proficiency examination. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Prerequisite: Two semesters of MUS 255.

Repeatable: Up to 8 Credits.

MUS 359. Applied Percussion. 1-2 Credits.

The third level of applied study, open to music majors and minors, includes a weekly hour of private instruction for performance-concentration majors and a weekly half-hour for music education majors. The average student will complete at least two semesters of 300-level music lessons after successful completion of the sophomore proficiency examination. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Repeatable: Up to 8 Credits.

MUS 360. Applied Brass. 1-2 Credits.

The third level of applied study, open to music majors and minors, includes a weekly hour of private instruction for performance-concentration majors and a weekly half-hour for music education majors. The average student study will complete at least two semesters of 300-level music lessons after successful completion of before attempting the sophomore proficiency examination. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Prerequisite: Two semesters of MUS 260.

Repeatable: Up to 8 Credits.

MUS 365. Applied Woodwinds. 1-2 Credits.

The third level of applied study, open to music majors and minors, includes a weekly hour of private instruction for performance-concentration majors and a weekly half-hour for music education majors. The average student study will complete at least two semesters of 300-level music lessons after successful completion of before attempting the sophomore proficiency examination. Applied lessons may not be audited.

Typically Offered: Fall, Spring.

Prerequisite: Two semesters of MUS 265.

Repeatable: Up to 8 Credits.

MUS 378. Applied Pedagogy. 3 Credits.

A foundational course for teaching an applied instrument (including piano) through private lessons. The class focuses on teaching techniques and evaluation of materials relevant to applied instruction. Business and professional issues facing the independent studio teacher are covered as well as planning a well-rounded studio curriculum, including music theory, music history, chamber music, improvisation, summer camps, and uses for technology.

Typically Offered: Fall.

MUS 379. Piano Pedagogy. 3 Credits.

A course designed to provide an essential foundation for teaching piano. The class focuses on teaching techniques, evaluations of recent piano method books, piano repertoire, piano technique, and the skills of practicing, memorizing, and performing. An integral part of the class is observation of instruction and student teaching of private and/or group lessons under faculty supervision.

Typically Offered: Spring.

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MUS 385. Creative Performance. 1 Credit.

A course to prepare the student for the junior recital. While this course is aimed for those preparing a solo recital it is beneficial for anyone aiming for a career in the field of music. Topics include repertoire selection, advertising, marketing, web design, public relations, etc. with the goal of learning how to create and market one's image as well as how to meet the demands of the 21st century performer and educator.

Typically Offered: Fall.

MUS 388. Progressive Music Education I. 3 Credits.

This course will provide students methods for music education settings outside the traditional general, band, choir, and string programs.

Typically Offered: Fall, odd years.

Prerequisite: MUS 249 .

Prerequisite or Corequisite: MUS 143.

MUS 390. Music in the Elementary School. 3 Credits.

A course designed to provide a basic knowledge of music teaching techniques in the elementary school. Topics include curriculum mapping, motivation and management strategies, music learning theories, assessment and the instruction of diverse learners. Models of instruction include Orff, Kodaly, Dalcroze, and Gordon.

Typically Offered: Fall, odd years.

Prerequisite: Admitted to Teacher Education.

MUS 397. VCSU CSA Internship. 1 Credit.

An opportunity for students to serve as interns in the VCSU Community School of the Arts on either a teaching track or a conducting track. Student teachers are assigned students and have their teaching supervised and critiqued on a regular basis. Student conductors are given regular conducting and ensemble duties and are also supervised and critiqued regularly. This course may be repeated for credit. Approval of the Director of the Community School of the Arts or the appropriate ensemble director is required.

Typically Offered: Fall, Spring.

Repeatable: Up to 2 Credits.

MUS 398. Music Business Practicum. 3 Credits.

An opportunity for the music industry student to gain a real-life experience in a local music business. Students research their particular business placement and spend time working in the environment under the guidance of the proprietor and the university faculty.

Typically Offered: Fall, Spring.

Grading: S/U only.

MUS 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MUS 403. Choral Methods and Literature. 3 Credits.

An introduction to the methods, materials, models, and rehearsal techniques of the school choral music program. Includes a survey of choral literature, with studies in conducting techniques, score preparation, and interpretation of choral literature in various styles.

Typically Offered: Spring, odd years.

Prerequisite: MUS 205.

MUS 404. Instrumental Methods and Literature. 3 Credits.

An introduction to the methods, materials, models, and rehearsal techniques of the school instrumental music program. Includes a survey of instrumental literature, with studies in conducting techniques, score preparation, and interpretation of instrumental literature in various styles.

Typically Offered: Fall, even years.

Prerequisite: MUS 205.

MUS 435. Seminar in Musicology. 3 Credits.

A specialized study within music history. Topics may include intertextuality in music, race and gender studies within music, jazz history, Beethoven Symphonies, the development of opera, music since 1950, music between the world wars, etc.

Typically Offered: Fall, Spring, Summer.

Prerequisite: MUS 331.

Repeatable: Up to 15 Credits.

MUS 489. The 21st Century Music Classroom. 2 Credits.

Students will explore the issues and trends surrounding the 21st century music educator. Topics will include assessment using technology, student composition software, the use of new technologies to teach music to students with disabilities, virtual performance and recording, human response to music and applying musicianship in the 21st century.

Typically Offered: Fall, odd years.

Prerequisite: MUS 209 and MUS 390.

MUS 491. Music Recital Capstone. 1 Credit.

This 1 credit course is to be taken during the semester a student elects to present a recital as a VCSU capstone project. This course will be taken concurrently with 300-level Applied Music in the student's primary instrument or MUS 320, and with permission of the department chair.

Typically Offered: Fall, Spring.

MUS 492. Music Academic Capstone. 1-3 Credits.

An original academic project in Music that demonstrates and synthesizes a student's combined training and education over their undergraduate career. The student will select an area of interest and will undertake work that results in a research, pedagogical, or creative product. The student will work under the supervision of a faculty mentor. Students electing to complete a solo recital capstone should register for MUS 491.

Typically Offered: On sufficient demand.

MUS 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

MUS 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

MUS 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Physics (PHYS)

Courses

PHYS 100. Concepts of Physics. 4 Credits.

An introduction to the concepts of physics as they apply to everyday life. Ideas are presented with a conceptual rather than mathematical approach.

Typically Offered: Fall, Spring.

PHYS 110. Introductory Astronomy. 4 Credits.

An introductory study of the universe including the solar system, stars, stellar evolution, galaxies, black holes, big bang cosmology, and the expanding universe. Laboratory experiments, visual observations, and telescopic observations are included to reinforce the concepts covered.

Typically Offered: Fall.

PHYS 161. Introductory College Physics I. 4 Credits.

A general physics sequence for those who do not plan to take advanced courses in science. Topics include Newtonian mechanics and gravitation, work and energy, solids and fluids, vibrations and waves, electricity and magnetism, lights and optics. PHYS 161 has no mathematical prerequisite but knowledge of elementary algebra is recommended.

Typically Offered: On sufficient demand.

Same As: PHYS 161/PHYS 211.

PHYS 162. Introductory College Physics II. 4 Credits.

A general physics sequence for those who do not plan to take advanced courses in science. Topics include Newtonian mechanics and gravitation, work and energy, solids and fluids, vibrations and waves, electricity and magnetism, lights and optics.

Typically Offered: On sufficient demand.

Prerequisite: PHYS 161.

Same As: PHYS 162/PHYS 212.

PHYS 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

PHYS 211. College Physics I. 4 Credits.

This non-calculus general physics course is recommended for pre-medical or pre-professional students. Topics: Newtonian mechanics and gravitation, work and energy, solids and fluids, heat and thermodynamics. The laboratory is a component of this course. A student may not receive credit for PHYS 211 and PHYS 212, and also PHYS 161 and PHYS 162.

Typically Offered: Fall.

Prerequisite: a General Education Math class.

Same As: PHYS 161/PHYS 211.

PHYS 212. College Physics II. 4 Credits.

The non-calculus general physics course sequence recommended for pre-medical or preprofessional students. Topics: vibrations and waves, electricity and magnetism, light and optics, and an introduction to modern physics. The laboratory is a component of this course. A student may not receive credit for PHYS 211 and PHYS 212, and also PHYS 161 and PHYS 162.

Typically Offered: Spring.

Prerequisites: PHYS 211.

Same As: PHYS 162/PHYS 212.

PHYS 251. University Physics I. 5 Credits.

A general physics sequence for students majoring in chemistry, physics, or engineering. Topics include Newtonian mechanics and gravitation, work and energy, solids and fluids, heat and thermodynamics, vibrations and waves, electricity and magnetism, light and optics, and an introduction to modern physics. This course includes laboratory.

Typically Offered: Fall, odd years.

Prerequisite: MATH 165.

PHYS 252. University Physics II. 5 Credits.

A general physics sequence for students majoring in chemistry, physics, or engineering. Topics include Newtonian mechanics and gravitation, work and energy, solids and fluids, heat and thermodynamics, vibrations and waves, electricity and magnetism, light and optics, and an introduction to modern physics. This course includes laboratory.

Typically Offered: Spring, even years.

Prerequisites: MATH 166 and PHYS 251.

PHYS 275. Planetarium Science. 0-1 Credits.

Students will learn about the operation of the planetarium and observational astronomy by finding stars and constellations in the night sky, through the creation of an original presentation written by students in the fall semester and produced by students in the spring semester. Students will learn current planetarium shows for public presentation as well as guide tours of the Medicine Wheel. Creative writing, public speaking, and computer presentation production are skills used in this course. This course may be repeated for credit up to 3 semester credit hours.

Typically Offered: Fall, Spring.

Repeatable: Up to 3 Credits.

PHYS 294. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

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PHYS 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

PHYS 376. Embedded Systems. 3 Credits.

A study of micro-controller hardware and software with an emphasis on interfacing the micro-controller with external electronic devices such as transceivers, sensors and actuators for communications and control within an embedded system.

Typically Offered: Spring.

Same As: PHYS 376/SE 376.

PHYS 395. Laboratory Preparation and Management. 1 Credit.

A practicum-like course giving students the opportunity to directly assist the instructor in numerous aspects of laboratory instruction delivery. The course is designed to improve the competency of teaching laboratory by storeroom management, laboratory preparation and operation, evaluation of laboratory, equipment maintenance and repair, safety, classroom demonstrations and related topics. This course may be repeated for credit up to three semester credit hours.

Typically Offered: Fall, Spring.

Repeatable: Up to 3 Credits.

PHYS 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

PHYS 490. Secondary Science Methods and Techniques. 3 Credits.

A course designed to prepare prospective science teachers in the areas of curriculum planning, textbook selection, supplemental teaching aids, laboratory procedures, and in the ordering of equipment and supplies. The course includes laboratory practicum experience.

Typically Offered: Fall.

Prerequisite: Admitted to Teacher Education.

PHYS 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Prerequisite: Junior Standing or Senior Standing.

Repeatable: Up to 12 Credits.

PHYS 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

Political Science (POLS)

Courses

POLS 115. American National Government. 3 Credits.

This course offers an introductory survey of the structure and dynamics of American national government, providing a broad-based introduction to the ideas and institutions that shape politics in the contemporary United States. The course is organized in three wide-ranging themes: (i) foundations of the American political system, (ii) institutions of American government, and (iii) politics and political participation.

Typically Offered: Fall, even years.

POLS 116. State and Local Government. 3 Credits.

A study of the development, structure, and operation of American state and local governments and their roles in the lives of the American people.

Typically Offered: Fall, odd years.

POLS 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

POLS 330. Understanding Statistics. 3 Credits.

This course is an introduction to descriptive, inferential, and correlated statistics. Emphasis is placed on determining when to use each type of test and how to read and discuss statistical analyses. Cross-referenced with COMM 330, PSYC 330, and SOC 330.

Typically Offered: Fall.

Prerequisite: MATH 103 or MATH 104.

Same As: COMM/POLS/PSYC/SOC 330.

POLS 340. Research Methods. 3 Credits.

An exploration of social research processes and analyses. Fundamentals and specific application of the most common data gathering and measurement techniques are addressed.

Typically Offered: Spring.

Prerequisites: ENGL 110, ENGL 120 or ENGL 125, and COMM 330/POLS 330/PSYC 330/SOC 330.

Same As: COMM/POLS/PSYC/SOC 340.

POLS 345. International Political Economy. 3 Credits.

This course introduces students to the study of international political economy (IPE). The course focuses on the political foundations and consequences of the contemporary world economy. The course will survey the evolution of the international economic system, in particular since the Second World War, emphasizing the main contemporary theories, debates, and issues shaping the global economy and politics.

Typically Offered: Spring, even years.

Same As: POLS 345/ECON 345.

POLS 375. U.S. Constitution: Federalism. 3 Credits.

A narrative and case study of the development of the U.S. Constitution including U.S. Supreme Court decisions related to the development of Federalism in fact and theory. Cross-referenced with HIST 375.

Typically Offered: Spring, even years.

Same As: HIST 375/POLS 375.

POLS 376. U.S. Constitution: Civil Liberties. 3 Credits.

A narrative and case study of the development of the U.S. Constitution including U.S. Supreme Court decisions related to the exercise of civil liberty in fact and theory.

Typically Offered: Fall.

Same As: HIST 376/POLS 376.

POLS 380. The American Presidency. 3 Credits.

This course provides students with a general assessment of the issues involving the modern American Presidency. Topics include the development and practice of presidential leadership, the evolution of the modern Presidency, the process of presidential selection, the structure of the Presidency as an institution, and presidential policy-making. It explores the relationship of the Presidency with other major governmental institutions such as Congress and the judiciary branch, and the public and organized interest groups.

Typically Offered: Spring, odd years.

Same As: HIST 380/POLS 380.

POLS 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

POLS 395. Student Government Practicum. 1 Credit.

This course provides students who are elected to Student Senate a practicum experience in student government.

Typically Offered: Fall, Spring.

Repeatable: Up to 4 Credits.

POLS 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

POLS 420. Comparative Politics. 3 Credits.

This course surveys the major issues in Comparative Politics. Topics include political structures and processes in a wide variety of countries, analysis of modern states, different types of political regimes, governmental institutions, democracy and authoritarianism, and different political dynamics such as economy and development.

Typically Offered: Spring, odd years.

POLS 425. International Relations. 3 Credits.

This course is a wide-ranging introduction to the core theories, actors, and themes involved in contemporary international affairs. The course is comprehensive in its subject matter, although not exhaustive in detail. Its major objective is to introduce students to a wide range of issues and problems that have focused the attention of policy-makers, academics, and citizens throughout the 20th century.

Typically Offered: Fall, even years.

POLS 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

POLS 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

POLS 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Psychology (PSYC)

Courses

PSYC 111. Introduction to Psychology. 3 Credits.

A survey of the scientific study of behavior and mental processes.

Typically Offered: Fall, Spring.

PSYC 200. Ethics and Philosophy of Science. 3 Credits.

An exploration of ethical principles and philosophical considerations in science, including a focus on information and media literacy. Topics include the basics of deductive and inductive reasoning, ethical issues in research, philosophical limits of the scientific method, foundations of empiricism and sources of bias in social and natural sciences. Students will acquire skills needed to understand, interpret and discuss controversial issues.

Typically Offered: Spring.

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PSYC 210. Intimate Partner Violence. 3 Credits.

Intimate partner violence (IPV) is an area of research within social psychology that examines extreme aggressive actions that occur within the context of a romantic relationship. Topics include the nature of IPV, its many precursors, the effect it has on children, the response of criminal justice and healthcare systems, how and when it occurs, and some suggestions for interventions.

Typically Offered: Summer; Spring, odd years.

PSYC 240. Cognition and Brain Science. 4 Credits.

This lab science course is an exploration of cognitive processes. Topics covered will include: research methods in cognition and brain science, stages and nature of memory, motivation and emotion, language, and problem solving.

Typically Offered: Spring.

PSYC 250. Developmental Psychology. 3 Credits.

A survey of the psychology of human life span development.

Typically Offered: Fall, Spring, Summer.

Prerequisite: PSYC 111.

PSYC 310. Behavior Modification. 3 Credits.

Introduction to basic principles and techniques of behavior modification. Emphasis is placed on the use of behavior modification techniques in self-management, education, child rearing, and helping professions. Cross-referenced with SPED 310

Typically Offered: Spring.

Prerequisite: PSYC 111.

Same As: PSYC 310/SPED 310.

PSYC 330. Understanding Statistics. 3 Credits.

This course is an introduction to descriptive, inferential, and correlated statistics. Emphasis is placed on determining when to use each type of test and how to read and discuss statistical analyses. Cross-referenced with COMM 330, POLS 330, and SOC 330.

Typically Offered: Fall.

Prerequisite: MATH 103 or MATH 104.

Same As: COMM/POLS/PSYC/SOC 330.

PSYC 340. Research Methods. 3 Credits.

An exploration of social research processes and analyses. Fundamentals and specific application of the most common data gathering and measurement techniques are addressed.

Typically Offered: Spring.

Prerequisites: ENGL 110, ENGL 120 or ENGL 125, and COMM 330/POLS 330/PSYC 330/SOC 330.

Same As: COMM/POLS/PSYC/SOC 340.

PSYC 350. Social Psychology. 3 Credits.

A study of the effects of social influence and physical environment on human behavior. Examines how people affect each other and how they are affected by social situations. Among the topics covered are social cognition, attitudes, social interaction, attraction, aggression, prejudice, conformity, and gender roles.

Typically Offered: Fall.

Prerequisite: PSYC 111.

Same As: PSYC 350/SOC 350.

PSYC 360. Group Dynamics. 3 Credits.

An examination of human interaction within groups. Small group processes are practiced. Theories of interpersonal relations, team building, leadership, and conflict management are discussed. Students will observe group dynamics by interacting within small groups and by developing group presentations. Cross-referenced with COMM 360 and SOC 360.

Typically Offered: Fall.

Same As: COMM 360/PSYC 360/SOC 360.

PSYC 370. Abnormal Psychology. 3 Credits.

A survey of the classification, symptoms, etiology, and treatment of psychological disorders.

Typically Offered: Fall.

Prerequisite: PSYC 111.

PSYC 380. Human Sexuality. 3 Credits.

A study of the role and meaning of human sexuality in relations to oneself as well as in all interrelationships with other people. Course work includes a study of anatomy and physiology of the reproductive system, human sexual response, process and role of identity, sexual value systems, contraception, and the importance of sexuality in preparation for family living. Cross-referenced with BIOL 380.

Typically Offered: Fall, Spring.

Same As: BIOL 380/PSYC 380.

PSYC 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

PSYC 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 4 Credits.

PSYC 450. Personality Theories. 3 Credits.

An examination of major psychological theories related to personality. Special attention is given to the interrelated subparts of personality development, personality dynamics, complex personality processes, and evaluation.

Typically Offered: Spring.

Prerequisite: PSYC 111.

PSYC 470. Counseling Theory and Practice. 3 Credits.

A study of counseling principles and practices in educational, industrial, and community settings. Philosophy, objectives, and organization are stressed.

Typically Offered: Spring.

Prerequisite: PSYC 111.

PSYC 480. Health Psychology. 3 Credits.

This course is an exploration of the subdiscipline of health psychology. We will explore topics of health including causal and mediating psychosocial factors, diseases and disorders, as well as social determinants of health (e.g., health disparities influenced by race, sex, socioeconomic status, etc.).

Typically Offered: Fall.

Prerequisite: PSYC 111.

PSYC 491. Capstone. 1 Credit.

This course provides a culminating experience for students majoring in Psychology or Human Services. The course will include an applied learning activity which draws upon concepts from multiple courses in the majors.

Typically Offered: Fall.

Same As: PSYC 491/SOC 491.

Grading: S/U only.

PSYC 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

PSYC 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

PSYC 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

STEM Educ (STEM ED)

Courses

STEM ED 160. Integrative Physical Science for Elementary. 4 Credits.

A conceptual physical science course intended for elementary education majors. Topics include the study of the structure and properties of matter, interactions and energy, interactions and forces, interactions and systems (electricity and magnetism), and the study of waves (including light and sound). This course includes exploration of PLTW Launch Modules.

Typically Offered: Fall, Spring, Summer.

STEM ED 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

STEM ED 306. Inventions and Innovations - Technology Education for Children. 3 Credits.

An elementary course focused on technology and society, invention and innovation, engineering for children, evaluating available integrated STEM curricula, as well as exploring methods for the implementation of integrated STEM activities in the elementary classroom. The course includes a lab component.

Typically Offered: Fall.

STEM ED 310. Design, Technology and Engineering for Children. 3 Credits.

An elementary course focused on technology, design, and the engineering process, as well as methods integrating STEM activities into thematic units in the elementary school curriculum. The course includes a lab component.

Typically Offered: Summer.

STEM ED 331. Innovation and Engineering Design. 3 Credits.

Prepares prospective teachers to teach a middle school course using engineering design concepts and activities to understand how criteria, constraints, and processes affect designs. Activities include brainstorming, visualizing, modeling, constructing, testing and refining designs. The course includes a lab component.

Typically Offered: Summer.

STEM ED 342. Data Collection and Analysis. 3 Credits.

A course focused on hands-on transdisciplinary labs using project-based engineering design activities that focus on the collection and analysis of lab data to solve real world problems. Activities include data graphing, charting, tables, sketching, modeling, constructing, testing, and refining designs.

Typically Offered: Summer.

STEM ED 355. STEM Curriculum and Methods for Elementary. 3 Credits.

Foundational course for fully implementing effective elementary-level STEM (Science, Technology, Engineering, and Mathematics) Education. Reviews and explores current trends in STEM Education using PLTW Launch Modules and other standards-based education curricula. Students also examine interdisciplinary methods for successfully engaging students in Reading, Science, Math, Art, and other elementary subjects.

Typically Offered: Spring.

STEM ED 411. STEM Curriculum and Methods. 3 Credits.

This course is designed to prepare students to teach courses in technology education, technology and engineering education and technology and engineering programs in middle, junior high, and high schools. Students will learn curriculum development, methods, and techniques to courses that utilize the classroom, lab, and shop.

Typically Offered: Fall.

STEM ED 431. Design for Engineering. 3 Credits.

This course is designed to provide prospective teachers with experience in Project-Based Learning (PBL) using the Engineering Design Process (EDP). Students will examine engineering practices related to analytical and physical modelling to design, build, modify, test, and demonstrate in a virtual and real-world environment. Students are introduced to virtual simulations, 2D and 3D Modeling Techniques, and other elements of design. At course conclusion students will be familiar with the iterative process engineers use to create design solutions. This course includes embedded lab activities to support learning and application.

Typically Offered: Fall.

STEM ED 450. Engineering the Future Using Computational Thinking. 3 Credits.

This course is designed to provide an examination of the use of computational thinking in technology, or how problems and their solutions can be formulated to be effectively executed by a computing platform. Students develop the skills to break problems into smaller parts, identify patterns, focus on the relevant details of a problem, and think of solutions to problems in an algorithmic fashion. Students practice these skills through programming challenges in the Python programming language.

Typically Offered: Spring.

STEM ED 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Sociology (SOC)

Courses

SOC 110. Introduction to Sociology. 3 Credits.

The study of human behavior in social groups, institutions, and organization, including the impact of human interactions and social problems on human behavior.

Typically Offered: Fall, Spring.

SOC 111. Introduction to Anthropology. 3 Credits.

An introductory course on human evolution and the cross-cultural development of social institutions.

Typically Offered: Fall.

SOC 130. Introduction to Human Services. 3 Credits.

An introduction to the human service professions, including the various roles, functions, values, and personal attributes needed to function effectively in these careers. This course covers the history, practice setting, career opportunities, and philosophical concepts related to working with vulnerable populations.

Typically Offered: Spring.

SOC 194. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SOC 220. The Family. 3 Credits.

A study of the family as an important societal institution. The course takes a historical and sociological perspective, examining the impact of gender, social class, and race/ethnicity on families in the U.S.

Typically Offered: Spring.

SOC 251. Introduction to Gerontology. 3 Credits.

The analysis of aging within the context of the life cycle with emphasis on the major concerns of the elderly and social policies that affect the lives of the elderly.

Typically Offered: Fall, even years.

SOC 270. Native American Studies. 3 Credits.

A multicultural study of Native American cultural and historical development. Topics addressed include interactions with European and Anglo-American settlers and government, agency and the concept of the Middle Ground, U.S. federal Indian policy, cultural resurgence, and North Dakota Indian tribes. Cross-referenced with HIST 270.

Typically Offered: Fall, even years.

Same As: HIST 270/SOC 270.

SOC 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SOC 300. Race, Ethnic, and Gender Relations. 3 Credits.

The social-historical study of racial, ethnic, and gender relations. Cross-referenced as HIST 300.

Typically Offered: Fall, odd years.

Prerequisite: SOC 110.

Same As: HIST 300/SOC 300.

SOC 320. Case Management. 3 Credits.

A generalist overview of the case management process, which involves assessment, implementation, coordination, monitoring, and evaluation. Students will develop helping skills and intercultural competence, as well as knowledge related to specific aspects of case management, including intake interviews, documentation, making referrals, and case review.

Typically Offered: Fall.

Prerequisite: SOC 130.

SOC 330. Understanding Statistics. 3 Credits.

This course is an introduction to descriptive, inferential, and correlated statistics. Emphasis is placed on determining when to use each type of test and how to read and discuss statistical analyses. Cross-referenced with COMM 330, POLS 330, and PSYC 330.

Typically Offered: Fall.

Prerequisite: MATH 103 or MATH 104.

Same As: COMM/POLS/PSYC/SOC 330.

SOC 340. Research Methods. 3 Credits.

An exploration of social research processes and analyses. Fundamentals and specific application of the most common data gathering and measurement techniques are addressed.

Typically Offered: Spring.

Prerequisites: ENGL 110, ENGL 120 or ENGL 125, and COMM 330/POLS 330/PSYC 330/SOC 330.

Same As: COMM/POLS/PSYC/SOC 340.

SOC 350. Social Psychology. 3 Credits.

A study of the effects of social influence and physical environment on human behavior. Examines how people affect each other and how they are affected by social situations. Among the topics covered are social cognition, attitudes, social interaction, attraction, aggression, prejudice, conformity, and gender roles.

Typically Offered: Fall.

Prerequisite: PSYC 111.

Same As: PSYC 350/SOC 350.

SOC 354. Health, Illness, and Disability. 3 Credits.

A study of the ways in which society influences our definitions and understanding of health, illness, and disability. Topics include health care delivery, utilization, and system structure; the relationship between health professionals and patients; inequality in health care and treatment; social constructions of wellness, illness, healing, and disability; and the meaning and experience of illness and disability.

Typically Offered: Spring, even years.

Prerequisite: SOC 110.

SOC 360. Group Dynamics. 3 Credits.

An examination of human interaction within groups. Small group processes are practiced. Theories of interpersonal relations, team building, leadership, and conflict management are discussed. Students will observe group dynamics by interacting within small groups and by developing group presentations. Cross-referenced as COMM 360 and PSYC 360.

Typically Offered: Fall.

Same As: COMM 360/PSYC 360/SOC 360.

SOC 390. Criminology and Delinquency. 3 Credits.

A study of the causation, detection, prevention, and correction of criminal and delinquent behavior.

Typically Offered: Spring, odd years.

Prerequisite: SOC 110.

Same As: CJ 390/SOC 390.

SOC 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SOC 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SOC 422. Social Science Theory. 3 Credits.

A focus on sociological and social psychological theories and conceptual frameworks. Both classic and contemporary theories and conceptual frameworks are discussed and explored. Examples of theoretical frameworks discussed include functionalism, conflict theory, symbolic interaction and feminist theories. The course should be taken in junior or senior year.

Typically Offered: Fall.

Prerequisite: SOC 110.

SOC 441. Death and Dying. 3 Credits.

A multidisciplinary study of historical and contemporary perspectives on death and dying. Topics include individual and societal attitudes towards death, dying, and end-of-life issues; cultural differences and customs; professions and industries associated with death and dying; bereavement and grief; ethics and end-of-life concerns; and portrayals of death and dying in popular culture.

Typically Offered: Spring, odd years.

Prerequisite: SOC 110.

SOC 491. Capstone. 1 Credit.

This course provides a culminating experience for students majoring in Psychology or Human Services. The course will include an applied learning activity which draws upon concepts from multiple courses in the majors.

Typically Offered: Fall.

Same As: PSYC 491/SOC 491.

Grading: S/U only.

SOC 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SOC 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

SOC 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Software Engineering (SE)

Courses

SE 110. Discovering Computing. 3 Credits.

This course will provide an overview of topics ranging from history of computing, problem solving, algorithmic thinking, and concepts behind software development. Students will use graphical programming tools to compute, investigate and implement solutions. This should be suitable for students who want to learn about computing concepts.

Typically Offered: Fall.

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SE 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SE 201. Introduction to Software Engineering. 3 Credits.

An introduction to principles of software engineering concepts including lifecycle models, requirements, design, implementation, testing, documentation and the related tools and techniques.

Typically Offered: Fall.

SE 211. Software Construction. 3 Credits.

An introduction to low-level design issues, including formal approaches, basics of formal languages, overview of principles of programming languages, criteria for selecting languages and platforms, tools for automating design and construction, and concurrency.

Typically Offered: Spring.

Prerequisite: SE 201.

SE 212. Software Engineering Approach to Human Computer Interaction. 3 Credits.

Overview of a wide variety of topics relating to designing and evaluating user interfaces, as well as psychological principles of human-computer interaction.

Typically Offered: Spring.

SE 242. Data Structures. 3 Credits.

The study of abstract data types (ADTs) and alternatives for implementation of lists, arrays, sets, trees, and graphs. The course explores dynamic and static data structures; time and space analysis of algorithms for initializing; and accessing, searching, sorting and traveling. Cross referenced with CSCI 242.

Typically Offered: Spring.

Prerequisite: CSCI 161.

Same As: CSCI 242/SE 242.

SE 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SE 311. Software Design and Architecture. 3 Credits.

An in-depth coverage of advanced software design, particularly aspects relating to distributed systems and software architecture.

Typically Offered: Fall.

Prerequisite: SE 211.

SE 321. Software Quality Assurance and Testing. 3 Credits.

A broad coverage of software quality and testing to include quality assurance, inspections and reviews, software validation, and testing techniques.

Typically Offered: Spring, odd years.

Prerequisite: SE 201.

SE 331. Customer Relationship Management Software Development. 3 Credits.

Instruction in programming languages used in Customer Relationship Management (CRM) software. Topics include logic and process automation, user interfaces, testing, debugging, and deployment in a CRM software package such as Salesforce or equivalent software.

Typically Offered: Fall.

Prerequisite: SE 110 or CSCI 127 or CSCI 160.

SE 370. Computer Organization & Systems. 3 Credits.

An examination of the fundamentals of computer organization and operating system concepts. Cross referenced with CSCI 370.

Typically Offered: Fall, even years.

Prerequisite: CSCI 160.

Same As: CSCI 370/SE 370.

SE 376. Embedded Systems. 3 Credits.

A study of micro-controller hardware and software, with an emphasis on interfacing the micro-controller with external electronic devices such as transceivers, sensors, and actuators for communications and control within an embedded system.

Typically Offered: Spring.

Same As: PHYS 376/SE 376.

SE 379. Social Implications of Computers. 3 Credits.

An examination of social, legal, philosophical, and ethical implications of computing in society and obligations as professionals in software engineering related fields.

Typically Offered: Spring, even years.

SE 380. Systems Analysis and Design. 3 Credits.

A practical approach to systems analysis and design using a blend of traditional development methods and current technologies with a focus on gathering requirements. Cross referenced with CIS 380.

Typically Offered: Fall.

SE 381. Project Management. 3 Credits.

An investigation of the project management techniques and appropriate software used to effectively manage projects. This course covers the knowledge areas and other topics as defined by the Project Management Body of Knowledge (PMBOK). Cross-referenced with CIS 381 and MGMT 381.

Typically Offered: Spring.

SE 385. Database Theory/Design. 3 Credits.

An introduction to relational database concepts, theory, design and management.

Typically Offered: Fall.

SE 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SE 480. Capstone. 3 Credits.

A capstone course that provides students, working in groups, with a significant project experience in which they can integrate much of the material they have learned in their program, including matters relating to requirements, design, human factors, professionalism, and project management.

Typically Offered: Spring.

Prerequisite: Senior Standing.

SE 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: Not Specified.

Repeatable: Up to 12 Credits.

SE 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

Spanish (SPAN)

Courses

SPAN 101. 1st Year Spanish I. 3 Credits.

A study of grammar, speaking, reading, and writing in Spanish for students who have had no previous knowledge of the language.

Typically Offered: Fall.

SPAN 102. 1st Year Spanish II. 3 Credits.

A study of grammar, speaking, reading, and writing in Spanish for students who have basic knowledge of the present tense and beginning vocabulary.

Typically Offered: Spring.

Prerequisite: SPAN 101.

SPAN 194. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SPAN 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SPAN 201. 2nd Year Spanish I. 3 Credits.

A continuation of SPAN 101 and 102 with further development of reading skills to increase vocabulary. The course includes selected readings and conversation in Spanish and an introduction to the literature of Spain and Latin America.

Typically Offered: Fall.

Prerequisite: SPAN 102.

SPAN 202. 2nd Year Spanish II. 3 Credits.

A continuation of SPAN 201 with further development of reading skills to increase vocabulary. The course includes selected readings and conversation in Spanish and an introduction to the literature of Spain and Latin America.

Typically Offered: Spring.

Prerequisite: SPAN 201.

SPAN 215. Spanish Conversation. 3 Credits.

An opportunity for skilled development in speaking and listening to the language.

Typically Offered: Spring.

Prerequisite: SPAN 202.

SPAN 220. Introduction to Hispanic Literature & Culture. 3 Credits.

The reading and discussion of outstanding literary works of Spanish and Spanish American literature as well as Hispanic culture.

Typically Offered: Fall, odd years.

Prerequisite: SPAN 202.

SPAN 251. Spanish Grammar and Composition. 3 Credits.

A course designed to further develop knowledge of the Spanish language in writing. The course will prepare students to teach Spanish and/or improve their use of written and spoken Spanish.

Typically Offered: Fall, even years.

Prerequisite: SPAN 202.

SPAN 294. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SPAN 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SPAN 350. Hispanic Culture and Civilization. 3 Credits.

A study of various aspects of Hispanic culture and civilization through the centuries.

Typically Offered: Fall, even years.

Prerequisite: SPAN 202.

SPAN 391. Global Seminar. 2 Credits.

Interdisciplinary examination of a specific language, culture, and its current local/global issues. In-depth experiences in the country of student's choice. Required before a study-abroad program travel.

Typically Offered: On sufficient demand.

SPAN 393. Practicum in Teaching Spanish. 1-3 Credits.

An opportunity for firsthand experience in teaching Spanish. By Arrangement.

Typically Offered: On sufficient demand.

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SPAN 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SPAN 396. Travel to a Spanish Speaking Country. 2 Credits.

An opportunity to travel to a Spanish-speaking country in order to improve the understanding of language and culture.

Typically Offered: On sufficient demand.

Prerequisite: SPAN 202 with a grade of C or better and SPAN 391.

Repeatable: Up to 4 Credits.

SPAN 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SPAN 415. Advanced Spanish Conversation. 3 Credits.

An opportunity for advanced skill development in speaking and listening to the language.

Typically Offered: Spring, even years.

Prerequisite: SPAN 202.

SPAN 420. Readings in Hispanic Literature. 3 Credits.

A study of selected literary texts in the Spanish language.

Typically Offered: Fall, odd years.

Prerequisite: SPAN 220.

SPAN 490. Methods of Teaching Spanish. 3 Credits.

A study of the curriculum, methods, materials, and trends in the teaching of Spanish. SPAN 490 must be taken prior to student teaching.

Typically Offered: Fall, odd years.

Prerequisite: Admitted to Teacher Education.

SPAN 491. Senior Portfolio. 1 Credit.

A course to assist the student in developing the digital portfolio used to assess the completion of the requirements for the VCSU Abilities and Skills. The course addresses both technical application and content.

Typically Offered: On sufficient demand.

Grading: S/U only.

SPAN 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

SPAN 496. Travel to a Spanish Speaking Country. 1-4 Credits.

An opportunity to travel to a Spanish-speaking country in order to improve the understanding of language and culture.

Typically Offered: On sufficient demand.

Repeatable: Up to 4 Credits.

SPAN 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: On sufficient demand.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

SPAN 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Special Education (SPED)

Courses

SPED 310. Behavior Modification. 3 Credits.

Introduction to basic principles and techniques of behavior modification. Emphasis is placed on the use of behavior modification techniques in self-management, education, child rearing, and helping professions. Cross-referenced with PSYC 310

Typically Offered: Spring.

Prerequisite: PSYC 111.

Same As: PSYC 310/SPED 310.

SPED 333. Assessment of Students with Disabilities. 3 Credits.

A course in assessment for those who will be required to understand and use assessment data for students in all educational settings including students with disabilities. The course covers basic assessment concepts and evaluation of standardized tests and their use in decision making in regular and special education settings.

Typically Offered: Fall, Spring.

Prerequisite: SPED 340.

SPED 340. Learning Disabilities, Emotional Disorders, and Intellectual Disabilities. 3 Credits.

A study of psychological and educational research findings pertaining to the child with a learning disability, emotional disturbance, and intellectual disabilities. Emphasis is given to current research and a schools responsibility to provide for a free and appropriate education in least restrictive environment. The course will introduce legal requirements, history and evolution of laws impacting the field of special education, including the Individuals with Disabilities Education (IDEA) Improvement Act of 2004 and No Child Left Behind (NCLB) Act related to special education services.

Typically Offered: Fall, Spring, Summer.

Prerequisite: EDUC 240.

SPED 380. Collaboration, Consultation, and Transition Planning for Students with Disabilities. 3 Credits.

This introductory course designed to prepare special education personnel, classroom teachers, paraeducators and other school district staff in collaborative school consultation and teamwork in serving the educational needs of students at all levels, including the transition planning needs of secondary students.

Typically Offered: Fall, Summer.

Prerequisites: Admitted to Teacher Education and SPED 340.

SPED 382. Methods and Materials of SLD. 2 Credits.

Methods and materials of SLD is designed to prepare students with information to help them make appropriate decisions concerning students with learning problems. The course is designed to ensure that students (especially students with disabilities) receive the instruction and support (including assistive technology) they need to be successful. Along with learning to establish responsive learning environments (RTI), students will learn to promote social-emotional behaviors and to teach academic skills adapted to the students' unique needs.

Typically Offered: Fall.

Prerequisites: Admitted to Teacher Education and SPED 340.

SPED 383. Methods and Materials of ED. 2 Credits.

Methods and materials of ED is designed to prepare students with information to help them make appropriate decisions concerning students with emotional or behavioral problems. The course is designed to ensure that students (especially students with disabilities) receive the instruction and support (including assistive technology) they need to be successful. Along with learning to establish responsive learning environments (RTI), students will learn to promote social-emotional behaviors.

Typically Offered: Fall, Spring.

Prerequisites: Admitted to Teacher Education and SPED 340.

SPED 384. Methods and Materials of ID. 2 Credits.

Methods and materials ID is designed to prepare students with information to help them make appropriate decisions concerning students with cognitive impairments and/or developmental delays. The course is designed to ensure that students (especially students with disabilities) receive the instruction and support (including assistive technology) they need to be successful. Along with learning to establish responsive learning environments (RTI), students will learn to promote social, emotional and behaviors and to teach academic skills adapted to the students unique needs.

Typically Offered: Spring.

Prerequisites: Admitted to Teacher Education and EDUC 240; .

Prerequisite or Corequisite: SPED 340.

SPED 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 4 Credits.

SPED 486. Special Education Student Teaching in SLD, ED, ID, and Assessment. 5 Credits.

SPED 486 Student Teaching (5) Students will spend six weeks teaching students with SLD, ED, and ID disabilities. This course is designed to provide students with a concentrated applied experience teaching in K-12 special education settings. The students will experience the responsibility of a Special Education Strategist under the direction of a university supervisor and a cooperating teacher.

Typically Offered: Fall, Spring.

Prerequisite: Admission to Teacher Education and Student Teaching. Completion of SPED 333, SPED 340, SPED 380, SPED 382, SPED 383, SPED 384, EDUC 430, PSYC 310.

Grading: S/U only.

Technology (TECH)

Courses

TECH 161. Technology, Engineering, and Design. 4 Credits.

An introductory course that examines the engineering design process and its use to solve technological challenges. The course will cover the nature of technology, technology systems, and the history, evolution, and characteristics of technology, as well as learning activities to apply technology, science, and mathematics concepts.

Typically Offered: Fall, Spring.

TECH 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

TECH 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

TECH 300. 3D Modeling and Design. 3 Credits.

An introduction to the principles of graphic design and 3D parametric modeling in the creation and visualization of engineering designs and drawings. Students will be able to illustrate parametric 3D part modeling, assembly, rendering, and production of working drawings from design ideas. The course includes a lab component.

Typically Offered: Fall.

TECH 325. Exploring Technology Through Engineering by Design (EbD). 3 Credits.

This is a course designed to provide prospective teachers with experience in Middle and High School Inquiry and Project Based Learning using ITEEAs Engineering by Design (EbD) Curriculum. Students will experience engineering design challenges selected from several EbD courses to promote the development of critical thinking and problem-solving in the classroom and lab.

Typically Offered: Fall.

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TECH 330. Exploring Technology Through PLTW. 3 Credits.

This is a course designed to provide prospective teachers with experience in Activity and Problem Based (APBL) Learning from class curriculums offered through the Project Lead the Way Gateway program. This is a middle school base curriculum where students will explore technology and engineering through STEM activities and projects selected from several of the Gateway curriculum offerings; many of which relate to the design process to encourage development of critical thinking and problem-solving abilities.

Typically Offered: Spring.

TECH 356. Safety and Management in Technology Education. 3 Credits.

An examination of safety issues utilizing a systems-based team approach to ensure a safe technical education classrooms and laboratory environments that now also include fab labs, makerspaces, and STEM labs. This course covers essential discussions of inherent hazards, machine tool operations, as well as laboratory/fabrication systems and management issues. By completing all elements in this course prospective teachers will produce materials to establish a well-documented safety program for the various teaching environments that a technology education teacher may experience.

Typically Offered: Spring.

TECH 371. Technology Systems. 3 Credits.

A focus on content and processes associated with technological systems. Students apply systems thinking, reverse engineering, and other related concepts in projects to better understand systems design, maintenance, and troubleshooting. The course includes a lab component.

Typically Offered: Spring.

TECH 391. Foundations of Technology. 3 Credits.

An exploration of the foundations of technology using the design process. Students learn to innovate and engineer practical solutions. The course includes a lab component.

Typically Offered: Spring.

TECH 394. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

TECH 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

TECH 416. Innovations in Energy and Power Technologies. 3 Credits.

A foundation of key concepts in energy, power, and electronics. Students develop an understanding of the science and application of energy in technology; the evolution of the human understanding of energy; power plant technologies; sustainability; and analog and digital circuit design. This course includes embedded lab activities to support learning and application.

Typically Offered: Fall.

TECH 421. Computer Science, Programming, and Robotics. 3 Credits.

An introduction to basic computer systems, programming, and logic. Students will be challenged with design activities where they must read and create basic coding operations to complete a task or solve a problem in a robotic setting.

Typically Offered: Spring.

TECH 456. Intelligent Machines. 3 Credits.

A focus on practical interfacing of computers and/or peripheral devices to create solutions to design challenges. Students will be asked to create device and machine (artificial) intelligence through use of coding, sensors, and an understanding of digital and analog controls. The course includes a lab component.

Typically Offered: On sufficient demand.

TECH 478. Technology, Society, and Sustainability. 3 Credits.

This course is designed to provide the student with conceptual knowledge and know-how to better assess the impact of technology on society and the environment. It will also familiarize students with the advancement of environment technology and its potential contribution to a more sustainable future. The course includes a lab component.

Typically Offered: Fall.

TECH 491. Senior Portfolio. 1 Credit.

A course to assist the student in developing the digital portfolio used to assess the completion of the program outcomes. The course addresses both technical application and content and allows the student to demonstrate program outcome competencies.

Typically Offered: Fall, Spring, Summer.

Grading: S/U only.

TECH 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: Fall, Spring, Summer.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

TECH 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Theatre (THEA)

Courses

THEA 110. Introduction to Theatre Arts. 3 Credits.

An introduction to the principles and history of the theatre arts, including play analysis, acting, design, and directing.

Typically Offered: On sufficient demand.

THEA 194. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

THEA 201. Theatre Practicum. 1-3 Credits.

An opportunity for students to gain practical experience through participation in theatre productions. Option A includes technical theatre practice. Option B includes performance in a dramatic production before an audience. The number of credit hours is granted at the discretion of the instructor.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

THEA 299. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

THEA 301. Theatre Workshop. 1-3 Credits.

An advanced workshop in which students complete significant assignments in theatre production, including acting, directing, stage management, and design. The number of credit hours is granted at the discretion of the instructor. Previous experience or course work in theatre production is required.

Typically Offered: On sufficient demand.

Prerequisite: Junior Standing or Senior Standing.

Repeatable: Up to 9 Credits.

THEA 399. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

THEA 494. Undergraduate Research. 3-12 Credits.

The course is designed to integrate subject matter from major coursework and other disciplines into a project that leads to the creation of an original body of knowledge.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

THEA 497. Internship. 3-12 Credits.

An opportunity for students to apply classroom learning to an on-the-job work experience. Internship must be related to the student's major or minor course of study and may be in any geographic location. Credit is granted in the range of three to twelve hours per semester and may be repeated up to a maximum of 12 credit hours. Application and approval through Career Services.

Typically Offered: On sufficient demand.

Prerequisites: Junior Standing or Senior Standing and cum GPA of 2.50 or higher.

Grading: S/U only.

Repeatable: Up to 12 Credits.

THEA 499. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

University Studies (UNIV)

Courses

UNIV 110. Study Skills. 1 Credit.

Teach/refresh concepts that students can implement in their course work to improve academic success. Upon successful completion of the course, each student will have improved his/her ability to maximize success in college course work & reflection procedures through utilization & demonstration of time management, goal setting, and learning styles along assignment completion through BB content and email.

Typically Offered: Fall, Spring.

UNIV 120. Career Exploration. 1 Credit.

This course encourages students to learn about themselves and their interests. Students will discover work fields, jobs, and college majors that interest them enough to want to learn more about them. Students will connect and network with people who work in those fields to answer questions, explain what the job is really like, and guide the student down the right path to pursue that career. Students will build their self-confidence to make plans about their major and career for the future.

Typically Offered: On sufficient demand.

UNIV 150. Viking Voyage. 1 Credit.

A freshman experience that begins during opening weekend. Topics include group service learning projects, team building, campus services, adjusting to college life, academic advising, and academic policies.

Typically Offered: Fall.

UNIV 180. Prior Learning Assessment for Credit. 1 Credit.

An opportunity for the adult learner to assemble knowledge from experiences such as work, leisure, and independent study into a portfolio for faculty evaluation of potential university academic credits.

Typically Offered: Fall, Spring, Summer.

Grading: S/U only.

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UNIV 194. Independent Study. 1-3 Credits.

Directed reading, study, and/or activities in selected topics.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

UNIV 199. Special Topics. 1-4 Credits.

Courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

UNIV 250. Learning to Live Mentor. 0-1 Credits.

An opportunity for upper level students to act as mentors in the Learning to Live, Living to Learn program.

Typically Offered: Fall.

Repeatable: Up to 4 Credits.

UNIV 481. Continuous Enrollment. 0-1 Credits.

An option for undergraduate students who must remain continuously enrolled during the undergraduate studies process.

Typically Offered: Fall, Spring, Summer.

Grading: S/U only.

Repeatable: Up to 6 Credits.

UNIV 491. University Studies Capstone. 2 Credits.

Assessment of the impact of educational experiences culminating in a service project, thesis, or internship which will prepare students for their desired career. Topics include critical analysis and research, development of memoir/narratives, project managements, creation of culminating project, development of career goals.

Typically Offered: On sufficient demand.

Faculty and Administration

Faculty

A

Aberle, Amber Ussatis (2013) Assistant Professor of Education; B.S., M.Ed. Valley City State University, Ed.D. Capella University

Abshire, Michelle (2021) Assistant Professor of Science; B.S., Ph.D. Oklahoma State University

Amah, Peter (2022) Assistant Professor of Business; Ph.D. Gonzaga University

Anderson, Bob (2005) Professor of Science; B.S., Ph.D. South Dakota State University

Anderson, Mary Beth (2022) Assistant Professor of Education; B.S., M.S. University of Minnesota

B

Bass, Dave (1981) Assistant Professor of Education; B.S. Valley City State University, M.Ed. University of North Dakota

Baughman, Kiersten (2019) Associate Professor of Social Science; B.S. Moorhead State University, M.S., Ph.D. University of Oklahoma

Bennett Zaun, Kathleen (2009) New Teacher Support Coordinator; Instructor of Education; B.A. San Jose State University, M.A. National University

Betancur Echeverry, Luis (2022) Instructor of Language and Literature; B.A. Pontificia Bolivariana University, Columbia, B.S.Ed. Valley City State University, M.A. (EAFIT) University, Columbia

Bhardwaj, Bhavana (2022) Assistant Professor of Computer Systems and Software Engineering; B.S. University of Delhi, India, M.S. Sikkim Manipal University, India, Ph.D. North Dakota State University

Boe, James (2000) Dean for Graduate Studies and Extended Learning; Professor of Graduate; B.S. Valley City State University, M.Ed. University of North Dakota, Ph.D. North Dakota State University

Bratrud, Sharon (2014) Athletic Training Curriculum Program Clinical Coordinator; Associate Professor of Kinesiology and Human Performance; B.S. Minnesota State University Moorhead, M.S. University of North Dakota; AT, LAT

Bremer, Abigail (2019) Assistant Professor of Education; B.S., M.S. Michigan State University, Ed.D. Minnesota State University - Moorhead

Brister, J. Gregory (2011) Associate Professor of Language and Literature; B.A. Hamline University, M.A. St. Cloud State University, Ph.D. University of Kansas

Brown, Gratia (2019) Assistant Professor of Art; B.A. University of Pittsburgh, M.F.A. Edinboro University of Pennsylvania

Burr, Diane (1981) Professor of Kinesiology and Human Performance; B.S., M.S. Northern State College; AT-Ret

C

Clauson, Jacob (2021) Assistant Professor of Social Science; B.A., B.S. Minnesota State University-Moorhead, M.S. University of Oregon

Cunningham, Steven (2022) Assistant Professor of Music; B.M. University of North Texas, M.M. Oklahoma State University, D.M.A. University of Minnesota

D

DeLorme, Andre (1996) Professor of Science; B.A. Valley City State University, M.A. Bemidji State University, Ph.D. University of Minnesota

DeMuth, David (2012) Professor of Science; B.S. University of Louisville, M.S. University of Louisville, Ph.D. University of Minnesota

Dockter, Jason (2018) Instructor of Technology; B.S. Minnesota State University - Moorhead, M.Ed. Valley City State University

Du, Yang (2019) Assistant Professor of Computer Systems and Software Engineering; B.E.E., Ph.D. Beihang University

Dutton, Anthony (2009) Professor of Social Science; B.S.Ed. Valley City State University, M.A. University of North Dakota, Ph.D. North Dakota State University

E

Ephrim, Ekow (2020) Assistant Professor of Art; B.A. University of Education Winneba, Ghana; M.F.A. Indiana University Bloomington

F

Fenster, Emily (2013) Associate Professor of Social Science; B.A. University of North Dakota. M.G.S., Ph.D. Miami University

G

Galt, Nicholas (2016) Associate Professor of Science; B.S. North Dakota State University, Ph.D. University of Alabama

H

Hanson, David (2017) Assistant Professor of Education; B.S. Valley City State University, M.S. Tri-College University

Heide, Jerrold (2018) Assistant Professor of Music; B.M. Dickinson State University, M.M. University of South Dakota

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Hunt, Rachelle (2007) Director for Athletic Training Program; Associate Professor of Kinesiology and Human Performance; B.S. North Dakota State University, M.Ed. Valley City State University, Ed.D. Minnesota State University; AT, LAT

J

Jimenez, Kenneth (2017) Assistant Professor of Music; B.M. University of Wyoming, M.M. University of Minnesota Duluth, D.M.A. North Dakota State University

Johnson, Oswald (2022) Assistant Professor; B.M. Wheaton College, M.M. Ohio University

Jorgensen, Alexander (2020) Assistant Professor of Social Science; B.A. Concordia College; M.A. University of Kansas; Ph.D. University of Kansas

K

Katuin, Tammy (2018) Assistant Professor of Business; A.S. Reedley College, B.A. Fresno Pacific University, M.B.A. University of North Dakota

King, Steven (2005) Professor of Social Science; B.A. Oak Hills Christian School, M.A. St. Cloud State University, D.A. University of North Dakota

Klein, Joan (2016) Assistant Professor of Education; B.S. Minnesota State University - Moorhead, M.S. Northern State University

Klingenberg, Erin D. (1990) Vice President for Student Affairs; Assistant Professor of Social Science; B.A. Jamestown College, M.Ed. University of North Dakota, M.Ed., Ph.D. North Dakota State University; Licensed Professional Clinical Counselor, National Certified Counselor

Knapp, Travis (2022) Assistant Professor of Language and Literature; B.A. Oklahoma State University, M.A., Ph. D. University of Missouri

Knodle, Kim (2010) Director for Field Experiences; Instructor of Education; B.S. Mayville State University, M.Ed. North Dakota State University

Kopp, Marcus (2022) Assistant Professor of Kinesiology and Human Performance; B.S. North Dakota State University, M.S. University of Mary

Kosel, Trent (2020) Assistant Professor of Mathematics; B.S. Valley City State University; M.A. Minot State University; M.Ed. North Dakota State University

Kruger, Lee (2001) Associate Professor of Language and Literature; B.A. Wartburg College, M.A. University of Nebraska-Omaha

Krumwiede, Elisa (2019) Instructor of Technology; B.S. North Dakota State University, B.S., M.Ed. Valley City State University

Kvilvang, Heather (2002) Assistant Professor of Education; B.S. in Ed. Valley City State University, M.S. Minnesota State University Moorhead, Ph.D. North Dakota State University

M

Ma, Yongchao (2020) Assistant Professor of Computer Systems and Software Engineering; B.S. Jilin University; M.S. Dalian University of Technology

Mallory, Dustin (2021) Assistant Professor of Music; B.A. Saginaw Valley State University, M.A. Rutgers The State University of New Jersey

Mannie, Clayton (2020) Assistant Professor of Technology; B.S., M.Ed. Valley City State University

Mari, Kaley (2017) Assistant Professor of Education; B.S., M.S. University of North Dakota

Mattson, Barbara (2022) Assistant Professor of Kinesiology and Human Performance; A.A. Snow College, B.A. Adams State University, M.A. Concordia University

Meyers, Nicholas (2012) Assistant Professor; B.M. Augusta State University, M.M. University of Tennessee, D.M.A. North Dakota State University

Michaelson, Timothy (2018) Instructor of Education; B.S. Dickinson State University, M.S.Ed. Northern State University

Mircsov, Angela (2018) Assistant Professor of Art; B.F.A. Millikin University, M.F.A. Lindenwood University

Mogensen, Christine (2021) Instructor of Kinesiology and Human Performance; B.S.Ed., M.A.Ed. Northern State University

Montgomery, Trista (2022) Assistant Professor of Science; B.A., B.S., M.S. Bemidji State University

Mounts, Taylor (2021) Assistant Professor of Business; B.B.A., M.B.A. Harding University

N

Noteboom, Benjamin (2022) Assistant Professor of Mathematics; B.S., M.S., Ph.D. North Dakota State University

O

Olson, Alan (1990) Professor of Education; B.S. Valley City State University, M.S. Northern State University, Ph.D. University of North Dakota

Owen, Jackie (2009) Learning Center Coordinator Disability Support Specialist; Assistant Professor of Education; B.S. Brigham Young University, M.Ed. Utah State University, M.S. North Dakota State University

P

Peschel, Heather (2015) Instructor of Education; B.S. Valley City State University, M.Ed. University of North Dakota

Pfeifer, Susan (2005) Professor of Computer Systems and Software Engineering; B.A. Jamestown College, M.S. University of St. Thomas; P.M.P., SAP Certified Associate

Pollert, Jaime (2021) Assistant Professor of Education; B.A. Concordia University, M.S. Minnesota State University-Moorhead

R

Reule, Jonna (2008) Associate Professor of Communication Arts; B.A., M.A. North Dakota State University, Ph.D. Southern Illinois University Carbondale

Richman, Harmony (2018) Instructor of Education; B.S., M.Ed. Minnesota State University - Moorhead

Rolf, Kathryn (2021) Assistant Professor of Music; B.A. Concordia University, M.M., D.M.A. North Dakota State University

Ross, Richard (1999) Associate Professor of Business; B.A., B.S. Minot State University, M.S. Tri-College University

Russell, Julee (1995) Professor of Language and Literature; B.S. Bemidji State University, M.A., Ph.D. University of North Dakota

Russi, Jenni Lou (2009) Director of Theatre; Associate Professor of Communication Arts; B.A. Judson University, M.F.A. Kent State University

S

Saxland, Angela (2019) Assistant Professor of Education; B.S.Ed. Valley City State University, M.Ed. Minot State University

Shorma, Jodi (2009) Assistant Professor of Language and Literature; B.A., M.A. University of North Dakota

Shuler, Jessica (2020) Online Music Coordinator; B.A. Clemson University, B.S. Valley City State University

Sundstrom, Teather (2012) Professor of Science; B.S. University of North Dakota, Ph.D. University of Connecticut

T

Thompson, Amber (2022) Assistant Professor of Kinesiology and Human Performance; M.S. The University of Texas Rio Grande Valley

Tyre, Brenda (2013) Associate Professor of Business; B.S. Minnesota State University Moorhead, M.B.A. University of Mary; CPA

V

van Gijssel, Hilde (2002) Professor of Science; M.Ed. Valley City State University, M.S., Ph.D. Leiden University (the Netherlands)

VanHorn, Shannon (1999) Professor of Communication Arts; B.S., M.S., Ph.D. North Dakota State University

W

Wicktor, Emily D. (2022) Associate Professor of Language and Literature; B.A., M.A. St. Cloud State University, Ph.D. University of Kansas

Wiehl, Lindsey (2021) Assistant Professor of Music; B.S. The College of Saint Rose, M.M., D.A. Ball State University

Williams, Casey (2011) Associate Professor of Science; B.S. Northwestern State University, M.S., Ph.D. Texas State University

Wirth, Jamie (2008) Director for Great Plains STEM Education Center; Professor of Mathematics; B.A. University of North Dakota, B.S. Mayville State University, M.A. Minot State University, Ph.D. North Dakota State University

Woehl, Kathryn (2010) Assistant Vice President for Academic Affairs; Professor of Social Science; B.S. North Dakota State University, M.S. St. Cloud State University, M.A, Ph.D. University of North Dakota

Wright, Wesley (2022) Assistant Professor of Business; B.S., MAcc Brigham Young University, M.B.A Florida State University

Z

Zahn, Cindy (2005) Director for Distance Elementary Education; Associate Professor of Education; B.S.Ed. Moorhead State University, M.Ed. University of Wisconsin-River Falls, Ph.D. North Dakota State University

Zerface, Angela (2021) Assistant Professor of Education; B.S. Minnesota State University-Moorhead, B.S.B.A. Valley City State University, M.Ed. North Dakota State University

Administration

A

Anderson, Cory (2020) Executive Director for University Advancement; B.S. Valley City State University

B

Boe, James (2000) Dean for Graduate Studies and Extended Learning; Professor of Graduate; B.S. Valley City State University, M.Ed. University of North Dakota, Ph.D. North Dakota State University

Brooks, Larry (2022) Vice President for Academic Affairs; B.S., M.S. North Dakota State University

Buchholz, Erica (2010) Vice President for Business Affairs; Controller; B.S. Valley City State University

Burgad, Allen (2021) Dean for School of Education; B.S.Ed. Valley City State University, M.Ed. University of Mary, Ed.D. University of North Dakota

E

Edinger, Erin (2021) Director for Residence Life; B.S. Valley City State University, M.S. Minnesota State University

Elston, Kayla (2019) Graphic Designer; A.A.S. Bismarck State College

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G

Gregoryk, Kerry (2017) Director for Institutional Effectiveness and Planning; B.S. University of Minnesota-Moorhead, M.S.I.T. University of Mary, Ph.D. North Dakota State University

H

Heide, Erin (2022) Director for Enrollment Services; B.S. Dickinson State University, M.S. Chadron State College-Nebraska

Hone, Shannon (2021) Registrar; B.S. Valley City State University

Hunt, Rachelle (2007) Director for Athletic Training Program; Associate Professor of Kinesiology and Human Performance; B.S. North Dakota State University, M.Ed. Valley City State University, Ed.D. Minnesota State University; AT, LAT

J

Jenness, Jennifer A. Grothe (2007) Director for Library Services; Associate Professor of Communication Arts; B.A. Concordia College, M.A. Minnesota State University-Mankato, M.S.L. University of North Texas

K

Klingenberg, Erin D. (1990) Vice President for Student Affairs; Assistant Professor of Social Science; B.A. Jamestown College, M.Ed. University of North Dakota, M.Ed., Ph.D. North Dakota State University; Licensed Professional Clinical Counselor, National Certified Counselor

Knodle, Kim (2010) Director for Field Experiences; Instructor of Education; B.S. Mayville State University, M.Ed. North Dakota State University

Kohler, Janna (2022) Director for Career Services; B.S. Valley City State University, M. Ed. University of Jamestown

Kotta, Christopher (CJ) (1996) Director for Network Services and Campus IT Security Officer; B.S. Valley City State University

Kringlie, Erik (1990) Director for Data Centers and Virtualization; B.U.S. Valley City State University

L

LaFave, Alan (2018) President; B.M.E. Northern State College, M.M., D.M.A. Arizona State University

LaFramboise, Kelly (2020) Director for Diversity and Inclusion; B.A., B.S. Loyola University Chicago; M.A., Ph.D. University of Oklahoma

Larson, Jennifer (2013) Director for Human Resources; B.S. Valley City State University

M

McCulloch, Dennis (1994) Director for Athletics Interim; B.S.Ed., M.S. Northern State University-South Dakota

Mills, Bradley (1999) Director for Enterprise Applications; B.A. University of Jamestown

N

Nix, Mike (1996) Director for Technology Service Desk; B.S. Valley City State University

P

Peterson, Kaleen (2011) Director for Student Academic Services/Title IX Coordinator; B.A., J.D. University of North Dakota

Potts, Mark (2013) Director for Sports Information/Assistant Athletic Director; B.S. North Dakota State University

Pritchert, Marcia (1985) Director for Financial Aid; B.S. Valley City State University, M.B.A. North Dakota State University

R

Robinson, Larry (1975) Director for Capital Campaigns; B.S., M.S. North Dakota State University

Rogelstad, Todd (2000) VCSU Bookstore Manager; B.S. University of North Dakota

S

Stricklin, Kari (1999) Director for Student Center and Student Activities; B.S. Valley City State University

T

Taft, Tamara Jo (2021) Director for Marketing Communications; B.A. Wartburg College

Tykwinski, Betty (2018) Director for Health Services/Worksite Wellness Coordinator; B.S.N. Mankato State University, M.S.N. Waldon University

Tykwinski, Joseph (1986) Executive Chief Information Officer; Assistant Professor; B.S., M.S. Mankato State University

W

Wirth, Jamie (2008) Director for Great Plains STEM Education Center; Professor of Mathematics; B.A. University of North Dakota, B.S. Mayville State University, M.A. Minot State University, Ph.D. North Dakota State University

Woehl, Kathryn (2010) Assistant Vice President for Academic Affairs; Professor of Social Science; B.S. North Dakota State University, M.S. St. Cloud State University, M.A., Ph.D. University of North Dakota

Z

Zahn, Cindy (2005) Director for Distance Elementary Education; Associate Professor of Education; B.S.Ed. Moorhead State University, M.Ed. University of Wisconsin-River Falls, Ph.D. North Dakota State University

NDUS Chancellor

Dr. Mark R. Hagerott

North Dakota State Board of Higher Education

The State Board of Higher Education is the policy-setting and advocacy body for the North Dakota University System and the governing body for North Dakota's 11 publicly supported colleges and universities. The SBHE also oversees the NDSU Extension Service and Agricultural Research Stations, Northern Crops Institute, State Forest Service and the Upper Great Plains Transportation Institute.

The SBHE is made up of seven citizen members appointed to four-year terms by the governor and one student appointed by the governor to serve a one-year term. The Council of College Faculties selects the board's non-voting faculty advisor, and the NDUS Staff Senate selects the board's non-voting staff advisor.

Board Members

Casey Ryan, MD, Chair
Tim Mihalick, Vice Chair
Danita Bye
Jeffrey Volk
Nick Hacker
John Warford, DDS.
Kevin Black
Sadie Hanson, Student Member
Michael Linnell, Staff Advisor
Lisa Montplaisir, Ph.D., Faculty Advisor

For more information, visit ndus.edu/state-board-of-higher-education/board-members (<https://ndus.edu/state-board-of-higher-education/board-members>) (<https://ndus.edu/state-board-of-higher-education/board-members-2/>). (<https://ndus.edu/state-board-of-higher-education/board-members/>)

Graduate Catalog



2023-2024 GRADUATE CATALOG



General Information

- Equal Access/Equal Opportunity (p. 440)
- Reservation of Rights (p. 440)
- Disclaimer (p. 441)
- The University (p. 441)
- VCSU Mission and Vision (p. 442)
- Accreditation (p. 442)

Equal Access/Equal Opportunity

Valley City State University is committed to nondiscrimination in its educational policies and employment practices as required by law, specifically Title VII of the Civil Rights Act of 1964, as amended, Title I and Title V of the Americans with Disabilities Act of 1990, the Age Discrimination in Employment Act of 1967, the Equal Pay Act of 1963, and Title II of the Genetic Information Nondiscrimination Act of 2008. The university has given assurance of compliance with these regulations and subsequent amendments. The university will seek prompt and equitable resolution of allegations of discrimination, or retaliation for allegations. Discrimination for this policy includes allegations relating to race, religion, color, national origin, sex (including pregnancy and nursing mothers), age, marital status, physical or mental disability, equal pay, genetic information, and of allegations relating

to sexual harassment. This procedure is in compliance with state and federal regulations.

With regard to Equal Employment Opportunity, the university will implement employment practices that exceed the minimal expectations of the law.

Inquiries concerning compliance may be directed to the following:

Title IX Coordinator

Kaleen Peterson, Director for Student Academic Services
McFarland Hall 322B
701-845-7302

Office of Civil Rights

U.S. Department of Education
John C. Kluczynski Federal Building
230 S Dearborn Street, 37th Floor
Chicago, IL 60604

Title 38 US Code 3679

In accordance with Title 38 US Code 3679 subsection (e), this school adopts the following additional provisions for any students using U.S. Department of Veterans Affairs (VA) Post 9/11 G.I. Bill® (Ch. 33) or Vocational Rehabilitation & Employment (Ch. 31) benefits, while payment to the institution is pending from the VA. This school will not:

- Prevent the student's enrollment;
- Assess a late penalty fee to the student;
- Require the student to secure alternative or additional funding;
- Deny the student access to any resources (access to classes, libraries, or other institutional facilities) available to other students who have satisfied their tuition and fee bills to the institution.

However, to qualify for this provision, such students may be required to:

- Produce the VA Certificate of Eligibility (COE) by the first day of class;
- Provide a written request to be certified

Reservation of Rights

The editors have made every effort to provide accurate information in this catalog. Nevertheless, policies and

information that the volume contains may have changed by the time of publication. The reader is therefore advised to consult the appropriate university office or department for any possible revisions.

Disclaimer

Catalogs and bulletins of educational institutions are prepared by faculty committees or administrative officers for the purpose of furnishing prospective students and other interested persons with information about the institution.

Information contained in such printed material is subject to change without notice and may not be regarded in the nature of binding obligations on the institutions and the state. In times of changing conditions it is especially necessary to have this definitely understood. Therefore, the State Board of Higher Education makes this announcement in all catalogs and bulletins of information being issued by the state educational institutions of the North Dakota University System.

The right is reserved to change any of the rules and regulations of the university at any time, including those relating to admission, instruction, and graduation. The right to withdraw curricula and specific courses, alter course content, change the calendar, and to impose or increase fees similarly is reserved. All such changes are effective at such times as the proper authorities determine and may apply not only to prospective students, but also to those who already are enrolled in the university.

The University



Recognized as one of the top public regional colleges in the Midwest and one of America's "Best Colleges" for 25 consecutive years by U.S. News, VCSU is an academically driven, student-centered university.

VCSU offers more than 65 undergraduate programs in art, business, communication arts, computer systems and software engineering, education, kinesiology and human performance, language and literature, mathematics, music, science, social science, and technology education.

Valley City State University holds the title for the best elementary education program in the country, outranking non-profit public and private schools. Founded in 1890 as a teacher's college, VCSU has held fast to its heritage and maintains an outstanding reputation for developing some of the finest K – 12 educators in the region.

In early 2022, VCSU also added a Master of Science (M.S.) in Business Information Systems as a response to changing economic outlooks and workforce needs. VCSU also offers online Master of Education (M.Ed.) and Master of Arts in Teaching (M.A.T.) degree programs.

By providing full-time students with their own laptop, VCSU has remained committed to accessible, technology-driven educational opportunities for all students. Adapting educational technology and teaching methods has ensured all students receive a high-impact learning experience no matter their location or ability.

Valley City State's 55-acre campus is bordered on the south by a forested hillside and on the north by the Sheyenne River. The campus architecture marries historic and modern buildings to create one of the most beautiful campuses in North Dakota. The central campus is listed on the National Register of Historic Places as a Historic District, cementing VCSU's place in North Dakota history.

Located in Valley City, a town of 6,500 people located along the Sheyenne River, is a 45-minute commute from Fargo. VCSU is one of the largest employers in the region, having a large economic impact on the community.

Fully accredited by the Higher Learning Commission, VCSU was credited with a healthy, forward-looking culture with academic and strategic growth potential. VCSU is one of 11 institutions in the North Dakota University System (NDUS).

VCSU Mission and Vision



VCSU Mission

Valley City State University is a public, regional university offering exceptional programs in an active, learner-centered community that promotes meaningful scholarship, ethical service, and the skilled use of technology. As an important knowledge resource, the University offers programs and outreach that enrich the quality of life in North Dakota and beyond. Through flexible, accessible, and innovative baccalaureate and master's programs, VCSU prepares students to succeed as educators, leaders, and engaged citizens in an increasingly complex and diverse society.

VCSU Vision

As an innovative university, we deliver distinctive, learner-centered experiences.

University Purposes

- Deliver a quality educational experience in an engaging, innovative culture and a technology-enhanced environment.
- Serve the best interests of our students, region, and society.
- Lead effectively in applying information media technologies for learning.
- Promote an appreciation of diversity and inclusion to enrich the quality of thought, discussion, and learning.
- Award degrees in education, business, and the liberal arts and sciences.

Core Values

- **Student-Focused:** We place students at the center of all discussions.
- **Innovative:** We try new things to help create the future.
- **Learning-Centered:** We develop and sustain a culture of lifelong learning.
- **Collaborative:** We work synergistically to advance our mission.
- **Engaged:** We actively participate in the work of the university.

Accreditation

Valley City State University is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools (NCA), the Council for the Accreditation of Educator Preparation (CAEP), and the National Association of Schools of Music (NASM). The Community School of the Arts is a certified member of the National Guild of Community Schools of the Arts.

The Higher Learning Commission (<https://www.hlcommission.org/>)
230 South LaSalle Street, Suite 7-500
Chicago, IL 60604-1411

Council for the Accreditation of Educator Preparation (<http://caepnet.org/>)
1140 19th Street NW, Suite 400
Washington, DC 20036

National Association of Schools of Music (<https://nasm.arts-accredit.org/>)
11250 Roger Bacon Drive, Suite 21
Reston, VA 20190-5248

Valley City State University is a member of the National Association of Intercollegiate Athletics and the North Star Athletic Association.

National Association of Intercollegiate Athletics (<http://www.naia.org/>)
120 W 12th Street, Suite 700
Kansas City, MO 64105

Complaint Compliance

Valley City State University is committed to providing a high quality educational experience, fully supported by a range of academic and administrative services. It is our intention to meet the students' educational goals through a positive and rigorous academic experience. In an instance where the student has a concern, it may be voiced through the normal administrative procedures which include meeting with his or her academic advisor, faculty member, or the Director of Student Academic Services. If the student decides to pursue a formal complaint, the process is outlined in the Student Handbook.

To pursue state level resolution, contact Lisa Johnson at (701) 858-3494 or email (lisa.a.johnson@ndus.edu).

Graduate Studies

- Graduate Studies Office (p. 445)
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Due Process

Waiver of Admission Status

Applicants to a graduate academic program may appeal decisions on their admission status by petition. The Petition to Appeal Graduate Policy can be obtained from VCSU OneStop (<http://onestop.vcsu.edu>) <http://onestop.vcsu.edu>. The applicant should consult with the Dean of Graduate Studies who will process the petition with the Graduate Council and notify the applicant of the result in a timely manner.

Waiver of Regulations

A graduate student may appeal a graduate policy by petition. The Petition to Appeal Graduate Policy can be obtained from VCSU OneStop (<https://onestop.vcsu.edu/support/home/>) and submitted to the advisor and to the Dean of Graduate Studies. The graduate student should consult with the Dean for additional information.

General Information

The Degree Program

Valley City State University offers a Master of Arts in Teaching degree (MAT), a Master of Education degree (M.Ed.) with six specific areas of concentration, and a Master of Science degree (M.S.) in Business Information Systems.

Accreditation

Valley City State University is fully accredited by the Higher Learning Commission of the North Central Association. This accreditation was extended in 2005 to include the Master of Education with concentrations in Teaching and Technology and Technology Education. In 2007 the HLC approved the concentration in Library and Information Technologies; in 2009 the Teaching English Language Learners concentration was approved; and in 2013 the Elementary Education concentration and the English Education concentration were approved. In 2021 the Master of Science degree was approved. In 2009 and again in 2015, the Council for the

Accreditation of Educator Preparation (CAEP) granted its approval to the advanced preparation level.

Master of Arts in Teaching Degree

The Master of Arts in Teaching parallels the undergraduate Teacher Education program and Master of Education degree by employing a set of core courses required to meet North Dakota teacher certification. This degree helps meet the increasing demand for teachers in shortage areas and also provide graduate credentials for career and salary advancement. The program provides a more direct path to teacher licensure through an advanced level professional degree for individuals with a non-teaching baccalaureate degree.

Master of Education Degree

The Master of Education degree (M.Ed.) is designed for individuals who have experience in the field of education. Concentrations currently available include Library and Information Technologies, Teaching English Language Learners, Teaching and Technology, Technology Education, Elementary Education, and English Education. The concentrations each require a core of four education courses and a varying number of required credits in each concentration. Options are also available within two different concentrations. Career and Technical Education, and Science, Technology, Engineering, and Mathematics (STEM) elementary and secondary education are available within the Technology Education concentration. Teaching & Learning and content qualifications in Communication, History, Physical Education and Math are available within the Teaching and Technology concentration.

Master of Science Degree

The Master of Science in Business Information Systems an interdisciplinary program that pulls from the areas of Computer Information Systems, Communication, Business, and Software Engineering to create an integrated curriculum. This program is designed to provide individuals with a bachelor's degree in computer science or business the opportunity to integrate their knowledge with advanced work in specific business process and systems. The program offers coursework in Salesforce and SAP that prepares individuals to pursue certification in these CRM and ERP software packages; the master's program will utilize this content and also offer advanced training as appropriate for those already initially certified.

Student Responsibility

It is the responsibility of each graduate student to understand the graduate policies and procedures and to maintain the standards for graduate study at Valley City State University.

Graduate Faculty

Membership to graduate faculty status recognizes the faculty members' teaching and research qualifications which enable them to conduct graduate level instruction and supervise graduate student research and scholarship. The graduate faculty is expected to contribute to the advancement of knowledge, the practice of teaching, and service to

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the institution and discipline. Graduate faculty have an appropriate terminal degree (or equivalent), successful teaching experience, and continuing evidence of scholarly achievement and professional activity in their discipline.

Graduate Council

The Graduate Council derives its powers from the Constitution of the Valley City State University Faculty Association. All matters impacting graduate education will be conducted in accordance with the policies of the Faculty Association Constitution and Graduate Council. Graduate Council is the graduate unit policy making and curriculum body. The Dean of Graduate Studies is the Chair.

Continuing Education Courses

Graduate-level professional development courses are delivered primarily to teachers for the purpose of continued licensure. VCSU offers a variety of courses and workshops that fulfill the academic needs and interests of teachers. Courses are offered in several formats, including face-to-face, online, workshops, and combined formats. These credits are not eligible to be applied to a degree program. Individuals who have not completed an undergraduate degree may not take courses dual-listed between graduate and undergraduate levels for graduate credit. Visit <http://www.vcsu.edu/extend> (<http://www.vcsu.edu/extend/>) for more information.

Grade Requirements

GPA Requirement

Graduate students must maintain an overall graduate GPA of 3.0. A student falling below this minimum after nine (9) semester hours will be placed on academic probation and assigned provisional status.

Passing Grade

The minimum passing grade for graduate credit is a "C". No more than six (6) semester hours of "C" graded credit may be applied toward the degree. "D" graded graduate credit may not be applied toward the degree.

Program Requirement

The student must successfully complete a minimum of 33 graduate semester credits in an approved plan of study and maintain an overall graduate GPA of 3.0. A student falling below this minimum after nine (9) semester hours will be placed on academic probation and assigned provisional status.

Incomplete Grades

The grade of incomplete may be negotiated with an instructor when the student has failed to meet a specific and important requirement in the course but has in other respects done passing work for the semester. The grade of incomplete must

be removed during the regular semester following the term in which it was reported. If the deficiency is not made up within the specified time, the incomplete will revert to the grade earned at the time the incomplete was negotiated.

Repeating a Course

Any course previously taken for which the grade received was below a "B" may be repeated once. All repeats will be recorded along with the initial attempt. The second grade becomes the grade of record and replaces the first in computing overall GPA. Only two (2) graduate courses, prerequisite and/or required, may be repeated to satisfy completion of the degree.

Academic Probation

Graduate students placed on academic probation and assigned Provisional status must raise their overall GPA to at least a 3.0 within the next nine (9) graduate credit hours taken; if not the student will be dismissed from the program/institution.

Notification of Degree Requirement Changes

It is VCSU's responsibility to inform active and potential students of changes to the degree requirements. Students must be given sufficient notification so as to allow them to finish their program requirements. When this is not possible, substitutions must be provided.

Research Approval

To ensure adequate safeguards and to discharge the responsibility of the institution, no research or related activity involving human subjects may be undertaken unless approved through the IRB pre-screening process. All human subject research connected with Graduate Studies must be pre-screened to determine whether IRB review is required.

Graduate Policies & Procedures

Once admitted the student is expected to maintain a high level of academic achievement. The graduate degree is a defined program of courses, research, and practice offered by a department, school, or multiple units that focuses on a field of study. Any deviation from the courses, research, or practice must be appealed by petition. The petition is obtained from the Office of Graduate Studies or VCSU OneStop (<https://onestop.vcsu.edu/support/home/>) and submitted to the advisor and the Dean of Graduate Studies who will process the petition. To view the full Graduate Policy go to <http://onestop.vcsu.edu> or use the linked Graduate Policy (<https://onestop.vcsu.edu/support/solutions/articles/10000025506-v400-01-graduate-policies-and-procedures/>)

Graduate Studies Office

Office of Graduate Studies

graduate@vcsu.edu

McFarland Hall Suite 327

Dean of Graduate Studies & Extended Learning

James Boe, Ph.D.

(701) 845-7304

Dual Credit & Program Coordinator

Chasity Lovell

chasity.lovell@vcsu.edu

(800) 532-8641 extension 37602

(701) 845-7602

FAX: (701) 845-7190

<https://www.vcsu.edu/departments/graduate-studies>

(<https://www.vcsu.edu/departments/graduate-studies/>)

Master of Arts in Teaching (p. 459)

Content Area Milestones for Master of Arts in Teaching

- Art Education
- Biology Education
- Business Education
- Chemistry Education
- English Education
- Health Education
- History Education
- Mathematics Education
- Music Education
- Physical Education
- Social Science Education
- Spanish Education
- Technology Education

Master of Education Areas of Concentration

- Elementary Education
- English Education
- Library and Information Technologies
- Teaching and Technology
 - Option 1: Teaching and Learning
 - Option 2: Communication
 - Option 3: History
 - Option 4: Health and Physical Education
 - Option 5: Math
- Teaching English Language Learners
- Technology Education

- Option 1: Secondary STEM Education
- Option 2: Elementary STEM Education
- Option 3: Career and Technical Education

Graduate Certificates

- Library and Information Technologies
- Teaching English Language Learners
- STEM
 - Elementary Focus
 - Secondary Focus

Master of Science in Business Information Systems (p. 470)

EDUC 610. Research in Education. 3 Credits.

An overview of research techniques and methodologies.

This course covers measurement concepts and statistical analysis in educational research, current theory, and practice of qualitative and quantitative research design, and research-based applications to improve student learning.

Typically Offered: Fall, Spring, Summer.

EDUC 611. Foundations of Teaching for Learning. 3 Credits.

The course examines the teaching profession, including the historical, philosophical, and social foundations of education. Students gain knowledge of the VCSU teacher education model and apply knowledge and skills through practice teaching activities, including the effective use of planning, implementing, evaluating, and reflecting. The course requires a field experience in secondary classroom.

Typically Offered: Summer.

EDUC 612. Human Development and Learning Needs. 3 Credits.

A survey of the psychology of human life span development and learning needs.

Typically Offered: Spring.

EDUC 613. Reading and Multiple Literacies. 3 Credits.

A study of reading in the content areas. Methodology, organization of classroom, study skills, and strategies for dealing with the culturally different student are emphasized.

Typically Offered: Spring.

EDUC 614. Secondary Methods and Assessment. 4 Credits.

Focused on strategies used in exemplary secondary school teaching that are appropriate for adolescent and young adult learners. The course provides students with an opportunity to learn and develop the knowledge and skills necessary to achieve teaching competency.

Typically Offered: Fall.

EDUC 620. Leadership, Planning and Organizational Behavior. 3 Credits.

A study of leadership theory and organizational behavior in education. This course provides school leaders with preparation in leadership theory, shaping positive school culture, leading school improvement and the development of a shared strategic vision, organizational behavior and managing conflict.

Typically Offered: On sufficient demand.

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EDUC 621. School Law and Organizational Structure of Education. 3 Credits.

This course is designed as a beginning law course for school teachers. Topics include organizational structures of school, federal and state systems, church-state related issues, teacher rights, rights of students with disabilities, instructional issues, tort liability, and equal opportunities in education.

Typically Offered: On sufficient demand.

EDUC 622. Personal Communication and Ethics in Education. 3 Credits.

This course prepares aspiring school leaders to understand and use effective personal communication and ethical practice. Topics include articulating a professional code of ethics, developing a plan for their personal and professional development, community and media relations, and principles of effective communication skills.

Typically Offered: On sufficient demand.

EDUC 623. Personnel, Supervision and Staff Development. 3 Credits.

This course prepares school leaders to understand the function of human resources administration as a foundation for effective educational programs. Topics include human resource utilization, staff development/evaluation, organizational climate, instructional improvement, and student outcomes.

Typically Offered: On sufficient demand.

EDUC 625. Issues in School, Community, and Family. 3 Credits.

An exploration of the shaping of education in America by law and the legal system. This course covers the current legal and educational issues of equal educational opportunities, treatment of students with disabilities, English Language Learners, school effectiveness and reform, school finance, and philosophy. Focuses on administrative leadership and technologies that develop, maintain, and enhance effective approaches in working with schools, faculty and staff, students, parents, and community members from diverse backgrounds.

Typically Offered: Fall, Summer.

EDUC 630. Principles of Teaching and Learning in Secondary. 3 Credits.

An examination of several models of instruction for building effective teaching practice to meet diverse learning needs. The focus of the course is the psychological aspects of teaching and how effective teaching assists the learning process. It also explores and integrates multiple intelligences, learning styles, and cooperative learning with technology in the context of implementation into instruction, curriculum, and assessment.

Typically Offered: On sufficient demand.

EDUC 631. Principles of Teaching and Learning in Elementary. 3 Credits.

An examination of several models of instruction for building effective teaching practice in the elementary classroom to meet diverse learning needs. This course covers the psychological aspects of teaching in the elementary classroom and how effective teaching assists the learning process. It explores multiple intelligences, learning styles, and cooperative learning integrated with technology.

Typically Offered: Summer.

EDUC 635. Technology for Learning. 3 Credits.

An overview of the knowledge and skills necessary for effective use of current instructional technologies in order to enhance learning and contribute to positive school change that supports a learner-centered environment. The course focus is on applying theory, research, and practice to instruction planning and curricular improvement within the context of the learning community, as well as examining related social, equity, ethical, and legal issues.

Typically Offered: Spring.

EDUC 640. Supervision and Assessment of Teachers and Learners. 3 Credits.

Provides multiple means of assessing and evaluating diverse student learning including technology, theory, and practice. Explores types of assessments that motivate students to learn, as well as approaches to planning, managing, delivering, and assessing instruction that draw on social, cultural, and historical foundations. Prepares educators for leadership roles in schools.

Typically Offered: Spring, Summer.

EDUC 642. Supervision of Student Teachers. 3 Credits.

A guide for K-12 classroom teachers to successfully mentor teacher candidates with an emphasis on applying co-teaching strategies. The course emphasizes state administrative rules and university expectations, as well as the role of the university supervisor, cooperating teacher, and teacher candidate. The course provides experiences designed to help teacher candidates become effective elementary and secondary school teachers.

Typically Offered: Summer.

EDUC 650. Field Design and Implementation. 3 Credits.

An exploration of ways to integrate technology into K-12 classrooms and develop projects that use technology to improve student learning. The course allows students to plan the implementation of a field experience of an engaged project in their classroom that applies and reflects on their content, professional, and pedagogical knowledge, skills, and dispositions in a variety of settings.

Typically Offered: Fall.

EDUC 657. Exceptionality, Diversity, and Differences. 3 Credits.

A study of exceptionality, diversity, and difference that exists in P-12 classrooms, including issues of socio-economic status, gender, and ethnicity. Explores related strategies for developing appropriate learning environments, instructional modifications, intervention alternatives, teaching styles, and alternative delivery systems, as well as addresses professional networking and collaboration in order to enhance the learning experience for all students.

Typically Offered: Fall, Spring.

EDUC 660. Assessment Strategies for ELL. 2 Credits.

This course is designed to guide K-12 classroom teachers to successfully differentiate their assessment practices for linguistically diverse student populations and addresses student monitoring of academic mastery, English language proficiency, instructional and assessment accommodations, and stakeholder reporting.

Typically Offered: Fall, odd years.

EDUC 663. Methods of Teaching ELL. 2 Credits.

An examination of the structured strategies for effectively supporting the learning of English learners in their classroom through effective planning of language objectives and building academic vocabulary development in all lessons. The course supports the learning of students through comprehensive input on these cross-curricular strategies.

Typically Offered: Spring, even years.

Prerequisite: EDUC 660.

EDUC 664. Literature and Literacy for Children and Young Adults. 3 Credits.

An examination of literacy issues as they relate to literature for children and young adults. Classic and contemporary works of literature for children and young adults will be studied with regard to reading issues, child/adolescent development, censorship, literary value, and lifelong reading/learning. Cross-referenced with ENGL 664 and LMIS 664.

Typically Offered: Fall.

Same As: EDUC 664/ENGL 664/LMIS 664.

EDUC 665. Learning Theory and Instructional Design. 3 Credits.

An overview of learning theories instruction design models. The course focuses on curriculum design for educators using the Backward Design model within behavioral, cognitive information processing, and constructivist approaches.

Typically Offered: Fall.

EDUC 667. Literacy as Communication in Elementary. 3 Credits.

A focus on ways to integrate effective reading strategies into all subject areas of the curriculum. Participants learn strategies for supporting the comprehension of nonfiction texts and the development of content-area vocabulary, as well as motivational techniques for reluctant learners. This course also expands background experience in literacy including study skills, vocabulary development, reading comprehension, and written, oral, and listening communication.

Typically Offered: Spring.

EDUC 670. Second Language Acquisition. 2 Credits.

Examines and applies theories and models of second language acquisition for ELL students to include the emotional, social and intellectual implications of learning a second language in a cross-cultural setting.

Typically Offered: Fall, even years.

EDUC 673. Foundations of Bilingual Education. 2 Credits.

Examines and applies theories and models of bilingual education for ELL students from a cross-disciplinary perspective to include individual and societal concepts in minority and majority languages and childhood developmental perspectives as well as the psychological and sociological aspects of bilingualism.

Typically Offered: Summer.

EDUC 675. Teaching with 21st Century Tools. 3 Credits.

A study of the tools teachers will need to help students master the learning skills of a digital world. The participants will acquire a knowledge of information and communication technologies, an understanding of the relevance of teaching with real world examples, and the importance of involving students in areas of communication and collaboration.

Typically Offered: Summer.

EDUC 676. Internship/Student Teaching. 6 Credits.

Observation, teaching, and other experiences related to teaching. The student in secondary education spends twelve weeks of student teaching or successful completion of transition to teaching phase one.

Typically Offered: Fall, Spring.

Grading: S/U only.

EDUC 681. Continuous Enrollment. 1 Credit.

An option for graduate students who must remain continuously enrolled during the graduate studies process.

Typically Offered: Fall, Spring, Summer.

Grading: S/U only.

Repeatable: Up to 15 Credits.

EDUC 685. Action Research in Education. 3 Credits.

A study of the action research process. This course covers how to conduct, analyze, and reflect upon action research. Topics include the action research process, IRB paperwork, data collection, data analysis, and reflection.

Typically Offered: Fall, Spring.

Prerequisite: EDUC 610.

EDUC 686. Integrative Capstone Project. 2 Credits.

A summative graduate experience that reflects on learning and makes connections to changes in teaching and methodology. The students will demonstrate the core knowledge and values in this standards-based digital portfolio. Previously Teaching for Learning Capstone (TLC) will be showcased.

Typically Offered: Fall, Spring, Summer.

EDUC 688. Leadership Capstone. 2 Credits.

The leadership capstone is a supervised administrative experience in several role specialization areas. The general purpose of the practicum is to give students an opportunity to implement the theories and principles acquired in class, complete portions of the portfolio competencies, and experience diverse working situations.

Typically Offered: On sufficient demand.

EDUC 689. Research Application. 1 Credit.

Preparation for completing individual action research topic on the graduate level. The course directs the student in completion of M.Ed. research requirement. Cross-referenced with ENGL 689, LMIS 689, and TECH 689.

Typically Offered: Fall, Spring, Summer.

Same As: EDUC/ENGL/LMIS/TECH 689.

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EDUC 693. ELL Teaching Practicum. 2 Credits.

An outline for candidates to demonstrate their proficiency at planning implementing and managing curriculum and instruction for ELL students. The students will acquire the eight (8) essential elements of the Sheltered Instruction Operational Protocol and demonstrate them during the final evaluation of the practicum.

Typically Offered: Fall, Spring.

Prerequisite: EDUC 663.

EDUC 694. Independent Study. 1-3 Credits.

A student initiated course to provide expanded offerings to meet a special need. The student effort may be a major project or an additional research activity.

Typically Offered: On sufficient demand.

Repeatable: Up to 3 Credits.

EDUC 698. Capstone. 2 Credits.

A summative graduate experience that reflects on learning and makes connections to changes in teaching and methodology. The students will demonstrate the core knowledge and in this standards-based digital portfolio. Previously developed publishable action research effort is showcased. Cross-referenced with ENGL 698, LMIS 698, and TECH 698.

Typically Offered: Fall, Spring, Summer.

Same As: EDUC/ENGL/LMIS/TECH 698.

EDUC 699. Special Topics. 1-3 Credits.

An advanced study covering topics not regularly taught in the Master of Education program. The course provides learners with the flexibility to investigate topics of interest.

Typically Offered: On sufficient demand.

Graduation Requirements

Completing Credits

Students must successfully complete 33-39 graduate semester credits with course grades received of A, B, C, S in an approved plan of study to be eligible for graduation.

Transfer Credits

Students may not transfer more than nine (9) credit hours required for the degree.

Degree Requirements

Students must successfully complete course requirements, a research report/project, a final comprehensive portfolio, and any other program concentration requirements.

Grade Point

Students must attain a minimum overall graduate grade point average of 3.0 with no more than two (2) course repeats. No course may be repeated more than once.

Application for Graduation

Application for graduation must be made to the Office of Graduate Studies. Students must apply for graduation according to the dates established by VCSU. See Catalog Academic Calendar (p. 485).

Time Limit

The time elapsed from the beginning of the first course applied toward degree requirements to the degree awarded date will not exceed seven (7) years.

Program Advising

The concentration representative, with approval of the Dean of Graduate Studies, will make an initial advisor assignment.

The advisor will:

- Guide the student in formulation of the Degree Plan.
- Approve research/project proposal.
- Provide guidance related to the credit transfer, IRB pre-screening requirements, portfolio progress, and timely completion of the Degree Plan.
- Communicate with the student concerning his/her fulfillment of requirements for the degree.

All degree-seeking students should work closely with their program advisors to prepare a Degree Plan (plan of study).

Registration

Office of the Registrar

(800) 532-8641 extension 37295

(701) 845-7295

myweb.vcsu.edu/registrar/ (<https://myweb.vcsu.edu/registrars/>)

Registration

Students are expected to contact their advisors before registering. Registration for classes occurs online through Campus Connection in the term prior to the semester those classes begin. The registration process is not complete until all fees are paid.

Adding or Dropping a Course

Course schedule changes may be processed in Campus Connection (online student self-service) through the tenth calendar day of the fall term and the eleventh calendar day of the spring term. After the tenth calendar day of the fall term or the eleventh calendar day of the spring term, course schedule changes must be processed by submitting a petition to appeal VCSU policy to the Office of Graduate Studies.

Add

A student may add a semester-length course through the tenth calendar day of the fall term and the eleventh calendar day of the spring term. Courses within a shorter session and the summer term will have a proportional last day to add. Specific add dates for the term and each session can be found at myweb.vcsu.edu/registrar/ (<https://myweb.vcsu.edu/registrars/>).

Drop with No Record

A student may drop a semester-length course and no record of the course will appear on the student's transcript if the drop is processed on or before the tenth calendar day of the fall term and the eleventh calendar day of the spring term. Courses within a shorter session and the summer term will have a proportional last day to drop with no record. Specific drop with no record dates for the term and each session can be found at myweb.vcsu.edu/registrar/ (<https://myweb.vcsu.edu/registrars/>).

Drop with Record

A student may drop a semester-length course at any time during the first twelve weeks of the semester. A grade of "W" will be recorded on the student's transcript for all courses dropped after the Drop with No Record deadline. Courses within a shorter session and the summer term will have a proportional last day to drop with a record. Specific drop with a record dates for the term and each session can be found under at myweb.vcsu.edu/registrar/ (<https://myweb.vcsu.edu/registrars/>).

No course schedule changes are permitted after the Drop/Add deadlines except in highly unusual circumstances. Such changes require the student to submit a petition to the

Academic and Scholastic Standing Committee for a decision on whether or not the change will be permitted.

Petitions are available in VCSU OneStop <http://onestop.vcsu.edu>

Withdrawal from the University

If for any reason a graduate student finds it necessary to withdraw from Valley City State University during the semester, an email should be sent to the Director of Student Academic Services. The last day to withdraw from the university is the last business day of the twelfth week of classes. The withdrawal form is available in VCSU OneStop <http://onestop.vcsu.edu>.

Failure to follow the regular procedure may result in the student receiving failing grades in all courses for that semester. The final day to withdraw from a semester is the final day of the course. If the student is receiving financial aid he or she must visit with a Financial Aid counselor to develop a repayment plan. In case of an emergency withdrawal it is the responsibility of the student to notify a university official.

Family Education Rights and Privacy Act (FERPA)

As custodian of student records and in compliance with the Family Educational Rights and Privacy Act of 1974, the university assumes the trust and obligation to ensure full protection of student records which includes maintaining the confidentiality of educational records. The administrative procedures outlined in this section are to be complied with by university personnel who have or accumulate educational records which are in a personally identifiable form. The term "student" in this section means an eligible student under FERPA (a student at VCSU). Students may review a copy of FERPA and the regulations at the Office of the Registrar.

Student records maintained by the university fall into two general categories—directory information and educational records.

Directory Information

1. Directory information is information concerning a student which may be released publicly. It includes the following: the student's name, address, e-mail address, telephone number, major and minor field of study, class level, enrollment status, participation in officially recognized activities and sports, weight, height and photos of members of athletic teams, photographs, video and electronic images, dates of enrollment, degrees and honors/awards received, date degree earned and name(s) of previous educational institution(s) attended by the student.
2. Students may request that any or all of their directory information not be made public by completing a form in the Office of the Registrar between the first and tenth day of class in a term (or between the first and tenth day of class in a summer session). This request will remain in effect for one year. The specified directory information will then be treated the same as educational records information. In responses to public inquiries, the university

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will verify only whether or not an individual is currently enrolled at the university.

Educational Records

Educational records are those records, files, documents, and other materials which contain information directly related to a student's academic progress, financial status, medical condition, etc. and are maintained by Valley City State University or a party acting on behalf of the university. Educational records include more than academic records. Educational records, with the exception of those designated as directory information, may not be released without the written consent of the student to any individual, agency, or organization other than specifically authorized personnel. A complete copy of the VCSU Student Record Policy can be found in the Graduate Student Handbook.

FERPA privileges cease upon the death of a student. A written and signed request from the decedent's parent, guardian or spouse is required for release of this information. FERPA privileges end when an individual is no longer a student.

Scholastic Standing

A student shall be permitted to register for graduate study only after formal admission.

Definition of Full, Half and Part-time: A full-time student is defined as one enrolled in at least nine (9) graduate credit hours in Fall, Spring, or Summer terms. Part-time is considered anything less than stated previously. Half time is defined as five (5) graduate credit hours in Fall, Spring, or Summer terms.

Credits

Maximum Term (Semester) Load

The per semester credit hour limit for a graduate student is 12 semester hours per semester. (Fall, Spring, Summer) For an overload request please complete the Petition for the Appeal of a Graduate Policy.

Continuous Enrollment

All enrolled students pursuing a Master's degree will maintain continuous enrollment from matriculation until completion of all degree requirements. Continuous enrollment is defined as registration during each semester (fall, spring, and summer) of the academic year until the degree is attained or until status as a degree-seeking graduate student is terminated through an official University withdrawal.

With continuous enrollment, graduate students will have "active" status until the degree is conferred and have the option of continuous access to University services and resources—such as financial aid, advisor assistance, and information resources—throughout their graduate careers. Continuous enrollment credit does not count toward graduation requirements.

Minimum registration: Unless an approved Leave of Absence, a student must be enrolled in a minimum of one semester

hour each semester until his/her degree is granted or the student's status as a degree seeking student is terminated.

Leave of Absence

On-leave status is available to students who need to suspend their program of study. On-leave status is granted in cases where the student demonstrates good cause (e.g. illness, temporary departure from the university for employment, military service, family issues, financial need, or personal circumstances). A graduate student may request a maximum of three academic terms of leave including summer semester during the course of study for the degree. The time spent in approved on-leave status will be included in the seven-year time limit for completing requirements to the master's degree.

A student with approved on-leave status is not required to pay tuition or fees or register for the one credit of continuous enrollment. On-leave status does not provide the student with University resources. Approval of the advisor, program administrator, and the Dean of Graduate Studies are required.

A student who does not enroll in a minimum of one semester hour or apply for and receive on-leave status fails to maintain continuous enrollment. Failing to maintain continuous enrollment through minimum credit registration or the on-leave status will cause the student to relinquish his or her graduate standing in the University.

Program Reinstatement

A student who wishes to have graduate standing reinstated will be required to file a Graduate Readmission form and pay any fees required. Acceptance to return to the graduate program is not guaranteed. The reinstatement procedures are dictated by the period of absence from enrollment.

Three Semesters or Less: The student completes the Graduate Readmission Form, and if approved, must pay any fees required before reinstatement.

More than Three Semesters: The student is considered a new applicant, and new supporting materials and fees are required. The applicable standards are those in effect when the student applies for readmission. Course work more than seven years old will not be counted toward a graduate degree.

Change of Program

A change of program is required when a student wishes to leave the current academic department/concentration to seek a degree in a different department/concentration. Questions regarding a Change of Program can be made by contacting the advisor or the Office of Graduate Studies.

Transfer of Graduate Credits

Applicants once admitted may petition for transfer of graduate credit earned at another regionally accredited institution. The course work must conform to the time limits and grade expectations for course work counted toward the degree at VCSU. The petition is available on VCSU OneStop (<http://onestop.vcsu.edu>) and is submitted to the advisor and Dean of Graduate Studies who will process the petition. Credit

counted toward the degree from VCSU through transfer from other regionally accredited institutions

- may not exceed nine (9) credits required for the degree.
- credits transferred from another regionally accredited institution must be a grade of "B" or higher.
- must be completed within a seven (7) year time limit. The time begins with the beginning of the semester when first course counted toward the degree is completed to the end of the semester when the last course counted toward the degree is completed.
- must have been earned from a U.S. or Canadian institution accredited to offer graduate courses and degrees. (Credits from international institutions can be transferred only if approved by a departmental committee.)
- must be graduate level.
- must not be continuing education, correspondence, extension, or workshop course or Pass/Fail Satisfactory/Unsatisfactory.
- must not have been used to fulfill the requirements of a baccalaureate degree.

Graduate Admissions

Admission to VCSU Graduate Studies

Admission to Graduate Studies at Valley City State University requires a baccalaureate degree from a regionally accredited institution with a minimum 3.0 grade point average on a 4.0 scale. Official transcripts must be sent directly from the college or university that issued the credit or the baccalaureate degree to the Office of Graduate Studies.

Program Admission Procedures

Applicants must submit to the VCSU Office of Graduate Studies an Application for Admission, official transcripts, letters of recommendation, a resume, a written statement of professional goals and payment of a \$35 non-refundable application fee. The application is accessed by creating an account and completed online. The written statement and resume are uploaded to the online application and email addresses for three references are required. It is the applicant's responsibility to ensure that all admission documents are received in the Office of Graduate Studies by specified deadlines. All credentials submitted by or on behalf of an applicant become the property of VCSU. Once an application has been submitted, applicants should notify the Office of Graduate Studies of any change in plans regarding enrollment at VCSU. Application materials must be received at least 30 days before classes begin for the fall, spring and summer terms.

A complete application includes:

- The online application form
- Official transcripts from each college or university attended
- Three letters of recommendation
- Resume
- A written statement of professional goals in light of the applicants' philosophy including a description of their preparation in the field of education
- A non-refundable application fee of \$35.

International Students

*Note - VCSU graduate programs are delivered online only.

In addition to all other required admission materials, the following must be completed:

- Official academic transcript certifying a four-year baccalaureate degree from an accredited college or university.
- All foreign credentials must be officially translated into English using Worldwide Education Services (WES).
- All academic credentials must be either original records or certified copies of original records. Non-certified photocopies are not acceptable.
- Official Test Scores from TOEFL (Test of English as a Foreign Language). The minimum required TOEFL score on the paper-based test (PBT) is 525, 71 for the internet-based test (iBT) or 6.0 for the International English Language Testing System (IELTS). Scores must be sent directly from the testing center to Valley City State University. Go to <http://www.ets.org> for information on the TOEFL.

Types of Admission

Full Admission

Regular admission is granted when the applicant:

- Holds a bachelor's or an advanced degree from an accredited institution.
- Has no deficiencies in the chosen area of study.
- Meets all program admission requirements.

Canadian residents are not required to complete the International admission materials.

Certificate Admission

Two classes of graduate certificates are distinguished:

1. A certificate awarded with a master's degree indicating that a specific program of coursework has been followed within the regular program coursework. A certificate awarded with a Master's Degree requires no additional admission procedures. Admission to the graduate program admits the student to the certificate. Certificates of this type must be applied for prior to, or at the time of degree completion.
2. A certificate awarded for completing a specified program of post-baccalaureate courses, not constituting a regular graduate degree program, and awarded independently of a regular graduate degree. Applicants for this certificate

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must have a bachelor degree from a regionally accredited institution and have an overall undergraduate GPA of at least 3.0 on a 4.0 scale. Applicants whose last degree completed is a graduate degree may be admitted in full standing if the final GPA of that degree is at least 3.0 or equivalent. If applicants have taken any graduate courses, the graduate GPA must be at least 3.0.

Admission into the Graduate Certificate program does not guarantee admission into a graduate degree program nor imply the waiver of any requirements for admission in to a graduate degree program. Certificate students may only take courses restricted to the certificate program.

- Complete online application.
- Submit \$35 nonrefundable application fee.
- Submit official transcript stating degree.
- Submit a resume or vita providing education and employment experience

Program Provisional Admission

Students may be admitted with provisional status when not all requirements for admission are met, or their GPA is below 3.0, but other materials show potential. Applicants with a GPA below 3.0 must submit scores from at least one examination such as the Graduate Record Examination (GRE), the Miller Analogies Test (MAT), the Praxis II–Principles of Learning and Teaching, or National Teaching Board for Professional Standards. Scores will be used to assess students' previous educational achievement levels and to evaluate their potential for meeting the demands of coursework at the graduate level.

The concentration faculty may make a recommendation to the Dean of Graduate Studies for Provisional Admission. Accompanying the recommendation will be specific standards of performance that must be satisfied for a change to full graduate status. Students admitted under Provisional status may not earn more than nine (9) semester hours of graduate credit in this status.

Provisional admission may be granted:

- When an official undergraduate or graduate transcript has not been received but completion of a bachelor's degree has been confirmed.
- If the student has program deficiencies, Graduate courses may be taken to fulfill the deficiencies, but will not apply to the degree.
- To a student who is seeking full admission, but one or more of the application materials have not been received.
- When the applicant's undergraduate GPA is below 3.0 and a test is required.

Graduate students who have completed 9 or more credits in the program will be placed on academic probation and assigned provisional status if their cumulative grade point average drops below 3.0.

Non-Degree Admission

Individuals who desire to pursue study beyond the baccalaureate degree for professional growth and improvement of skills but not to work toward an advanced

degree objective may be admitted as non-degree graduate students under certain conditions. The applicant must:

- Complete an application form.
- Hold a bachelor's degree from a regionally accredited institution.
- Submit a non-refundable application fee of \$35.
- Submit a copy of a transcript stating degree.
- Have the prerequisite courses or background/experience necessary for the course or courses in which they desire to enroll. This may require consultation and approval from course instructors.
- Be approved by an administrator of the Office of Graduate Studies.

Students enrolled with Non-Degree status may subsequently be considered for admission to Graduate Studies and Research to pursue an advanced degree. Such a change in status may be accomplished for a subsequent term submitting a new application to The Office of Graduate Studies as a degree-seeking student and completion of all other requirements. No more than nine (9) credits may be taken in the non-degree status and used to fulfill graduate degree requirements if approved by graduate faculty from a program concentration, the concentration representative, and the Dean of Graduate Studies.

Appeal of Admission Denial

Applicants to a graduate academic program may appeal decisions on their admission status by petition. Petitions may be requested through the Office of Graduate Studies.

graduate@vcsu.edu or 701-845-7303

The petitions must be submitted to the Dean of Graduate Studies who will process the petition with the Graduate Council and notify the applicant of the result in a timely manner.

Allen Memorial Library



Director for Library Services

Jennifer Jenness
Allen Memorial Library 113
(701) 845-7275

Front Desk: (701) 845-7277
(800) 532-8641, extension 37277
FAX: (701) 845-7284

Text Reference: (701) 401-4229
Email: library@vcsu.edu
<http://library.vcsu.edu>

Allen Memorial Library

The university's library is located at the heart of the VCSU campus, between McFarland Hall and the Student Center. The Library's eResources are accessible 24 hours a day, 7 days a week; in-person reference services, loan pick up and other physical resources and services are available when the library building is open. Regular semester hours are 7:45 am to 9:00 pm, M-Th, 7:45 am to 4:00 pm Friday and 5:00 to 9:00 pm on Sunday; however, hours vary during breaks and holidays. Check the library website (<http://library.vcsu.edu/vp.htm?p=2105>) for the most current information.

To support the overall mission of Valley City State University, Allen Memorial Library personnel provide access to resources through expedited technical services procedures, in-person and eReference services, distance loans, and a patron-driven acquisitions system that fills over 90% of suggestions for purchase. Professional reference services are available in-person Monday through Friday from 9:00 a.m. to 4:00 p.m. and via email, online chat, text reference, and phone.

The Library's website (<http://library.vcsu.edu/>) provides customized access points to resources including an aggregated search of university and state-wide resources, state and federal government document collections, online eBooks, eReserves, and electronic journals. Access to all online resources is authenticated through an EZproxy server using the Blackboard portal, CampusConnection login or library card information. Distance students are encouraged to call or email if they need assistance in accessing online resources.

Students studying from a distance can obtain any physical resources owned by Allen Memorial Library by completing a Distance Loan Request form located at the Allen Memorial Library website/Online and Distance Students. These students can request resources owned by other libraries through the interlibrary loan process, but in order to reduce wait time and shipping costs, are encouraged to check local library holdings in their own community before submitting a request.

Allen Memorial Library houses several special collections including:

- The North Dakota/ND Documents Collection
- The Curriculum Library which supports the University's teacher and library education programs
- The Larry Woiwode Manuscript Collection
- The James D. Ployhar Score Collection
- The VCSU Archives

VCSU Bookstore



(701) 845-7141
bookstore.vcsu.edu (<http://bookstore.vcsu.edu>)

The Bookstore, located on the main level of the Memorial Student Center, carries a variety of office supplies, giftware, and apparel.

Textbook and book buyback policies are managed by the Bookstore. The textbook area is located in the lower level of the Student Center. Questions or comments should be directed to the bookstore manager (todd.rogelstad@vcsu.edu).

Technology Services

Technology Services (<https://myweb.vcsu.edu/technology-services/>)

Rhoades Science Center 117

Chief Information Officer

Joseph Tykwinski
joe.tykwinski@vcsu.edu
(800) 532-8641 extension 37330
(701) 845-7330
FAX (701) 845-7349

Technology Service Desk

(Start here for all technical issues and service requests)

technology.services@vcsu.edu
(800) 532-8641 extension 37340
(701) 845-7340
onestop.vcsu.edu (<https://onestop.vcsu.edu/support/home/>)

Technical Support Services

The following components combine to provide technical support for all users:

Technology Service Desk

The VCSU Technology Service Desk, located in Rhoades Science Center 117, provides technical support for computers, computer networking, classroom presentation equipment, cameras, printers, telephones, online "enterprise" applications, and interactive video classroom services. The full-service VCSU Technology Service Desk is available for phone, chat, and walk-in support approximately 9 hours per day, Monday-Friday. A North Dakota University System Help Desk provides additional phone support 24 hours per day, 7 days per week.

VCSU One Stop

A virtual (online) One Stop environment provides coordinated, customer friendly support across the institution. A powerful search engine allows users to quickly find official VCSU forms, policies and how-to documents. Users can create "help tickets" or use the online chat for immediate support.

With permission of an end-user, VCSU support staff can remotely control a laptop or mobile device for demonstrations and issue resolution. The system supports continuous service improvement through convenient user feedback and system reports. Reference onestop.vcsu.edu (<https://onestop.vcsu.edu/support/home/>)

MY>VCSU Web Portal and Mobile Device App

"MY>VCSU" provides information customized to each user such as GPA, advisor name, links to your courses, etc. The

portal also provides convenient access to all major VCSU and NDUS applications by reducing the number of logins and authentications required to get to the applications; start with MY>VCSU each day and save time. There are two methods to access the portal and both methods are available to all users: a) use a web browser on any computer at my.vcsu.edu, and b) by downloading the "myVCSU" app available at Google Play or the Apple App Store.

Viking ID Card and Viking Mobile ID

Students choose either the Viking ID Card, or the Viking Mobile ID as their official means of identification and access to everything on campus. The Viking ID Card is a physical card that must be purchased, whereas the Viking Mobile ID is an electronic credential associated with a smart phone or Apple watch that is free to download. The Viking ID Card or Viking Mobile ID is not necessary for strictly off-campus and distance learners. The Viking ID Card or Viking Mobile ID is required on-campus to access events and selected doors; make photocopies; track meal plans and discretionary dining dollars; checkout library materials and technology items. It may be used to make purchases at the business office, bookstore and other locations. An associated website allows students and parents to add value to the ID Card or Mobile ID. Students can use the website to monitor balances and to immediately disable a lost or stolen card or mobile device. User identity must be verified by a VCSU employee before the Viking ID Card, or the Viking Mobile ID is issued.

Online Learning Management System

All VCSU classes use an LMS (Learning Management System) to enhance student learning. The LMS includes tools for course handouts, announcements, group and private discussions, test administration, internet links, and delivery of course content. The typical classroom course uses one or more of the tools, while totally online classes use all of the available tools. An internet link to each online course a student is registered for automatically appears within the student's personal web portal.

Web Conferencing

Faculty and students use a web conferencing system to allow guest speakers and students located at distant locations to participate in a live session. The system is occasionally used for general student advising and communication purposes. Users can collaborate via chat, voice, video, information appearing on the computer screen, and an electronic whiteboard.

Class Recordings

Some classes use a recording system to capture voice, computer, and video information. The system is used by faculty to create reusable multimedia resources and store them in the online learning management system.

Software Licensing and Distribution

VCSU obtains institutional site licenses for a variety of professional software. Microsoft Office 365 is available to all employees and all registered students. Office 365 includes online file storage, email/calendar and free download of

Microsoft software, including Word, PowerPoint, Excel and many other titles. Other software is distributed to users based on the unique needs of learners and courses. The software is professionally installed on University owned computers, or it may be accessed via an internet connection to special VCSU servers that host and execute the software.

Campus Connection for Administrative Computing

Campus Connection is a North Dakota University System administrative computing service that provides all students with internet access to class registration, class schedules, grades, fee statements, and financial aid award statements.

Notebook Computers

Depending on the amount of technology fee paid as part of normal course registration, some graduate students qualify to receive a notebook computer on a full time basis at no extra charge. If they do not qualify under the no-additional-fee provision, graduate students may elect to pay an additional fee in order to have a computer issued to them on a full-time basis. The rules and process for full-time computer access is available at the VCSU Technology Service Desk or online. Reference VCSU One Stop, Full-Time Access to VCSU Laptop Computers (<https://onestop.vcsu.edu/support/solutions/articles/10000026708-v1901-02-01-full-time-access-to-vcsu-laptop-computers/>).

Graduate Programs

Majors/Programs (<http://catalog.vcsu.edu/majors-programs/>)

Master of Arts in Teaching (p. 459)

Master of Education (M.Ed.) Program Concentrations

- Elementary Education (p. 460)
- English Education (p. 461)
- Library and Information Technologies (LIT) (p. 462)
- Teaching English Language Learners (ELL) (p. 464)
- Teaching & Technology (T&T)
 - Teaching and Learning (p. 465)
 - Communication (p. 465)
 - History Education (p. 465)
 - Health and Physical Education (p. 465)
 - Mathematics Education (p. 465)
- Technology Education (Tech Ed) (p. 468)

Master of Science in Business Information Systems (p. 470)

Graduate Certificates

- Communication Studies (p. 457)
- English Studies (p. 457)
- History Studies (p. 457)
- Library & Information Technologies (LIT) (p. 457)
- Math Studies (p. 457)
- Physical Education Studies (p. 458)
- STEM Education (p. 458)
- Teaching English Language Learners (p. 458)

Graduate Endorsement

- STEM Education Gifted and Talented Endorsement (p. 471)

Graduate Certificates

- Communication Studies Certificate (p. 457)
- English Studies Certificate (p. 457)
- History Studies Certificate (p. 457)
- Library & Information Technologies (LIT) Certificate (p. 457)
- Math Studies Certificate (p. 457)
- Physical Education Studies Certificate (p. 458)
- STEM Education Certificate (p. 458)
- Teaching English Language Learners Certificate (p. 458)

Communication Studies Certificate

Code	Title	Credits
Required Courses		
COMM 611	Communication Theory	3
COMM 630	Instructional Communication and Technology	3
COMM 645	Media Uses and Effects	3
COMM 650	Advanced Interpersonal Communication	3
COMM 655	Advanced Intercultural Communication	3
COMM 660	Group Communication, Team Building, and Leadership	3
Total Credits		18

English Studies Certificate

Code	Title	Credits
Required Courses		
ENGL 650	Studies in British Literature	3
ENGL 653	Language and Culture	3
ENGL 660	Studies in American Literature	3
ENGL 664	Literature and Literacy for Children and Young Adults	3
ENGL 676	Research in Teaching Writing	3
ENGL 680	Teaching College English	3
Total Credits		18

History Studies Certificate

Code	Title	Credits
Required Courses		
HIST 610	Thinking Historically: Skills and Sources	3
HIST 620	French Revolution and the Age of Napoleon	3
HIST 630	Democracy and Democratization	3
HIST 640	The World Wars	3
HIST 650	Readings in American History	3
HIST 660	Readings in World History	3
Total Credits		18

Library & Information Technologies (LIT) Certificate

Code	Title	Credits
Required Courses		
LMIS 660	Applied Research in School Libraries	3
LMIS 664	Literature and Literacy for Children and Young Adults	3
LMIS 670	Integrating Information Literacy and Research Standards	3
LMIS 676	Contemporary Cataloging for the School Library	3
LMIS 677	Collection Development for the 21st Century School Library	3
LMIS 680	Using Information Resources	3
LMIS 687	Administering and Evaluating Program Resources	3
LMIS 688	Collaboration, Management, and Leadership	3
Total Credits		24

Math Studies Certificate

Code	Title	Credits
MATH 608	History and Philosophy of Mathematics for Teachers	3
MATH 613	Algebra for Teachers	3
MATH 614	Geometry for Teachers	3
MATH 621	Probability and Statistics for Teachers	3
MATH 665	Calculus for Teachers	3
MATH 690	Trends, Methods, and Technology in Mathematics Education	3
Total Credits		18

Physical Education Studies Certificate

Code	Title	Credits
Required Courses		
HPER 610	Motor Learning	3
HPER 620	Current Literature in Health and Physical Education	3
HPER 630	Advanced Developmental Adapted Physical Education	3
HPER 640	Advanced Techniques in Teaching Health and Physical Education	3
HPER 650	Curriculum Development and Evaluation in Health and Physical Education	3
HPER 660	Leadership and Supervision in Health and Physical Education	3
Total Credits		18

STEM Education Certificate

This certificate allows the university to serve the needs of in-service teachers who seek a STEM Education credential. This online certificate is available to teachers both in and outside North Dakota. Through the teachers enrolled in the certificate, STEM education will reach students at the primary and secondary levels and prepare them for the world as it has become. VCSU's STEM certificate will enhance the curricular understandings of in-service teachers who may already have a master's degree or may decide later to expand the certificate into a Master's degree.

Elementary Focus

Code	Title	Credits
Required Courses		
STEM ED 655	STEM Curriculum and Methods in Elementary	3
STEM ED 670	Design, Technology, and Engineering for Elementary	3
STEM ED 671	Inquiry Based Thematic Instruction	3
STEM ED 680	Building Math or STEM ED 685	3
STEM ED 685	Invention and Innovation	3
Total Credits		12

Secondary Focus

Code	Title	Credits
Required Courses		
STEM ED 650	STEM Curriculum and Methods	3
STEM ED 660	Design for Engineering	3
STEM ED 665	Invention and Innovation	3
STEM ED 680	Building Math or STEM ED 682	3
STEM ED 682	Engineering the Future	3
Total Credits		12

Teaching English Language Learners Certificate

This Graduate Certificate in Teaching ELL provides in-service teachers with the cultural and linguistic pedagogy needed to address the ELL needs of North Dakota teachers and will also meet other state requirements. This certificate provides a path for in-service teachers who already possess baccalaureate teaching credentials and may have M.ED.s with the necessary coursework to be credentialed as an ELL instructor. The program also helps meet the increasing demand for graduate credentials for career and salary advancement. A certificate program meets the needs of those seeking professional development, endorsement, or licensure.

Code	Title	Credits
Required Courses		
EDUC 660	Assessment Strategies for ELL	2
EDUC 663	Methods of Teaching ELL	2
EDUC 670	Second Language Acquisition	2
EDUC 673	Foundations of Bilingual Education	2
EDUC 693	ELL Teaching Practicum	2
ENGL 653	Language and Culture	3
ENGL 673	Linguistics for ELL Teachers	3
Total Credits		16

Master of Arts in Teaching

Department Chair: Dr. James Boe, jim.boe@vcsu.edu, (701) 845-7304

Faculty Contact: Dr. James Boe, jim.boe@vcsu.edu, (701) 845-7304

Department Office: McFarland Hall 327E, (701) 845-7303

The Master of Arts in Teaching parallels the undergraduate Teacher Education program and Master of Education degree by employing a set of core courses required to meet North Dakota teacher certification. This degree helps meet the increasing demand for teachers in shortage areas and also provide graduate credentials for career and salary advancement. The program provides a more direct path to teacher licensure through an advanced level professional degree.

The Master of Arts in Teaching requires 33 hours of coursework, internship/student teaching, a research report, and presentation of a comprehensive portfolio. The curriculum is structured around a set of core requirements that provide a broad foundation in education, research and technology. All MAT students are required to complete 33 hours of required courses and some students may need additional hours of Special Program credits.

Code	Title	Credits
EDUC 611	Foundations of Teaching for Learning	3
EDUC 612	Human Development and Learning Needs	3
EDUC 613	Reading and Multiple Literacies	3
EDUC 614	Secondary Methods and Assessment	4
EDUC 625	Issues in School, Community, and Family	3
EDUC 640	Supervision and Assessment of Teachers and Learners	3
EDUC 657	Exceptionality, Diversity, and Differences	3
EDUC 675	Teaching with 21st Century Tools	3
EDUC 676	Internship/Student Teaching	6
EDUC 686	Integrative Capstone Project	2
Total Credits		33

Code	Title	Credits
Special Program Credits		
	Content Major Deficiency Courses	3-24
Total Credits		3-24

Total Required 33 Hrs

Total Special Program Credits 3-24 Hrs

Total Credits Needed for Licensure 36-57 Hrs

Course Rotation

MASTER OF ARTS IN TEACHING

All MAT students are required to complete 33 hours of required courses and some students may need additional hours of Special Program credits.

MASTER OF ARTS IN TEACHING					
REQUIRED	33 hours		Fall	Spring	Summer
EDUC 611	Foundations of Teaching for Learning (3)				Summer
EDUC 612	Human Development and Learning Needs (3)			Spring	
EDUC 613	Reading and Multiple Literacies (3)			Spring	
EDUC 614	Secondary Methods and Assessment (4)		Fall		
EDUC 625	Issues in School, Community, and Family		Fall		Summer
EDUC 640	Supervision and Assessment of Teachers and Learners (3)			Spring	Summer
EDUC 657	Exceptionality, Diversity, and Differences (3)		Fall	Spring	
EDUC 675	Teaching with 21 st Century Tools				Summer
EDUC 676	Internship/Student Teaching		Fall	Spring	
EDUC 686	Integrative Capstone Project		Fall	Spring	Summer
SPECIAL PROGRAM	3-24 hours				
	Content Major Deficiency Courses				See catalog pages for major

FALL Program of Study						
FALL	SPRING	SUMMER	FALL	SPRING	SUMMER	FALL
EDUC 676	EDUC 612	EDUC 611	EDUC 614	EDUC 640	EDUC 625	
	EDUC 613	EDUC 675	EDUC 657		EDUC 686	
Deficiency Cr	Deficiency Cr	Deficiency Cr	Deficiency Cr	Deficiency Cr	Deficiency Cr	Deficiency Cr

SPRING Program of Study						
SPRING	SUMMER	FALL	SPRING	SUMMER	FALL	SPRING
EDUC 612	EDUC 611	EDUC 614	EDUC 640		EDUC 686	
EDUC 613	EDUC 675	EDUC 625	EDUC 657		EDUC 676	
Deficiency Cr	Deficiency Cr	Deficiency Cr	Deficiency Cr	Deficiency Cr	Deficiency Cr	Deficiency Cr

SUMMER Program of Study						
SUMMER	FALL	SPRING	SUMMER	FALL	SPRING	SUMMER
EDUC 611	EDUC 614	EDUC 612	EDUC 640	EDUC 686		
EDUC 675	EDUC 657	EDUC 613	EDUC 625	EDUC 676		
Deficiency Cr	Deficiency Cr	Deficiency Cr	Deficiency Cr	Deficiency Cr	Deficiency Cr	Deficiency Cr

Content area deficiencies may not be eligible for financial aid if taken in a semester without graduate coursework.

Core Values/Learning Outcomes

1. Effective use of Instructional Technologies
2. Expertise in Research, particularly Action Research
3. Expertise in Assessment
4. Supervisor/Leader/Coach
5. Expertise in Curriculum/Instruction
6. Diversity/Global Awareness

The program's Core Values and National Board of Professional Teaching Standards lay the broad foundation for the overall program design. Specific objectives are then addressed in each course, based on its curriculum. At the course level, the required projects and activities provide a rich and diverse collection of opportunities for assessment of student knowledge and understanding by the professor.

Master of Education Program - Concentration in Elementary Education

Department Chair: Dr. James Boe, jim.boe@vcsu.edu, (701) 845-7304

Faculty Contact: Dr. Heather Kvilvang, heather.kvilvang@vcsu.edu, (701) 845-7199

Department Office: McFarland Hall 327E, (701) 845-7303

Valley City State University has designed this concentration for teachers at the elementary level wishing to pursue a master's degree. The curriculum is structured around a set of core requirements that provide a broad foundation in education, research, and technology.

Curriculum in this concentration is designed for K-6 educators who seek to deepen their understanding of teaching and learning. The program of study anchors coursework in learning theory, effective use of technology, and the principles of assessment, as well as providing elective coursework to support the student's unique professional goals. The coursework may also apply in situations where states require an advanced degree with a focus on Elementary Education.

Concentration Requirements

The Master of Education in Elementary Education requires 36 hours of coursework, an action research report, and an oral defense of a comprehensive portfolio. The curriculum is structured around a set of core requirements that provide a broad foundation in education, research and technology. All M.Ed. students are required to complete 12 hours of core courses and three hours of Special Program Courses.

Code	Title	Credits
Core Required Courses		
EDUC 610	Research in Education	3
EDUC 625	Issues in School, Community, and Family	3
EDUC 640	Supervision and Assessment of Teachers and Learners	3
EDUC 657	Exceptionality, Diversity, and Differences	3
Required Courses		
EDUC 631	Principles of Teaching and Learning in Elementary	3
EDUC 650	Field Design and Implementation	3
EDUC 667	Literacy as Communication in Elementary	3
EDUC 675	Teaching with 21st Century Tools	3
EDUC 685	Action Research in Education	3
Electives		
Select six hours from the following:		6
EDUC 642	Supervision of Student Teachers	

EDUC 664	Literature and Literacy for Children and Young Adults	
STEM ED 655	STEM Curriculum and Methods in Elementary	
STEM ED 670	Design, Technology, and Engineering for Elementary	
Special Program Requirements		
EDUC 689	Research Application	1
EDUC 698	Capstone	2
Total Credits		36

Total Core 12 Hrs
Total Required 15 Hrs
Total Electives 6 Hrs
Total Special Program Requirements 3 Hrs
Total Credits Needed to Graduate 36 Hrs

Course Rotation

ELEMENTARY EDUCATION

ELEMENTARY EDUCATION				
CORE	12 hours			
EDUC 610	Research in Education (3)	Fall	Spring	Summer
EDUC 625	Issues in School, Community, and Family (3)	Fall	Spring	Summer
EDUC 640	Supervision and Assessment of Teachers & Learners (3)		Spring	Summer
EDUC 657	Exceptionality, Diversity, and Difference (3)	Fall	Spring	
REQUIRED	15 hours			
EDUC 631	Principles for Teaching & Learning in Elem (3)			Summer
EDUC 650	Field Design and Implementation (3)	Fall		
EDUC 667	Literacy as Communication in Elementary (3)		Spring	
EDUC 675	Teaching with 21st Century Tools (3)			Summer
EDUC 685	Action Research in Education (3)	Fall	Spring	
ELECTIVES	6 hours			
EDUC 642	Supervision of Student Teachers (3)			Summer
EDUC 664	Literature & Literacy for Child & Young Adults (3)	Fall		
STEMED 655	STEM Curriculum and Methods, Elementary (3)	Fall		
STEMED 670	Design Tech & Engineering for Elem (3)		Spring	
SPECIAL PROGRAM	3 hours			
EDUC 689	Research Application (1)	Fall	Spring	Summer
EDUC 698	Capstone (2)	Fall	Spring	Summer

FALL Program of Study					
FALL	SPRING	SUMMER	FALL	SPRING	SUMMER
EDUC 610	EDUC 667	EDUC 631	EDUC 650	EDUC 657	EDUC 698
EDUC 625	EDUC 685	EDUC 675	EDUC 664 or STEMED 655	EDUC 640 or STEMED 670	EDUC 689 EDUC 640 or EDUC 642

SPRING Program of Study					
SPRING	SUMMER	FALL	SPRING	SUMMER	FALL
EDUC 610	EDUC 625	EDUC 685	EDUC 657	EDUC 675	EDUC 698
EDUC 667	EDUC 631	EDUC 650	EDUC 640 or STEMED 670	EDUC 640 or EDUC 642	EDUC 689 EDUC 664 or STEMED 655

SUMMER Program of Study					
SUMMER	FALL	SPRING	SUMMER	FALL	SPRING
EDUC 610	EDUC 685	EDUC 657	EDUC 675	EDUC 650	EDUC 698
EDUC 631	EDUC 625	EDUC 667	EDUC 640 or EDUC 642	EDUC 664 or STEMED 655	EDUC 640 or STEMED 670

Core Values/Learning Outcomes

1. Effective use of Instructional Technologies
2. Expertise in Research, particularly Action Research
3. Expertise in Assessment
4. Supervisor/Leader/Coach
5. Expertise in Curriculum/Instruction
6. Diversity/Global Awareness

The program's Core Values and National Board of Professional Teaching Standards lay the broad foundation for the overall program design. Specific objectives are then addressed in each course, based on its curriculum. At the course level, the required projects and activities provide a rich and diverse collection of opportunities for assessment of student knowledge and understanding by the professor.

Master of Education Program - Concentration in English Education

Department Chair: Dr. James Boe, jim.boe@vcsu.edu, (701) 845-7304

Faculty Contact: Dr. J. Gregory Brister, greg.brister@vcsu.edu, (701) 845-7317

Department Office: McFarland Hall 327E, (701) 845-7303

Valley City State University has designed this concentration for teachers of English wishing to pursue a master's degree. The curriculum is structured around a set of core requirements that provide a broad foundation in education, research, and technology.

Curriculum in this concentration is designed to help secondary school educators become more effective users of technology in the English classroom and enhance the learning experience for their students. The coursework can also apply in situations where states require an advanced degree with a focus on a specific content area.

Concentration Requirements

The Master of English Education requires 35 hours of coursework, an action research report, and an oral defense of a comprehensive portfolio. The curriculum is structured around a set of core requirements that provide a broad foundation in education, research and technology. All M.Ed. students are required to complete 12 hours of core courses and three hours of Special Program Courses

Code	Title	Credits
Core Required Courses		
EDUC 610	Research in Education	3
EDUC 625	Issues in School, Community, and Family	3
EDUC 640	Supervision and Assessment of Teachers and Learners	3
EDUC 657	Exceptionality, Diversity, and Differences	3
Required Courses		
ENGL 650	Studies in British Literature	3
ENGL 653	Language and Culture	3
ENGL 660	Studies in American Literature	3
ENGL 664	Literature and Literacy for Children and Young Adults	3
ENGL 676	Research in Teaching Writing	3
ENGL 680	Teaching College English	3
EDUC 685	Action Research in Education	3
Special Program Requirements		
ENGL 689	Research Application	1
ENGL 698	Capstone	2
Total Credits		36

Total Core 12 Hrs

Total Required 21 Hrs

Total Special Program Requirements 3 Hrs

Total Credits Needed to Graduate 36 Hrs

Course Rotation

ENGLISH EDUCATION

ENGLISH EDUCATION					
CORE	12 hours				
EDUC 610	Research in Education (3)	Fall	Spring	Summer	
EDUC 625	Issues in School, Community, and Family (3)	Fall	Spring	Summer	
EDUC 640	Supervision and Assessment of Teachers & Learners (3)	Fall	Spring	Summer	
EDUC 657	Exceptionality, Diversity, and Difference (3)	Fall	Spring	Summer	
REQUIRED	21 hours				
ENGL 650	Studies in British Literature (3)	Fall Even			
ENGL 653	Language and Culture (3)				Summer
ENGL 660	Studies in American Literature (3)				Summer Odd
ENGL 664	Literature & Literacy for Children & Young Ad (3)	Fall			
ENGL 676	Research in Teaching Writing (3)		Spring Odd		
ENGL 680	Teaching College English (3)		Spring Even		
EDUC 685	Action Research (3)	Fall	Spring		
SPECIAL PROGRAM	3 hours				
ENGL 689	Research Application (1)	Fall	Spring	Summer	
ENGL 698	Capstone (2)	Fall	Spring	Summer	

FALL Program of Study							
	FALL (e)	SPRING (o)	SUMMER (o)	FALL (o)	SPRING (e)	SUMMER (e)	FALL (e)
Even year start	EDUC 610 ENGL 650	EDUC 685 ENGL 676	EDUC 625 ENGL 660	EDUC 657 ENGL 664	EDUC 640 ENGL 680	ENGL 689 ENGL 698 ENGL 653	
Odd year start	FALL (o) EDUC 610 ENGL 664	SPRING (e) EDUC 685 ENGL 680	SUMMER (e) EDUC 625 ENGL 653	FALL (e) EDUC 657 ENGL 650	SPRING (o) EDUC 640 ENGL 676	SUMMER (o) ENGL 689 ENGL 698 ENGL 660	FALL (o)

SPRING Program of Study							
	SPRING (e)	SUMMER (e)	FALL (e)	SPRING (o)	SUMMER (o)	FALL (o)	SPRING (e)
Even year start	EDUC 610 ENGL 680	EDUC 625 ENGL 653	EDUC 685 ENGL 650	EDUC 657 ENGL 676	EDUC 640 ENGL 660	ENGL 689 ENGL 698	
Odd year start	SPRING (o) EDUC 610 ENGL 676	SUMMER (o) EDUC 625 ENGL 660	FALL (o) EDUC 685 ENGL 664	SPRING (e) EDUC 657 ENGL 680	SUMMER (e) EDUC 640 ENGL 653	FALL (e) ENGL 650 ENGL 689 ENGL 698	SPRING (o)

SUMMER Program of Study							
	SUMMER (e)	FALL (e)	SPRING (o)	SUMMER (o)	FALL (o)	SPRING (e)	SUMMER (e)
Even year start	EDUC 610 ENGL 653	EDUC 685 ENGL 650	EDUC 657 ENGL 676	EDUC 640 ENGL 660	EDUC 625 ENGL 664	ENGL 680 ENGL 689 ENGL 698	
Odd year start	SUMMER (o) EDUC 610 ENGL 660	FALL (o) EDUC 685 ENGL 664	SPRING (e) EDUC 657 ENGL 680	SUMMER (e) EDUC 640 ENGL 653	FALL (e) EDUC 625 ENGL 650	SPRING (o) ENGL 676 ENGL 689 ENGL 698	SUMMER (o)

Core Values/Learning Outcomes

1. Effective use of Instructional Technologies
2. Expertise in Research, particularly Action Research
3. Expertise in Assessment
4. Supervisor/Leader/Coach
5. Expertise in Curriculum/Instruction
6. Diversity/Global Awareness

The program's Core Values and National Board of Professional Teaching Standards lay the broad foundation for the overall program design. Specific objectives are then addressed in each course, based on its curriculum. At the course level, the required projects and activities provide a rich and diverse collection of opportunities for assessment of student knowledge and understanding by the professor.

Master of Education Program - Concentration in Library and Information Technologies (LIT)

Department Chair: Dr. James Boe, jim.boe@vcsu.edu, (701) 845-7304

Faculty Contact: Donna James, donna.james@vcsu.edu, (701) 845-7303

Department Office: McFarland Hall 327E, (701) 845-7303

Field Experience Coordinator: Buffy Edwards, buffy.edwards@vcsu.edu, (701)-845-7303

Valley City State University (VCSU) has designed this concentration for teachers at either primary or secondary levels wishing to pursue a master's degree. The VCSU master's degree with the LIT Concentration is accredited by CAEP and follows the ALA/AASL Standards for Initial Preparation of School Librarians. The curriculum meets North Dakota Department of Public Instruction standards for the preparation of library media specialists at the highest credential level—LM01.

Concentration Requirements

The Master of Education in Library and Information Technologies requires 39 hours of coursework, an action research report, 120 hours of customized field experience, and oral defense of a comprehensive portfolio. The curriculum is structured around a set of core requirements that provide a broad foundation in education, research and technology. All students are required to complete 12 hours of core courses:

Code	Title	Credits
Core Required Courses		
EDUC 610	Research in Education	3
EDUC 625	Issues in School, Community, and Family	3
EDUC 640	Supervision and Assessment of Teachers and Learners	3
EDUC 657	Exceptionality, Diversity, and Differences	3
Required Courses		
LMIS 660	Applied Research in School Libraries	3
LMIS 664	Literature and Literacy for Children and Young Adults	3
LMIS 670	Integrating Information Literacy and Research Standards	3
LMIS 676	Contemporary Cataloging for the School Library	3

LMIS 677	Collection Development for the 21st Century School Library	3
LMIS 680	Using Information Resources	3
LMIS 687	Administering and Evaluating Program Resources	3
LMIS 688	Collaboration, Management, and Leadership	3
These courses are designed to support the student in completing graduation requirements culminating in the program's core values as outcomes.		
Special Program Requirements		
LMIS 689	Research Application	1
LMIS 698	Capstone	2
Total Credits		39

Total Core 12 Hrs

Total Required 24 Hrs

Total Special Program Requirements 3 Hrs

Total Credits Needed to Graduate 39 Hrs

Course Rotation

LIBRARY & INFORMATION TECHNOLOGIES

Course Rotation and Sample Plan of Study

As the name implies, this is a Sample Plan of Study based on when you enter the program and assuming 6 credits taken per semester/each semester. Your plan will be customized to suit your needs. However, this document can assist you in completing your own customized Plan of Study to submit to your advisor.

LIBRARY & INFORMATION TECHNOLOGIES				
CORE	12 hours	Fall	Spring	Summer
EDUC 610	Research in Education (3)	Fall		Summer
EDUC 625	Issues in School, Community, and Family (3)	Fall		Summer
EDUC 640	Supervision and Assessment of Teachers & Learners (3)		Spring	Summer
EDUC 657	Exceptionality, Diversity, and Difference (3)	Fall	Spring	
REQUIRED 24 hours				
LMIS 660	Applied Research in Current School Library Issues (3)	Fall		
LMIS 664	Literature and Literacy for Child & Young Adults (3)	Fall		
LMIS 670	Integrating Information Literacy & Research Stand (3)	Fall		
LMIS 676	Contemporary Cataloging for the School Library (3)			Summer
LMIS 677	Collection Development for 21st Century School Lib (3)			Summer
LMIS 680	Using Information Resources (3)		Spring	
LMIS 687	Administering and Evaluating Program Resources (3)			Summer
LMIS 688	Collaboration, Management and Leadership (3)		Spring	
SPECIAL PROGRAM 3 hours				
LMIS 689	Research Application (1)	Fall	Spring	Summer
LMIS 698	Capstone (2)	Fall	Spring	Summer

FALL Program of Study						
FALL	SPRING	SUMMER	FALL	SPRING	SUMMER	FALL
EDUC 610	EDUC 640	LMIS 676	EDUC 625	LMIS 688	LMIS 687	LMIS 664
LMIS 670	LMIS 680	LMIS 677	LMIS 660	EDUC 657	LMIS 689	LMIS 698
6 credits	6 credits	6 credits	6 credits	6 credits	4 credits	5 credits

SPRING Program of Study						
SPRING	SUMMER	FALL	SPRING	SUMMER	FALL	SPRING
EDUC 610	EDUC 625	EDUC 657	EDUC 640	LMIS 687	LMIS 664	LMIS 698
LMIS 680	LMIS 677	LMIS 670	LMIS 688	LMIS 676	LMIS 660	LMIS 689
6 credits	6 credits	6 credits	6 credits	6 credits	6 credits	3 credits

SUMMER Program of Study						
SUMMER	FALL	SPRING	SUMMER	FALL	SPRING	SUMMER
EDUC 610	EDUC 625	EDUC 640	LMIS 676	LMIS 664	LMIS 688	LMIS 698
LMIS 677	LMIS 670	LMIS 680	LMIS 687	LMIS 660	EDUC 657	LMIS 689
6 credits	6 credits	6 credits	6 credits	6 credits	6 credits	3 credits

Core Values/Learning Outcomes

1. Effective use of Instructional Technologies
2. Expertise in Research, particularly Action Research
3. Expertise in Assessment
4. Supervisor/Leader/Coach
5. Expertise in Curriculum/Instruction
6. Diversity/Global Awareness

The program's Core Values and National Board of Professional Teaching Standards lay the broad foundation for the overall program design. Specific objectives are then addressed in each course, based on its curriculum. At the

course level, the required projects and activities provide a rich and diverse collection of opportunities for assessment of student knowledge and understanding by the professor.

Master of Education Program - Concentration in Teaching English Language Learners (ELL)

Department Chair: Dr. James Boe, jim.boe@vcsu.edu, (701) 845-7304

Department Office: McFarland Hall 327E, (701) 845-7303

Capitalizing on the university's excellent reputation and historic role in teacher preparation this concentration serves teachers who seek the ELL endorsement at the graduate level. The program meets the requirements of the North Dakota Education Standards and Practices Board (ESPB), offers a viable online graduate program option to teachers outside the state seeking to improve their credentials, and enhances the educational opportunities for teachers in reservation school districts and tribal colleges in the region by providing graduate-level ELL content embedded in a master's degree.

Concentration Requirements

The Master of Education in English Language Learners requires 34 hours of coursework, an action research report, and the oral defense of a comprehensive portfolio. The curriculum is structured around a set of core requirements that provide a broad foundation in education, research, and technology. All M.Ed. students are required to complete 12 hours of core courses.

Code	Title	Credits
Core Required Courses		
EDUC 610	Research in Education	3
EDUC 625	Issues in School, Community, and Family	3
EDUC 640	Supervision and Assessment of Teachers and Learners	3
EDUC 657	Exceptionality, Diversity, and Differences	3
Required Courses		
EDUC 660	Assessment Strategies for ELL	2
EDUC 663	Methods of Teaching ELL	2
EDUC 670	Second Language Acquisition	2
EDUC 673	Foundations of Bilingual Education	2
EDUC 685	Action Research in Education	3
EDUC 693	ELL Teaching Practicum	2
ENGL 653	Language and Culture	3
ENGL 673	Linguistics for ELL Teachers	3

These courses are designed to support the student in completing graduation requirements culminating in the program's core values as outcomes.

Special Program Requirements		
EDUC 689	Research Application	1
EDUC 698	Capstone	2
Total Credits		34

Total Core 12 Hrs

Total Required 19 Hrs

Total Special Program Requirements 3 Hrs

Total Credits Needed to Graduate 34 Hrs

Course Rotation

TEACHING ELL

TEACHING ENGLISH LANGUAGE LEARNERS					
CORE	12 hours				
EDUC 610	Research in Education (3)	Fall	Spring	Summer	
EDUC 625	Issues in School, Community, and Family (3)	Fall	Spring	Summer	
EDUC 640	Supervision and Assessment of Teachers & Learners (3)	Fall	Spring	Summer	
EDUC 657	Exceptionality, Diversity, and Difference (3)	Fall	Spring	Summer	
REQUIRED	19 hours				
EDUC 660	Authentic Assessment Strategies & Eval. of ELLs (2)	Fall (odd)	Spring (even)	Summer	
EDUC 663	Methods of Teach English and Academic Content to ELLs (2)	Fall (even)	Spring (odd)	Summer	
EDUC 670	Second Language Acquisition (2)	Fall (even)	Spring (odd)	Summer	
EDUC 673	Foundations of Bilingual Ed & Bilingualism (2)	Fall (odd)	Spring (even)	Summer	
EDUC 685	Action Research (3)	Fall	Spring	Summer	
EDUC 693	ELL Practicum (2)	Fall	Spring	Summer	
ENGL 653	Language and Culture (3)	Fall	Spring	Summer	
ENGL 673	Linguistics for ELL Teachers (3)	Fall	Spring	Summer	
SPECIAL PROGRAM	3 hours				
EDUC 689	Research Application (1)	Fall	Spring	Summer	
EDUC 698	Capstone (2)	Fall	Spring	Summer	

FALL Program of Study						
	FALL	SPRING	SUMMER	FALL	SPRING	SUMMER
Even year start	EDUC 610 EDUC 670	EDUC 685 ENGL 673	EDUC 625 EDUC 673 ENGL 653	EDUC 657 EDUC 660	EDUC 693 EDUC 663	EDUC 698 EDUC 689 EDUC 540
Odd year start	EDUC 610 EDUC 660	EDUC 685 EDUC 663	EDUC 625 EDUC 673 ENGL 653	EDUC 657 EDUC 670	EDUC 693 ENGL 673	EDUC 698 EDUC 689 EDUC 640
SPRING Program of Study						
	SPRING	SUMMER	FALL	SPRING	SUMMER	FALL
Even year start	EDUC 610 EDUC 663	EDUC 625 ENGL 653	EDUC 685 EDUC 670 EDUC 693	EDUC 657 ENGL 673	EDUC 640 EDUC 673	EDUC 698 EDUC 689 EDUC 660
Odd year start	EDUC 610 ENGL 673	EDUC 625 ENGL 653	EDUC 685 EDUC 660 EDUC 693	EDUC 657 EDUC 663	EDUC 640 EDUC 673	EDUC 698 EDUC 689 EDUC 670
SUMMER Program of Study						
	SUMMER	FALL	SPRING	SUMMER	FALL	SPRING
Even year start	EDUC 610 ENGL 653	EDUC 685 EDUC 670	ENGL 673 EDUC 693 EDUC 657	EDUC 640 EDUC 673	EDUC 625 EDUC 660	EDUC 663 EDUC 698 EDUC 689
Odd year start	EDUC 610 ENGL 653	EDUC 685 EDUC 660	ENGL 673 EDUC 693 EDUC 657	EDUC 640 EDUC 673	EDUC 625 EDUC 670	ENGL 673 EDUC 698 EDUC 689

Credits Core Values/Learning Outcomes

1. Effective use of Instructional Technologies
2. Expertise in Research, particularly Action Research
3. Expertise in Assessment
4. Supervisor/Leader/Coach
5. Expertise in Curriculum/Instruction
6. Diversity/Global Awareness

The program's Core Values and National Board of Professional Teaching Standards lay the broad foundation for the overall program design. Specific objectives are then addressed in each course, based on its curriculum. At the course level, the required projects and activities provide a rich and diverse collection of opportunities for assessment of student knowledge and understanding by the professor.

Master of Education Program - Concentration in Teaching & Technology (T&T)

Department Chair: Dr. James Boe, jim.boe@vcsu.edu, (701) 845-7304

Faculty Contact: Dr. Heather Kvilvang, heather.kvilvang@vcsu.edu, (701) 845-7199

Department Office: McFarland Hall 327E, (701) 845-7303

VCSU has designed this concentration for teachers at either primary or secondary levels wishing to pursue a master's degree. It is a unique program, not only in the state, but also in the country. Curriculum focuses on the use of technologies to enrich teaching and learning and provides content specific course work in some subject areas.

Options are available with focused content that includes: Teaching and Learning, Communication, History Education, Physical Education, and Mathematics Education. Curriculum in this concentration is set up to provide students with an understanding of the National Educational Technology Standards (NETS) as defined by the International Society for Technology in Education (ISTE).

Concentration Requirements

The Master of Education in Teaching and Technology requires 32-36 hours of coursework, an action research report, and an oral defense of a comprehensive portfolio. The curriculum is structured around a set of core requirements that provide a broad foundation in education, research and technology. All options in this program require 14 hours of core courses. Note: Options 2-5 require 18 credits of advanced coursework in the content area to qualify to teach college level coursework or dual credit.

Code	Title	Credits
Core Required Courses		
EDUC 610	Research in Education	3
EDUC 625	Issues in School, Community, and Family	3
or EDUC 621	School Law and Organizational Structure of Education	
EDUC 640	Supervision and Assessment of Teachers and Learners	3
or EDUC 623	Personnel, Supervision and Staff Development	
EDUC 657	Exceptionality, Diversity, and Differences	3
EDUC 698	Capstone	2
or EDUC 688	Leadership Capstone	
Total Credits		14

Student must select one of the options to complete the concentration in Teaching and Technology

Option 1: Teaching and Learning Courses

Code	Title	Credits
EDUC 635	Technology for Learning	3
EDUC 650	Field Design and Implementation	3
EDUC 675	Teaching with 21st Century Tools	3
EDUC 685	Action Research in Education	3
EDUC 689	Research Application	1
Elective Courses		
Select six hours from the following:		6
EDUC 642	Supervision of Student Teachers	
EDUC 665	Learning Theory and Instructional Design	
STEM ED 660	Design for Engineering	
STEM ED 665	Invention and Innovation	
STEM ED 670	Design, Technology, and Engineering for Elementary	
Total Credits		19

Option 2: Communication Courses

Code	Title	Credits
COMM 611	Communication Theory	3
COMM 630	Instructional Communication and Technology	3
COMM 645	Media Uses and Effects	3
COMM 650	Advanced Interpersonal Communication	3
COMM 655	Advanced Intercultural Communication	3
COMM 660	Group Communication, Team Building, and Leadership	3
EDUC 685	Action Research in Education	3
EDUC 689	Research Application	1
Total Credits		22

Option 3: History Education Courses

Code	Title	Credits
HIST 610	Thinking Historically: Skills and Sources	3
HIST 620	French Revolution and the Age of Napoleon	3
HIST 630	Democracy and Democratization	3
HIST 640	The World Wars	3
HIST 650	Readings in American History	3
HIST 660	Readings in World History	3
EDUC 685	Action Research in Education	3
EDUC 689	Research Application	1
Total Credits		22

Option 4: Health and Physical Education Courses

Code	Title	Credits
HPER 610	Motor Learning	3
HPER 620	Current Literature in Health and Physical Education	3
HPER 630	Advanced Developmental Adapted Physical Education	3
HPER 640	Advanced Techniques in Teaching Health and Physical Education	3
HPER 650	Curriculum Development and Evaluation in Health and Physical Education	3
HPER 660	Leadership and Supervision in Health and Physical Education	3
EDUC 685	Action Research in Education	3

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EDUC 689	Research Application	1
Total Credits		22

Option 5: Mathematics Education Courses

Code	Title	Credits
MATH 608	History and Philosophy of Mathematics for Teachers	3
MATH 613	Algebra for Teachers	3
MATH 614	Geometry for Teachers	3
MATH 621	Probability and Statistics for Teachers	3
MATH 665	Calculus for Teachers	3
MATH 690	Trends, Methods, and Technology in Mathematics Education	3
or other MATH courses approved by Graduate Studies		
EDUC 685	Action Research in Education	3
EDUC 689	Research Application	1
Total Credits		22

Option 6: Teacher Leadership Courses

Code	Title	Credits
EDUC 620	Leadership, Planning and Organizational Behavior	3
EDUC 622	Personal Communication and Ethics in Education	3
EDUC 630	Principles of Teaching and Learning in Secondary	3
or EDUC 631	Principles of Teaching and Learning in Elementary	
EDUC 635	Technology for Learning	3
EDUC 665	Learning Theory and Instructional Design	3
EDUC 685	Action Research in Education	3
Total Credits		18

Total Core 14 Hrs
Total Required 12-22 Hrs
Total Electives 0-6 Hrs
Total Credits Needed to Graduate 32-36 Hrs

Course Rotation

TEACHING AND TECHNOLOGY (Teaching & Learning)

OPTION 1	TEACHING & LEARNING				
CORE	14 hours				
EDUC 610	Research in Education (3)	Fall	Spring	Summer	
EDUC 625	Issues in School, Community, and Family (3)	Fall	Spring	Summer	
EDUC 640	Supervision and Assessment of Teachers & Learners (3)	Fall	Spring	Summer	
EDUC 657	Exceptionality, Diversity, and Difference (3)	Fall	Spring	Summer	
EDUC 698	Capstone (2)	Fall	Spring	Summer	
REQUIRED	13 hours				
EDUC 635	Technology for Learning (3)		Spring		
EDUC 650	Field Design and Implementation (3)	Fall			Summer
EDUC 675	Teaching with 21st Century Tools (3)				Summer
EDUC 685	Action Research in Education (3)	Fall	Spring		
EDUC 689	Research Application (1)	Fall	Spring	Summer	
ELECTIVES	6 hours				
EDUC 642	Supervision of Student Teachers (3)				Summer
EDUC 665	Learning Theory and Instructional Design (3)	Fall			
STEMED 660	Design for Engineering (3)	Fall			
STEMED 665	Invention and Innovation (3)				Summer
STEMED 670	Design, Technology, and Engineering for Elem (3)		Spring		

FALL Program of Study					
FALL	SPRING	SUMMER	FALL	SPRING	SUMMER
EDUC 610	EDUC 685	EDUC 675	EDUC 625	EDUC 657	EDUC 698
EDUC 665 or STEMED 660	EDUC 640	EDUC 642 or STEMED 665	EDUC 650	EDUC 635	EDUC 689

SPRING Program of Study					
SPRING	SUMMER	FALL	SPRING	SUMMER	FALL
EDUC 610	EDUC 625	EDUC 685	EDUC 657	EDUC 640	EDUC 698
EDUC 635	EDUC 675	EDUC 650	STEMED 670	EDUC 642 or STEMED 665	EDUC 689

SUMMER Program of Study					
SUMMER	FALL	SPRING	SUMMER	FALL	SPRING
EDUC 610	EDUC 685	EDUC 657	EDUC 640	EDUC 650	EDUC 698
EDUC 675	EDUC 665 or STEMED 660	EDUC 635	EDUC 642 or STEMED 665	EDUC 625	EDUC 689

TEACHING AND TECHNOLOGY (Communication Option)

OPTION 2	COMMUNICATION				
CORE	14 hours				
EDUC 610	Research in Education (3)	Fall	Spring	Summer	
EDUC 625	Issues in School, Community, and Family (3)	Fall	Spring	Summer	
EDUC 640	Supervision and Assessment of Teachers & Learners (3)		Spring	Summer	
EDUC 657	Exceptionality, Diversity, and Difference (3)	Fall	Spring	Summer	
EDUC 698	Capstone (2)	Fall	Spring	Summer	
REQUIRED	22 hours				
COMM 611	Communication Theory (3)			Spring Even	
COMM 630	Instructional Communication and Technology (3)	Fall Even			
COMM 645	Media Uses and Effects (3)		Spring Odd		
COMM 650	Advanced Interpersonal Communication (3)				Summer Even
COMM 655	Advanced Intercultural Communication (3)	Fall Odd			
COMM 660	Group Communication, Team Building, and Leadership (3)				Summer Odd
EDUC 685	Action Research (3)	Fall	Spring		
EDUC 689	Research Application (1)	Fall	Spring	Summer	

FALL Program of Study						
	FALL (e)	SPRING (o)	SUMMER (o)	FALL (o)	SPRING (e)	SUMMER (e)
Even year start	EDUC 610 COMM 630	EDUC 685 COMM 645	EDUC 625 COMM 660	EDUC 657 COMM 655	EDUC 640 COMM 611	EDUC 698 EDUC 689 COMM 650
Odd year start	FALL (o) EDUC 610 COMM 655	SPRING (e) EDUC 685 COMM 611	SUMMER (e) EDUC 625 COMM 650	FALL (e) EDUC 657 COMM 630	SPRING (o) EDUC 640 COMM 645	SUMMER (o) EDUC 698 EDUC 689 COMM 660

SPRING Program of Study						
	SPRING (e)	SUMMER (e)	FALL (e)	SPRING (o)	SUMMER (o)	FALL (o)
Even year start	EDUC 610 COMM 611	EDUC 625 COMM 650	EDUC 685 COMM 630	EDUC 657 COMM 645	EDUC 640 COMM 660	EDUC 698 EDUC 689 COMM 655
Odd year start	SPRING (o) EDUC 610 COMM 645	SUMMER (o) EDUC 625 COMM 660	FALL (o) EDUC 685 COMM 655	SPRING (e) EDUC 657 COMM 611	SUMMER (e) EDUC 640 COMM 650	FALL (e) EDUC 698 EDUC 689 COMM 630

SUMMER Program of Study						
	SUMMER (e)	FALL (e)	SPRING (o)	SUMMER (o)	FALL (o)	SPRING (e)
Even year start	EDUC 610 COMM 650	EDUC 685 COMM 630	EDUC 640 COMM 645	EDUC 625 COMM 660	EDUC 657 COMM 655	EDUC 698 EDUC 689 COMM 611
Odd year start	SUMMER (o) EDUC 610 COMM 660	FALL (o) EDUC 685 COMM 655	SPRING (e) EDUC 640 COMM 611	SUMMER (e) EDUC 625 COMM 650	FALL (e) EDUC 657 COMM 630	SPRING (o) EDUC 698 EDUC 689 COMM 645

TEACHING AND TECHNOLOGY (History Option)

OPTION 3	HISTORY			
CORE	14 hours	Fall	Spring	Summer
EDUC 610	Research in Education (3)	Fall	Spring	Summer
EDUC 625	Issues in School, Community, and Family (3)	Fall		Summer
EDUC 640	Supervision and Assessment of Teachers & Learners (3)		Spring	Summer
EDUC 657	Exceptionality, Diversity, and Difference (3)	Fall	Spring	
EDUC 698	Capstone (2)	Fall	Spring	Summer
REQUIRED	22 hours			
HIST 610	Thinking Historically: Skills and Sources (3)			Summer (odd)
HIST 620	French Revolution and the Age of Napoleon	Fall (odd)		
HIST 630	Democracy and Democratization (3)		Spring (odd)	
HIST 640	The World Wars (3)	Fall (even)		
HIST 650	Readings in American History (3)			Summer (even)
HIST 660	Readings in World History (3)		Spring (even)	
EDUC 685	Action Research (3)	Fall	Spring	
EDUC 689	Research Application (1)	Fall	Spring	Summer

FALL Program of Study

	FALL (e)	SPRING (o)	SUMMER (o)	FALL (o)	SPRING (e)	SUMMER (e)
Even year start	EDUC 610 HIST 640	EDUC 640 HIST 630	EDUC 625 HIST 610	EDUC 657 HIST 620	EDUC 685 HIST 660	HIST 650 EDUC 689 EDUC 698
Odd year start	EDUC 610 HIST 620	EDUC 685 HIST 660	EDUC 625 HIST 650	EDUC 657 HIST 640	EDUC 640 HIST 630	HIST 610 EDUC 689 EDUC 698

SPRING Program of Study

	SPRING (e)	SUMMER (e)	FALL (e)	SPRING (o)	SUMMER (o)	FALL (o)
Even year start	EDUC 657 HIST 660	EDUC 610 HIST 650	EDUC 685 HIST 640	EDUC 640 HIST 630	EDUC 625 HIST 610	HIST 620 EDUC 689 EDUC 698
Odd year start	EDUC 640 HIST 630	EDUC 610 HIST 610	EDUC 685 HIST 620	EDUC 657 HIST 660	EDUC 625 HIST 650	HIST 640 EDUC 689 EDUC 698

SUMMER Program of Study

	SUMMER (e)	FALL (e)	SPRING (o)	SUMMER (o)	FALL (o)	SPRING (e)
Even year start	EDUC 610 HIST 650	EDUC 685 HIST 640	EDUC 640 HIST 630	EDUC 625 HIST 610	EDUC 657 HIST 620	HIST 660 EDUC 689 EDUC 698
Odd year start	EDUC 610 HIST 610	EDUC 685 HIST 620	EDUC 657 HIST 660	EDUC 640 HIST 650	EDUC 625 HIST 640	HIST 630 EDUC 689 EDUC 698

TEACHING AND TECHNOLOGY (Health and PE Option)

OPTION 4	HEALTH AND PHYSICAL EDUCATION			
CORE	14 hours	Fall	Spring	Summer
EDUC 610	Research in Education (3)	Fall	Spring	Summer
EDUC 625	Issues in School, Community, and Family (3)	Fall		Summer
EDUC 640	Supervision and Assessment of Teachers & Learners (3)		Spring	Summer
EDUC 657	Exceptionality, Diversity, and Difference (3)	Fall	Spring	
EDUC 698	Capstone (2)	Fall	Spring	Summer
REQUIRED	22 hours			
HPER 610	Motor Learning (3)	Fall		
HPER 620	Current Literature in Health and Phys. Educ.(3)		Spring	
HPER 630	Advanced Developmental Adapted Phys. Educ. (3)			Summer
HPER 640	Advanced Techniques in Teaching Health and Phys. Ed. (3)	Fall		
HPER 650	Curriculum Development and Eval. In Health and PE (3)		Spring	
HPER 660	Leadership and Supervision in Health and Phys. Ed. (3)			Summer
EDUC 685	Action Research (3)	Fall	Spring	
EDUC 689	Research Application (1)	Fall	Spring	Summer

FALL Program of Study

FALL	SPRING	SUMMER	FALL	SPRING	SUMMER
EDUC 610	EDUC 685	EDUC 640	EDUC 625	EDUC 657	EDUC 698
HPER 610	HPER 620	HPER 630	HPER 640	HPER 650	EDUC 689 HPER 660

SPRING Program of Study

SPRING	SUMMER	FALL	SPRING	SUMMER	FALL
EDUC 610	EDUC 625	EDUC 685	EDUC 657	EDUC 640	EDUC 698
HPER 620	HPER 630	HPER 610	HPER 650	HPER 660	EDUC 689 HPER 640

SUMMER Program of Study

SUMMER	FALL	SPRING	SUMMER	FALL	SPRING
EDUC 610	EDUC 685	EDUC 657	EDUC 640	EDUC 625	EDUC 698
HPER 630	HPER 610	HPER 620	HPER 660	HPER 640	EDUC 689 HPER 650

TEACHING AND TECHNOLOGY (Mathematics Option)

OPTION 5	MATHEMATICS			
CORE	14 hours	Fall	Spring	Summer
EDUC 610	Research in Education (3)	Fall	Spring	Summer
EDUC 625	Issues in School, Community, and Family (3)	Fall		Summer
EDUC 640	Supervision and Assessment of Teachers & Learners (3)		Spring	Summer
EDUC 657	Exceptionality, Diversity, and Difference (3)	Fall	Spring	
EDUC 698	Capstone (2)	Fall	Spring	Summer
REQUIRED	22 hours			
MATH 613	Algebra for Teachers	Fall (odd)		
MATH 614	Geometry for Teachers		Spring (even)	
MATH 621	Probability & Statistics for Teachers			Summer (even)
MATH 690	Trends, Methods, & Technology in Mathematics Educ.	Fall (even)		
MATH 608	History & Philosophy of Mathematics for Teachers		Spring (odd)	
MATH 665	Calculus for Teachers			Summer (odd)
EDUC 685	Action Research (3)	Fall	Spring	
EDUC 689	Research Application (1)	Fall	Spring	Summer

FALL Program of Study

	FALL (e)	SPRING (o)	SUMMER (o)	FALL (o)	SPRING (e)	SUMMER (e)
Even year start	EDUC 610 MATH 690	EDUC 685 MATH 608	EDUC 625 MATH 665	EDUC 657 MATH 613	EDUC 640 MATH 614	MATH 621 EDUC 689 EDUC 698
Odd year start	EDUC 610 MATH 613	EDUC 685 MATH 614	EDUC 625 MATH 621	EDUC 657 MATH 690	EDUC 640 MATH 608	MATH 665 EDUC 689 EDUC 698

SPRING Program of Study

	SPRING (e)	SUMMER (e)	FALL (e)	SPRING (o)	SUMMER (o)	FALL (o)
Even year start	EDUC 657 MATH 614	EDUC 610 MATH 621	EDUC 685 MATH 690	EDUC 640 MATH 608	EDUC 665 MATH 621	MATH 613 EDUC 689 EDUC 698
Odd year start	EDUC 657 MATH 608	EDUC 610 MATH 665	EDUC 685 MATH 613	EDUC 640 MATH 614	EDUC 625 MATH 621	MATH 690 EDUC 689 EDUC 698

SUMMER Program of Study

	SUMMER (e)	FALL (e)	SPRING (o)	SUMMER (o)	FALL (o)	SPRING (e)
Even year start	EDUC 610 MATH 621	EDUC 685 MATH 690	EDUC 640 MATH 608	EDUC 625 MATH 665	EDUC 657 MATH 613	MATH 614 EDUC 689 EDUC 698
Odd year start	EDUC 610 MATH 665	EDUC 685 MATH 613	EDUC 640 MATH 614	EDUC 625 MATH 621	EDUC 657 MATH 690	MATH 608 EDUC 689 EDUC 698

Core Values/Learning Outcomes

1. Effective use of Instructional Technologies
2. Expertise in Research, particularly Action Research
3. Expertise in Assessment
4. Supervisor/Leader/Coach
5. Expertise in Curriculum/Instruction
6. Diversity/Global Awareness

The program's Core Values and National Board of Professional Teaching Standards lay the broad foundation for the overall program design. Specific objectives are then addressed in each course, based on its curriculum. At the course level, the required projects and activities provide a rich and diverse collection of opportunities for assessment of student knowledge and understanding by the professor.

Master of Education Program - Concentration in Technology Education (Tech Ed)

Department Chair: Dr. James Boe, jim.boe@vcsu.edu, (701) 845-7304

Faculty Contact: Jason Dockter, jason.dockter@vcsu.edu, (701) 845-7447

Department Office: McFarland Hall 327E, (701) 845-7303

Valley City State University (VCSU) has designed this concentration for primary and secondary level educators wishing to pursue a master's degree in Technology Education or Career and Technical Education. Curriculum in the courses is set up to be consistent with the Standards for Technological Literacy defined by the International Technology and Engineering Educators Association (ITEEA) as well as the North Dakota Department of Career and Technical Education.

Concentration Requirements

The Master of Education in Technology Education requires 36 hours of coursework, an action research report and an oral defense of a comprehensive portfolio. The curriculum is structured around a set of core requirements that provide a broad foundation in education, research, and technology. All M. Ed students are required to complete 12 hours of core courses and three hours of Special Program Courses.

Code	Title	Credits
Core Required Courses		
EDUC 610	Research in Education	3
EDUC 625	Issues in School, Community, and Family	3
EDUC 640	Supervision and Assessment of Teachers and Learners	3
EDUC 657	Exceptionality, Diversity, and Differences	3
These courses are designed to support the student in completing graduation requirements culminating in the program's core values as outcomes.		
Special Program Requirements		
TECH 689	Research Application	1
TECH 698	Capstone	2
Select one of the following options:		21
Secondary STEM Education		
Elementary STEM Education		
Career and Technical Education		
Total Credits		36

Student must select one of the options to complete the concentration in Technology Education.

Option 1: Secondary STEM Education Required Courses

Code	Title	Credits
STEM ED 650	STEM Curriculum and Methods	3
STEM ED 660	Design for Engineering	3
STEM ED 665	Invention and Innovation	3
STEM ED 670	Design, Technology, and Engineering for Elementary	3
STEM ED 680	Building Math	3
or STEM ED 682	Engineering the Future	
TECH 675	Research and Assessment in Technology Education	3
Elective Courses		
TECH 688	Safety and Management in the Technology Laboratory	3
or EDUC 635	Technology for Learning	

Option 2: Elementary STEM Education Required Courses

Code	Title	Credits
STEM ED 655	STEM Curriculum and Methods in Elementary	3
STEM ED 670	Design, Technology, and Engineering for Elementary	3
STEM ED 671	Inquiry Based Thematic Instruction	3
STEM ED 680	Building Math	3
TECH 675	Research and Assessment in Technology Education	3
Elective Courses		
Select six hours from the following:		6
STEM ED 665	Invention and Innovation	
TECH 688	Safety and Management in the Technology Laboratory	
EDUC 635	Technology for Learning	

Option 3: Career and Technical Education Required Courses

Code	Title	Credits
TECH 651	Curriculum Development in Career and Technical Education	3
TECH 652	Instructional Strategies in Training and Occupational Education	3
TECH 653	Trends and Issues in Occupational Education	3
TECH 654	Administration and Management in Career and Technical Education	3
TECH 675	Research and Assessment in Technology Education	3
Elective Courses		
Select six hours from the following:		6
STEM ED 680	Building Math	
STEM ED 682	Engineering the Future	
TECH 688	Safety and Management in the Technology Laboratory	
EDUC 635	Technology for Learning	
STEM ED 660	Design for Engineering	
STEM ED 665	Invention and Innovation	

Total Core 12 Credits

Total Required 15-18 Credits

Total Electives 3-6 Credits

Total Special Program Requirements 3 Credits

Total Credits Needed to Graduate 36 Credits

Course Rotation

TECHNOLOGY EDUCATION

OPTION 1	SECONDARY STEM EDUCATION				
CORE	12 hours				
EDUC 610	Research in Education (3)	Fall	Spring	Summer	
EDUC 625	Issues in School, Community, and Family (3)	Fall	Spring	Summer	
EDUC 640	Supervision and Assessment of Teachers & Learners (3)		Spring	Summer	
EDUC 657	Exceptionality, Diversity, and Difference (3)	Fall	Spring		
REQUIRED	18 hours				
TECH 675	Research and Assessment in Tech Ed (3)		Spring		
STEMED 650	Standards-Based Curriculum and Methods (3)	Fall			
STEMED 660	Design for Engineering (3)	Fall			
STEM ED 665	Invention and Innovation (3)			Summer	
STEMED 670	Design, Technology and Engineering for Elem (3)		Spring		
STEMED 680	Building Math (3)			Summer	
or					
STEMED 682	Engineering the Future (3)		Spring		
ELECTIVES	3 hours				
TECH 688	Safety and Management in the Tech Lab (3)			Summer	
EDUC 635	Technology for Learning (3)		Spring		
SPECIAL PROGRAM	3 hours				
TECH 689	Research Application (1)	Fall	Spring	Summer	
TECH 698	Capstone (2)	Fall	Spring	Summer	

Secondary STEM Education Option

FALL Program of Study					
FALL	SPRING	SUMMER	FALL	SPRING	SUMMER
EDUC 610	EDUC 657	STEMED 680	EDUC 625	EDUC 640	TECH 698
STEMED 650	TECH 675	STEMED 665	STEMED 660	STEMED 670	TECH 689
	STEMED 682	EDUC 625	EDUC 657		TECH 688

*The fall program of study has the option to take STEMED 682 or 680, but use the courses grouped by color.

SPRING Program of Study					
SPRING	SUMMER	FALL	SPRING	SUMMER	FALL
EDUC 610	EDUC 625	EDUC 657	EDUC 640	STEMED 680	TECH 698
STEM ED 670	STEMED 665	STEMED 650	TECH 675	TECH 688	TECH 689
				STEMED 660	

SUMMER Program of Study					
SUMMER	FALL	SPRING	SUMMER	FALL	SPRING
EDUC 610	EDUC 657	TECH 675	STEMED 680	EDUC 625	TECH 698
STEMED 665	STEMED 650	EDUC 640	TECH 688	STEMED 660	TECH 689
		or			STEMED 670 or
		STEMED 670			EDUC 640

TECHNOLOGY EDUCATION

OPTION 2	ELEMENTARY STEM EDUCATION				
CORE	12 hours				
EDUC 610	Research in Education (3)		Fall	Spring	Summer
EDUC 625	Issues in School, Community, and Family (3)		Fall		Summer
EDUC 640	Supervision and Assessment of Teachers & Learners (3)			Spring	Summer
EDUC 657	Exceptionality, Diversity, and Difference (3)		Fall	Spring	
REQUIRED	15 hours				
TECH 675	Research and Assessment in Tech Ed (3)			Spring	
STEMED 655	STEM Curriculum, and Methods, Elementary (3)		Fall		
STEMED 670	Design, Technology, and Engineering for Elem (3)			Spring	
STEMED 671	Inquiry Based Thematic Instruction (3)		Fall		
STEMED 680	Building Math (3)				Summer
ELECTIVES	6 hours				
TECH 688	Safety and Management in the Tech Lab (3)				Summer
STEM ED 665	Invention and Innovation				Summer
EDUC 635	Technology for Learning (3)			Spring	
SPECIAL PROGRAM	3 hours				
TECH 689	Research Application (1)		Fall	Spring	Summer
TECH 698	Capstone (2)		Fall	Spring	Summer

Elementary STEM Education Option

FALL Program of Study					
FALL	SPRING	SUMMER	FALL	SPRING	SUMMER
EDUC 610	EDUC 640	STEMED 680	EDUC 625	EDUC 657	TECH 698
STEMED 655	TECH 675	STEMED 665 or	STEMED 671	STEMED 670	TECH 689
		TECH 688			STEMED 665 or
					TECH 688

SPRING Program of Study					
SPRING	SUMMER	FALL	SPRING	SUMMER	FALL
STEMED 610	EDUC 640	STEMED 671	EDUC 657	STEMED 665	TECH 698
STEM ED 670	STEMED 680	STEMED 655	TECH 675	TECH 688	TECH 689
					EDUC 625

SUMMER Program of Study					
SUMMER	FALL	SPRING	SUMMER	FALL	SPRING
STEMED 680	EDUC 610	TECH 675	EDUC 640	EDUC 625	TECH 698
STEMED 665 or	STEMED 655	EDUC 657 or	STEMED 665 or	STEMED 671	TECH 689
TECH 688		STEMED 670	TECH 688		EDUC 657 or
					STEMED 670

TECHNOLOGY EDUCATION

OPTION 3	CAREER AND TECHNICAL EDUCATION				
CORE	12 hours				
EDUC 610	Research in Education (3)		Fall		Summer
EDUC 625	Issues in School, Community, and Family (3)		Fall	Spring	Summer
EDUC 640	Supervision and Assessment of Teachers & Learners (3)			Spring	Summer
EDUC 657	Exceptionality, Diversity, and Difference (3)		Fall	Spring	
REQUIRED	15 hours				
TECH 675	Research and Assessment in Tech Ed (3)			Spring	
TECH 651	Curriculum Development in CTE (3)			Spring (even)	
TECH 652	Instructional Strategies in Training & Occupational Ed (3)			Spring (odd)	
TECH 653	Trends and Issues in Occupational Ed (3)		Fall		
TECH 654	Admin. And Management in CTE (3)				Summer
ELECTIVES	6 hours				
STEMED 680	Building Math (3)				Summer
STEMED 682	Engineering the Future (3)			Spring	
STEMED 660	Design for Engineering (3)		Fall		
STEMED 665	Invention and Innovation (3)				Summer
TECH 688	Safety and Management in the Tech Lab (3)				Summer
EDUC 635	Technology for Learning (3)			Spring	
SPECIAL PROGRAM	3 hours				
TECH 689	Research Application (1)		Fall	Spring	Summer
TECH 698	Capstone (2)		Fall	Spring	Summer

Career and Technical Education Option

FALL Program of Study					
FALL	SPRING	SUMMER	FALL	SPRING	SUMMER
EDUC 610	TECH 651	TECH 654	EDUC 657	TECH 652	TECH 698
TECH 653	TECH 675	EDUC 640	STEMED 660 or	EDUC 625 or	TECH 689
			EDUC 625	STEMED 682	TECH 688 or
					STEMED 680 or
					STEMED 665

SPRING Program of Study					
SPRING	SUMMER	FALL	SPRING	SUMMER	FALL
TECH 651	TECH 654	TECH 653	TECH 652	EDUC 640	TECH 698
EDUC 657	EDUC 610	EDUC 625	TECH 675	TECH 688, or	TECH 689
				STEMED 665 or	STEMED 660
				STEMED 680	

SUMMER Program of Study					
SUMMER	FALL	SPRING	SUMMER	FALL	SPRING
EDUC 610	TECH 653	TECH 651	EDUC 640	EDUC 657	TECH 698
TECH 654	EDUC 625	TECH 675	TECH 688 or	STEMED 660	TECH 689
			STEMED 665 or		TECH 652
			STEMED 680		

Core Values/Learning Outcomes

1. Effective use of Instructional Technologies
2. Expertise in Research, particularly Action Research
3. Expertise in Assessment
4. Supervisor/Leader/Coach
5. Expertise in Curriculum/Instruction
6. Diversity/Global Awareness

The program's Core Values and National Board of Professional Teaching Standards lay the broad foundation for the overall program design. Specific objectives are then addressed in each course, based on its curriculum. At the course level, the required projects and activities provide a rich and diverse collection of opportunities for assessment of student knowledge and understanding by the professor.

Master of Science in Business Information Systems

Department Chair: Dr. James Boe, jim.boe@vcsu.edu, (701) 845-7304

Faculty Contact: Susan Pfeifer, susan.pfeifer@vcsu.edu, (701) 845-7719

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The Master of Science in Business Information Systems is an interdisciplinary program that pulls from the areas of Computer Information Systems, Communication, Business, and Software Engineering to create an integrated curriculum. This program is designed to provide individuals with a bachelor's degree in computer science or business the opportunity to integrate their knowledge with advanced work in specific business process and systems. The program offers coursework in Salesforce and SAP that prepares individuals to pursue certification in these CRM and ERP software packages; the master's program will utilize this content and also offer advanced training as appropriate for those already initially certified.

The Master of Science in Business Information Systems

Code	Title	Credits
Required Courses		
BUSI 610	Financial Management for Information Technology Professionals	3
BUSI 620	Information Systems Strategy	3
CIS 641	Customer Relationship Management Software Administration	3
CIS 669	Enterprise Systems	3
CIS 671	Enterprise Systems II	3
CIS 687	IT Project Management	3
CIS 688	Introduction to Machine Learning	3
CIS 698	Capstone Project	2
COMM 650	Advanced Interpersonal Communication	3
COMM 660	Group Communication, Team Building, and Leadership	3
SE 631	Customer Relationship Management Software Development	3
SE 685	Database Theory/Design	3
Total Credits		35

Students must have a competency in programming concepts for this program. If students do not have this competency, completing CSCI 120 Introduction to Programming, or CSCI 127 Introduction to Programming in Java, or CSCI 160 Introduction to Structured Programming I is recommended.

Course Rotation

BUSINESS INFORMATION SYSTEMS

BUSINESS INFORMATION SYSTEMS				
REQUIRED	33 hours	Fall	Spring	Summer
BUSI 610	Financial Management for IT Professionals (3)		Spring	
BUSI 620	Information Systems Strategy (3)			Summer Odd
CIS 641	Customer Relationship Management Software Admin. (3)		Spring	
CIS 669	Enterprise Systems (3)	Fall		
CIS 671	Enterprise Systems II (3)		Spring	
CIS 687	IT Project Management (3)			Summer Even
CIS 688	Introduction to Machine Learning (3)	Fall		
COMM 650	Advanced Interpersonal Communication (3)			Summer Even
COMM 660	Group Communication, Team Building, and Leadership (3)			Summer Odd
SE 631	Customer Relationship Management Software Development (3)	Fall		
SE 685	Database Theory/Design (3)	Fall		
SPECIAL PROGRAM 2 hours				
CIS 698	Capstone (2)	Fall	Spring	Summer

FALL Program of Study						
	FALL	SPRING	SUMMER	FALL	SPRING	SUMMER
Even year start	CIS 669 SE 685	CIS 671 CIS 641	BUSI 620 COMM 660	SE 631 CIS 688	BUSI 610 CIS 698	CIS 687 COMM 650
Odd year start	CIS 669 SE 685	CIS 671 CIS 641	CIS 687 COMM 650	SE 631 CIS 688	BUSI 610 CIS 698	BUSI 620 COMM 660

SPRING Program of Study							
	SPRING	SUMMER	FALL	SPRING	SUMMER	FALL	SPRING
Even year start	BUSI 610 CIS 641	CIS 687 COMM 650	CIS 669 SE 631	CIS 671 Ind. Study	BUSI 620 COMM 660	SE 685 CIS 688	CIS 698
Odd year start	BUSI 610 CIS 641	BUSI 620 COMM 660	CIS 669 SE 631	CIS 671 Ind. Study	CIS 687 COMM 650	SE 685 CIS 688	CIS 698

SUMMER Program of Study						
	SUMMER	FALL	SPRING	SUMMER	FALL	SPRING
Even year start	CIS 687 COMM 650	CIS 669 SE 685	CIS 671 CIS 641	BUSI 620 COMM 660	SE 631 CIS 688	BUSI 610 CIS 698
Odd year start	BUSI 620 COMM 660	CIS 669 SE 685	CIS 671 CIS 641	CIS 687 COMM 650	SE 631 CIS 688	BUSI 610 CIS 698

Core Values/Learning Outcomes

1. Critical Inquiry
2. Applied Learning
3. Communication Skills
4. Diverse Perspectives
5. Leadership

The program's Core Values lay the broad foundation for the overall program design. Specific objectives are then addressed in each course, based on its curriculum. At the course level, the required projects and activities provide a rich and diverse collection of opportunities for assessment of student knowledge and understanding by the professor.

Graduate Endorsements

- STEM Education Gifted and Talented Endorsement (p. 471)

STEM Education Gifted and Talented Endorsement

Completing this course work will meet the requirements set forth by ESPB for the gifted and talented endorsement.

Code	Title	Credits
Select four of the following		12
STEM ED 655	STEM Curriculum and Methods in Elementary	
STEM ED 670	Design, Technology, and Engineering for Elementary	
STEM ED 671	Inquiry Based Thematic Instruction	
STEM ED 680	Building Math	
STEM ED 665	Invention and Innovation	
STEM ED 2000	Introduction to Education of the Gifted and Talented	2
STEM ED 2000	Co-Teaching Models	1
STEM ED 2000	Identification and Assessment of Gifted and Talented	2
STEM ED 2000	Capstone and Portfolio	1
Total Credits		18

Graduate Courses Business (BUSI)

BUSI 610. Financial Management for Information Technology Professionals. 3 Credits.

A course that provides the fundamental knowledge for individuals making financial decisions in information technology organizations.

Typically Offered: Spring.

BUSI 620. Information Systems Strategy. 3 Credits.

An introduction to approaches that enable business strategy with information system solutions.

Typically Offered: Summer, odd years.

Communications (COMM)

COMM 611. Communication Theory. 3 Credits.

A survey of communication theory and research topics as that pertain to everyday social interactions. Students explore the relationship between theory, guiding, research, and knowledge.

Typically Offered: Spring, even years.

COMM 630. Instructional Communication and Technology. 3 Credits.

A study of current concepts, theories, and practice in instruction, communication, and technology. This course explores historical and rhetorical perspectives, traits, instructional message variables, incivility, assessment, course design, and evolving instructional technologies.

Typically Offered: Fall, even years.

COMM 645. Media Uses and Effects. 3 Credits.

A study of the theoretical and practical research of major issues found in the media. Topics include media effect, violence, persuasion, public opinion, marketing, and media literacy.

Typically Offered: Spring, odd years.

COMM 650. Advanced Interpersonal Communication. 3 Credits.

A survey of communication theory and research topics as they pertain to everyday social interactions. Students explore an examination of styles, patterns and challenges in human communication in both verbal and nonverbal contexts. This class explores a variety of relationships and modes of communication in the professional and non-professional world.

Typically Offered: Summer, even years.

COMM 655. Advanced Intercultural Communication. 3 Credits.

An advanced exploration of cross-cultural and intercultural communication, focusing on definitions, concepts and theories of culture as they relate to the self and the classroom. Special emphasis will be placed on norms, etiquette, gender, and sexuality especially as they relate within the framework of the educational setting.

Typically Offered: Fall, odd years.

COMM 660. Group Communication, Team Building, and Leadership. 3 Credits.

A course on the theories and praxis of creating and maintaining successful group, team, and leadership experiences in the professional setting. Topics include group formation, climate, roles, goals, conflict resolution, group identity, and leadership nurturing.

Typically Offered: Summer, odd years.

COMM 694. Independent Study. 1-3 Credits.

A student initiated course to provide expanded offerings to meet a special need. The student effort may be a major project or an additional research activity.

Typically Offered: On sufficient demand.

Repeatable: Up to 3 Credits.

COMM 699. Special Topics. 1-3 Credits.

Typically Offered: On sufficient demand.

Computer Information Systems (CIS)

CIS 641. Customer Relationship Management Software Administration. 3 Credits.

Instruction in administration of various aspects of Customer Relationship Management (CRM) software. Topics include setting up and managing users, security and data access, customization, reports, and support. This class will use Salesforce or a similar software package.

Typically Offered: Spring.

CIS 669. Enterprise Systems. 3 Credits.

An exploration of how enterprise systems help companies integrate business functions and improve business processes. Students will identify and discuss integration points including impacts to accounting.

Typically Offered: Fall.

CIS 671. Enterprise Systems II. 3 Credits.

An exploration of how organizations analyze and implement ERP systems or other relevant enterprise systems by completion of a project to configure, implement, and test business processes. This course builds upon knowledge in other courses using ERP.

Typically Offered: Spring.

CIS 687. IT Project Management. 3 Credits.

A course on project management concepts as they relate to information technology projects including software projects. Principles include those covered in the Project Management Body of Knowledge (PMBOK) and agile approaches.

Typically Offered: Summer, even years.

CIS 688. Introduction to Machine Learning. 3 Credits.

An introduction to data mining and machine learning concepts and applications as they relate to artificial intelligence used in business.

Typically Offered: Fall.

CIS 694. Independent Study. 1-3 Credits.

A student-initiated course to provide expanded offerings to meet a special need. The student effort may be a major project or an additional research activity.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

CIS 698. Capstone Project. 2 Credits.

A significant project experience to reflect on and apply knowledge learned in the interdisciplinary coursework.

Typically Offered: Fall, Spring, Summer.

CIS 699. Special Topics. 1-3 Credits.

Advanced courses not offered in the regular catalog that provide an opportunity to extend student learning.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Education (EDUC)

Courses

EDUC 610. Research in Education. 3 Credits.

An overview of research techniques and methodologies.

This course covers measurement concepts and statistical analysis in educational research, current theory, and practice of qualitative and quantitative research design, and research-based applications to improve student learning.

Typically Offered: Fall, Spring, Summer.

EDUC 611. Foundations of Teaching for Learning. 3 Credits.

The course examines the teaching profession, including the historical, philosophical, and social foundations of education. Students gain knowledge of the VCSU teacher education model and apply knowledge and skills through practice teaching activities, including the effective use of planning, implementing, evaluating, and reflecting. The course requires a field experience in secondary classroom.

Typically Offered: Summer.

EDUC 612. Human Development and Learning Needs. 3 Credits.

A survey of the psychology of human life span development and learning needs.

Typically Offered: Spring.

EDUC 613. Reading and Multiple Literacies. 3 Credits.

A study of reading in the content areas. Methodology, organization of classroom, study skills, and strategies for dealing with the culturally different student are emphasized.

Typically Offered: Spring.

EDUC 614. Secondary Methods and Assessment. 4 Credits.

Focused on strategies used in exemplary secondary school teaching that are appropriate for adolescent and young adult learners. The course provides students with an opportunity to learn and develop the knowledge and skills necessary to achieve teaching competency.

Typically Offered: Fall.

EDUC 620. Leadership, Planning and Organizational Behavior. 3 Credits.

A study of leadership theory and organizational behavior in education. This course provides school leaders with preparation in leadership theory, shaping positive school culture, leading school improvement and the development of a shared strategic vision, organizational behavior and managing conflict.

Typically Offered: On sufficient demand.

EDUC 621. School Law and Organizational Structure of Education. 3 Credits.

This course is designed as a beginning law course for school teachers. Topics include organizational structures of school, federal and state systems, church-state related issues, teacher rights, rights of students with disabilities, instructional issues, tort liability, and equal opportunities in education.

Typically Offered: On sufficient demand.

EDUC 622. Personal Communication and Ethics in Education. 3 Credits.

This course prepares aspiring school leaders to understand and use effective personal communication and ethical practice. Topics include articulating a professional code of ethics, developing a plan for their personal and professional development, community and media relations, and principles of effective communication skills.

Typically Offered: On sufficient demand.

EDUC 623. Personnel, Supervision and Staff Development. 3 Credits.

This course prepares school leaders to understand the function of human resources administration as a foundation for effective educational programs. Topics include human resource utilization, staff development/evaluation, organizational climate, instructional improvement, and student outcomes.

Typically Offered: On sufficient demand.

EDUC 625. Issues in School, Community, and Family. 3 Credits.

An exploration of the shaping of education in America by law and the legal system. This course covers the current legal and educational issues of equal educational opportunities, treatment of students with disabilities, English Language Learners, school effectiveness and reform, school finance, and philosophy. Focuses on administrative leadership and technologies that develop, maintain, and enhance effective approaches in working with schools, faculty and staff, students, parents, and community members from diverse backgrounds.

Typically Offered: Fall, Summer.

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EDUC 630. Principles of Teaching and Learning in Secondary. 3 Credits.

An examination of several models of instruction for building effective teaching practice to meet diverse learning needs. The focus of the course is the psychological aspects of teaching and how effective teaching assists the learning process. It also explores and integrates multiple intelligences, learning styles, and cooperative learning with technology in the context of implementation into instruction, curriculum, and assessment.

Typically Offered: On sufficient demand.

EDUC 631. Principles of Teaching and Learning in Elementary. 3 Credits.

An examination of several models of instruction for building effective teaching practice in the elementary classroom to meet diverse learning needs. This course covers the psychological aspects of teaching in the elementary classroom and how effective teaching assists the learning process. It explores multiple intelligences, learning styles, and cooperative learning integrated with technology.

Typically Offered: Summer.

EDUC 635. Technology for Learning. 3 Credits.

An overview of the knowledge and skills necessary for effective use of current instructional technologies in order to enhance learning and contribute to positive school change that supports a learner-centered environment. The course focus is on applying theory, research, and practice to instruction planning and curricular improvement within the context of the learning community, as well as examining related social, equity, ethical, and legal issues.

Typically Offered: Spring.

EDUC 640. Supervision and Assessment of Teachers and Learners. 3 Credits.

Provides multiple means of assessing and evaluating diverse student learning including technology, theory, and practice. Explores types of assessments that motivate students to learn, as well as approaches to planning, managing, delivering, and assessing instruction that draw on social, cultural, and historical foundations. Prepares educators for leadership roles in schools.

Typically Offered: Spring, Summer.

EDUC 642. Supervision of Student Teachers. 3 Credits.

A guide for K-12 classroom teachers to successfully mentor teacher candidates with an emphasis on applying co-teaching strategies. The course emphasizes state administrative rules and university expectations, as well as the role of the university supervisor, cooperating teacher, and teacher candidate. The course provides experiences designed to help teacher candidates become effective elementary and secondary school teachers.

Typically Offered: Summer.

EDUC 650. Field Design and Implementation. 3 Credits.

An exploration of ways to integrate technology into K-12 classrooms and develop projects that use technology to improve student learning. The course allows students to plan the implementation of a field experience of an engaged project in their classroom that applies and reflects on their content, professional, and pedagogical knowledge, skills, and dispositions in a variety of settings.

Typically Offered: Fall.

EDUC 657. Exceptionality, Diversity, and Differences. 3 Credits.

A study of exceptionality, diversity, and difference that exists in P-12 classrooms, including issues of socio-economic status, gender, and ethnicity. Explores related strategies for developing appropriate learning environments, instructional modifications, intervention alternatives, teaching styles, and alternative delivery systems, as well as addresses professional networking and collaboration in order to enhance the learning experience for all students.

Typically Offered: Fall, Spring.

EDUC 660. Assessment Strategies for ELL. 2 Credits.

This course is designed to guide K-12 classroom teachers to successfully differentiate their assessment practices for linguistically diverse student populations and addresses student monitoring of academic mastery, English language proficiency, instructional and assessment accommodations, and stakeholder reporting.

Typically Offered: Fall, odd years.

EDUC 663. Methods of Teaching ELL. 2 Credits.

An examination of the structured strategies for effectively supporting the learning of English learners in their classroom through effective planning of language objectives and building academic vocabulary development in all lessons. The course supports the learning of students through comprehensive input on these cross-curricular strategies.

Typically Offered: Spring, even years.

Prerequisite: EDUC 660.

EDUC 664. Literature and Literacy for Children and Young Adults. 3 Credits.

An examination of literacy issues as they relate to literature for children and young adults. Classic and contemporary works of literature for children and young adults will be studied with regard to reading issues, child/adolescent development, censorship, literary value, and lifelong reading/learning. Cross-referenced with ENGL 664 and LMIS 664.

Typically Offered: Fall.

Same As: EDUC 664/ENGL 664/LMIS 664.

EDUC 665. Learning Theory and Instructional Design. 3 Credits.

An overview of learning theories instruction design models. The course focuses on curriculum design for educators using the Backward Design model within behavioral, cognitive information processing, and constructivist approaches.

Typically Offered: Fall.

EDUC 667. Literacy as Communication in Elementary. 3 Credits.

A focus on ways to integrate effective reading strategies into all subject areas of the curriculum. Participants learn strategies for supporting the comprehension of nonfiction texts and the development of content-area vocabulary, as well as motivational techniques for reluctant learners. This course also expands background experience in literacy including study skills, vocabulary development, reading comprehension, and written, oral, and listening communication.

Typically Offered: Spring.

EDUC 670. Second Language Acquisition. 2 Credits.

Examines and applies theories and models of second language acquisition for ELL students to include the emotional, social and intellectual implications of learning a second language in a cross-cultural setting.

Typically Offered: Fall, even years.

EDUC 673. Foundations of Bilingual Education. 2 Credits.

Examines and applies theories and models of bilingual education for ELL students from a cross-disciplinary perspective to include individual and societal concepts in minority and majority languages and childhood developmental perspectives as well as the psychological and sociological aspects of bilingualism.

Typically Offered: Summer.

EDUC 675. Teaching with 21st Century Tools. 3 Credits.

A study of the tools teachers will need to help students master the learning skills of a digital world. The participants will acquire a knowledge of information and communication technologies, an understanding of the relevance of teaching with real world examples, and the importance of involving students in areas of communication and collaboration.

Typically Offered: Summer.

EDUC 676. Internship/Student Teaching. 6 Credits.

Observation, teaching, and other experiences related to teaching. The student in secondary education spends twelve weeks of student teaching or successful completion of transition to teaching phase one.

Typically Offered: Fall, Spring.

Grading: S/U only.

EDUC 681. Continuous Enrollment. 1 Credit.

An option for graduate students who must remain continuously enrolled during the graduate studies process.

Typically Offered: Fall, Spring, Summer.

Grading: S/U only.

Repeatable: Up to 15 Credits.

EDUC 685. Action Research in Education. 3 Credits.

A study of the action research process. This course covers how to conduct, analyze, and reflect upon action research. Topics include the action research process, IRB paperwork, data collection, data analysis, and reflection.

Typically Offered: Fall, Spring.

Prerequisite: EDUC 610.

EDUC 686. Integrative Capstone Project. 2 Credits.

A summative graduate experience that reflects on learning and makes connections to changes in teaching and methodology. The students will demonstrate the core knowledge and values in this standards-based digital portfolio. Previously Teaching for Learning Capstone (TLC) will be showcased.

Typically Offered: Fall, Spring, Summer.

EDUC 688. Leadership Capstone. 2 Credits.

The leadership capstone is a supervised administrative experience in several role specialization areas. The general purpose of the practicum is to give students an opportunity to implement the theories and principles acquired in class, complete portions of the portfolio competencies, and experience diverse working situations.

Typically Offered: On sufficient demand.

EDUC 689. Research Application. 1 Credit.

Preparation for completing individual action research topic on the graduate level. The course directs the student in completion of M.Ed. research requirement. Cross-referenced with ENGL 689, LMIS 689, and TECH 689.

Typically Offered: Fall, Spring, Summer.

Same As: EDUC/ENGL/LMIS/TECH 689.

EDUC 693. ELL Teaching Practicum. 2 Credits.

An outline for candidates to demonstrate their proficiency at planning implementing and managing curriculum and instruction for ELL students. The students will acquire the eight (8) essential elements of the Sheltered Instruction Operational Protocol and demonstrate them during the final evaluation of the practicum.

Typically Offered: Fall, Spring.

Prerequisite: EDUC 663.

EDUC 694. Independent Study. 1-3 Credits.

A student initiated course to provide expanded offerings to meet a special need. The student effort may be a major project or an additional research activity.

Typically Offered: On sufficient demand.

Repeatable: Up to 3 Credits.

EDUC 698. Capstone. 2 Credits.

A summative graduate experience that reflects on learning and makes connections to changes in teaching and methodology. The students will demonstrate the core knowledge and in this standards-based digital portfolio. Previously developed publishable action research effort is showcased. Cross-referenced with ENGL 698, LMIS 698, and TECH 698.

Typically Offered: Fall, Spring, Summer.

Same As: EDUC/ENGL/LMIS/TECH 698.

EDUC 699. Special Topics. 1-3 Credits.

An advanced study covering topics not regularly taught in the Master of Education program. The course provides learners with the flexibility to investigate topics of interest.

Typically Offered: On sufficient demand.

English (ENGL)

Courses

ENGL 650. Studies in British Literature. 3 Credits.

An advanced study of selected genres, authors, themes, or eras in British literature. The student will acquire multiple ideas, implementation plans, rubrics, and assessment ideas that will assist the post-secondary English instructor.

Typically Offered: Fall, even years.

ENGL 653. Language and Culture. 3 Credits.

A study of the relationships between language and culture. The course considers and researches communicative functions and culture; dialect, gender, and cross cultural studies of linguistic preference; acquisition of communicative competence, and multi-lingual/bi-lingual issues.

Typically Offered: Summer.

ENGL 660. Studies in American Literature. 3 Credits.

An advanced course which examines selected genres, authors, themes, or eras in American literature.

Typically Offered: Summer, odd years.

ENGL 664. Literature and Literacy for Children and Young Adults. 3 Credits.

An examination of literacy issues as they relate to literature for children and young adults. Classic and contemporary works of literature for children and young adults will be studied with regard to reading issues, child/adolescent development, censorship, literary value, and lifelong reading/learning. Cross-referenced with EDUC 664 and LMIS 664.

Typically Offered: Fall.

Same As: EDUC 664/ENGL 664/LMIS 664.

ENGL 673. Linguistics for ELL Teachers. 3 Credits.

Guides K-12 classroom teachers to successfully implement linguistically appropriate practices that are predicted upon language theory for culturally and linguistically diverse (CLD)/ELL student populations to promote English language proficiency and content mastery. Components of the language system including phonology, morphology, syntax, semantics, pragmatics, discourse analysis, register, aspects of social and academic language, and writing conventions.

Typically Offered: Spring.

ENGL 676. Research in Teaching Writing. 3 Credits.

This course will investigate the research related to teaching writing. Scholarly articles and texts will provide the sources. The course topics will include educational and composition theory for the purpose of informing secondary school writing instruction.

Typically Offered: Spring, odd years.

ENGL 680. Teaching College English. 3 Credits.

This course will investigate composition and critical literary theory as it applies to the teaching of college English. Scholarly articles, journals, and texts will provide the sources. The course will include a required teaching practicum within a college English course.

Typically Offered: Spring, even years.

ENGL 689. Research Application. 1 Credit.

Preparation for completing individual action research topic on the graduate level. The course directs the student in completion of M.Ed. research requirement. Cross-referenced with EDUC 689, LMIS 689, and TECH 689.

Typically Offered: Fall, Spring, Summer.

Same As: EDUC/ENGL/LMIS/TECH 689.

ENGL 698. Capstone. 2 Credits.

A summative graduate experience that reflects on learning and makes connections to changes in teaching and methodology. The students will demonstrate the core knowledge and in this standards-based digital portfolio. Previously developed publishable action research effort is showcased. Cross-referenced with EDUC 698, LMIS 698, and TECH 698.

Typically Offered: Fall, Spring, Summer.

Same As: EDUC/ENGL/LMIS/TECH 698.

Health, Physical Education, and Recreation (HPER)

HPER 610. Motor Learning. 3 Credits.

An advanced course that examines theories and concepts of motor control. Provides necessary skills and tools to evaluate performance, provide effective instruction, and create practice sessions that optimize acquisition and retention of movement skills. Requires a strong background in the areas of anatomical and mechanical kinesiology and basic understanding of the central nervous system operations.

Typically Offered: Fall.

HPER 620. Current Literature in Health and Physical Education. 3 Credits.

An advanced course to increase students' expertise in current health and physical education research. Students will focus on skills required for ongoing professional development and implementation of evidenced-based research to facilitate student learning and the use of effective instructional technologies and techniques.

Typically Offered: Spring.

HPER 630. Advanced Developmental Adapted Physical Education. 3 Credits.

Advanced study and technique in conditions atypical movement, instructional methodology, and educational programs for students of disability. Emphasis on individualized, humanistic, developmental, functional, adapting, behavioral, sensorimotor, perceptual-motor, aquatic, fitness, movement, as well as inclusive programs. This course will also explore physical and recreational activities and games used in adaptive PE and various assessment tools thereof.

Typically Offered: Summer.

HPER 640. Advanced Techniques in Teaching Health and Physical Education. 3 Credits.

An advanced study of instructional practice for the health and physical educator. This course will provide students with experiences that will enable them to explore the various topics of today's health and physical education, such as motor appropriate activities; developing effective instructional plans; evaluate, select, and utilize appropriate instructional materials and approaches, develop strategies to assess student progress, and so much more. This course also facilitates the development of effective self-assessment and reflective teaching skills.

Typically Offered: Fall.

HPER 650. Curriculum Development and Evaluation in Health and Physical Education. 3 Credits.

An advanced course with students will gain understanding of the responsibilities of a health and physical education administrator from both a theoretical and a practical perspective. Major topics include curriculum and instruction, teacher evaluations, conducting special events, writing grants, and performing fundraising.

Typically Offered: Spring.

HPER 660. Leadership and Supervision in Health and Physical Education. 3 Credits.

An in-depth course to analyze comprehensive principles of leadership, organization, planning, and supervision to enhance community culture. Students appraise current policy, guidelines, procedures and ethics of administrative decisions; management and leadership of human resources; leadership and management theories; and planning and budgeting processes.

Typically Offered: Summer.

History (HIST)

HIST 610. Thinking Historically: Skills and Sources. 3 Credits.

HIST 610 is a study of the resources and techniques that effective teachers employ in the secondary social studies classroom. Major topics include sourcing and corroboration heuristics, conducting research and constructing knowledge, curricular organization and planning, methods for engaging students in the social studies classroom, and a brief review of historiography.

Typically Offered: Summer, odd years.

HIST 620. French Revolution and the Age of Napoleon. 3 Credits.

This course examines the causes, events, issues and legacy of the upheaval that gripped France and the rest of Europe from 1789 to 1815. Students will complete readings, including primary source documents, that require an analysis, reading response assignments, short lectures, identification exercises, and questions intended to stimulate thoughtful discussion.

Typically Offered: Fall, odd years.

HIST 630. Democracy and Democratization. 3 Credits.

This course examines the theories and histories of democracy and democratization, particularly in the modern era. The course analyzes the concept and theories of democracy as well as their application to specific cases of democratization throughout the world. The course also discusses the mechanisms of democracy promotion and retrenchment.

Typically Offered: Spring, odd years.

HIST 640. The World Wars. 3 Credits.

An in-depth study of the causes and impact of The Great War and World War II. Particular attention is given to the major battles, powers, and personalities that shaped the events and ultimate outcome of both epic struggles. Topics covered in this class include nationalism, the naval arms race, total war, trench warfare, the Treaty of Versailles and the demise of the imperial system, rise of totalitarianism, the Great Depression, blitzkrieg, the Pacific Theater, the emergence of superpowers and the post-war political order.

Typically Offered: Fall, even years.

HIST 650. Readings in American History. 3 Credits.

A structured review of secondary historical studies on a specified topic in American History. Topics for the course will be determined by the research specialties of the faculty.

Typically Offered: Summer, even years.

HIST 660. Readings in World History. 3 Credits.

A structured review of secondary historical studies on a specified topic in World History. Topics for the course will be determined by the research specialties of the faculty.

Typically Offered: Spring, even years.

HIST 694. Independent Study. 1-3 Credits.

A student initiated course to provide expanded offerings to meet a special need. The student effort may be a major project or an additional research activity.

Typically Offered: On sufficient demand.

Repeatable: Up to 9 Credits.

HIST 699. Special Topics. 1-3 Credits.

An advanced study covering topics not regularly taught in the Master of education program. The course provides learners with the flexibility to investigate topics of interest.

Typically Offered: On sufficient demand.

Library Media and Information Science (LMIS)

Courses

LMIS 660. Applied Research in School Libraries. 3 Credits.

A survey of current themes and issues in school library and information technology research with emphasis on identifying areas for collaborative school classroom or library research designed to support improved student learning and address state and national curriculum standards. An overview of the processes and procedures involved in designing, completing, and documenting a successful action research project. Writing a draft action research literature review using the institutionally required style and formats, submitting the required M.Ed. action research topic proposal, and preparing and submitting Institutional Review Board (IRB) pre-screening for this research proposal.

Typically Offered: Fall.

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LMIS 664. Literature and Literacy for Children and Young Adults. 3 Credits.

An examination of literacy issues as they relate to literature for children and young adults. Classic and contemporary works of literature for children and young adults will be studied with regard to reading issues, child/adolescent development, censorship, literary value, and lifelong reading/learning. Cross-referenced with EDUC 664 and ENGL 664.

Typically Offered: Fall.

Same As: EDUC 664/ENGL 664/LMIS 664.

LMIS 670. Integrating Information Literacy and Research Standards. 3 Credits.

An exploration and analyzes of research models, their application and use in meeting information literacy standards. Topics include current issues and trends in learning theory, learner behavior, and instructional design as related to information literacy. An emphasis is placed on the responsibility of the school library media specialist to collaborate with classroom teachers to integrate information literacy into all curricular areas.

Typically Offered: Fall.

LMIS 676. Contemporary Cataloging for the School Library. 3 Credits.

Principles of organizing and cataloging materials for the school library with emphasis on accessing resources for processing materials in a variety of print and digital formats, utilizing current standards and systems for creating bibliographic records, and developing and maintaining records in on-line circulation and catalog systems.

Typically Offered: Summer.

LMIS 677. Collection Development for the 21st Century School Library. 3 Credits.

This course covers the selection and acquisition of school library resources with emphasis on techniques to assure a balanced collection reflecting a diversity of format and content. Topics include profiling the resource needs of learners to address state and national standards, analyzing the library collection, developing selection criteria for materials in a variety of formats, and managing the acquisitions process.

Typically Offered: Summer.

LMIS 680. Using Information Resources. 3 Credits.

This course focuses on core reference skills and reference collections essential to a successful school library program. Special emphasis placed on how the school library media specialist can assist students in becoming information literate and the need for collaboration with classroom teachers when promoting the use of information resources in the school library media center.

Typically Offered: Spring.

LMIS 687. Administering and Evaluating Program Resources. 3 Credits.

This course explores leadership theory and the role of the school library media specialist as program administrator, preparing the learner to administer an effective school library program supporting the mission of the school and based on AASL standards. Professional principles and responsibilities including facilities management, budget consideration, personnel planning, and data-driven program assessment and evaluation will be emphasized.

Typically Offered: Summer.

LMIS 688. Collaboration, Management, and Leadership. 3 Credits.

An exploration of leadership theory and the role of the school library media specialist as program administrator, preparing the learner to administer an effective school library program supporting the mission of the school and based on AASL standards. The course covers the professional principles and responsibilities including facilities management, budget consideration, personnel planning, and data-driven program assessment and evaluation.

Typically Offered: Spring.

LMIS 689. Research Application. 1 Credit.

Preparation for completing individual action research topic on the graduate level. The course directs the student in completion of M.Ed. research requirement. Cross-referenced with EDUC 689, ENGL 689, and TECH 689.

Typically Offered: Fall, Spring, Summer.

Same As: EDUC/ENGL/LMIS/TECH 689.

LMIS 698. Capstone. 2 Credits.

A summative graduate experience that reflects on learning and makes connections to changes in teaching and methodology. The students will demonstrate the core knowledge and in this standards-based digital portfolio.

Previously developed publishable action research effort is showcased. Cross-referenced with EDUC 698, ENGL 698, and TECH 698.

Typically Offered: Fall, Spring, Summer.

Same As: EDUC/ENGL/LMIS/TECH 698.

Mathematics (MATH)

MATH 608. History and Philosophy of Mathematics for Teachers. 3 Credits.

Current and prospective teachers will broaden and deepen their understanding of the historical context and overarching philosophies that underlie mathematics. While tracing the historical development of mathematics, students will be exposed to fundamental principles of mathematics, especially logic and proof, with an emphasis on heuristic models of problem-solving applied to a variety of mathematical topics. Content will include discrete mathematics topics, such as set theory, combinatorics, mathematical induction, and relations.

Typically Offered: Spring, odd years.

MATH 613. Algebra for Teachers. 3 Credits.

Current and prospective teachers will broaden and deepen their understanding of algebraic concepts and pedagogy to better engage high school students in the problem-solving processes and applications of algebra. The course will cover functions (polynomial, rational, trigonometric, exponential, & logarithmic), including transformations and compositions; fitting models to data; sequences and series; number systems and proof; and vector spaces. The course will emphasize appropriate technology used to teach the content with the aim of achieving proficiency within related secondary school math standards.

Typically Offered: Fall, odd years.

MATH 614. Geometry for Teachers. 3 Credits.

Current and prospective teachers will broaden and deepen their understanding of geometry concepts and pedagogy to better engage high school students in the problem-solving processes and applications of geometry. The course will cover axiomatic, planar Euclidean geometry, including the role of proof in geometry and appropriate technology used to teach the content with the aim of achieving proficiency within related secondary school math standards.

Typically Offered: Spring, even years.

MATH 621. Probability and Statistics for Teachers. 3 Credits.

Current and prospective teachers will broaden and deepen their understanding of probability and statistics concepts and pedagogy to better engage high school students in the problem-solving processes and applications of probability and statistics. The course will cover descriptive and inferential statistics, displaying data, probability, distributions, correlation, hypothesis tests, and appropriate technology used to teach the content with the aim of achieving proficiency within related secondary school math standards.

Typically Offered: Summer, even years.

MATH 665. Calculus for Teachers. 3 Credits.

Current and prospective teachers will broaden and deepen their understanding of calculus concepts and pedagogy to better engage high school students in the problem-solving processes and applications of calculus. The course will cover differential and integral calculus topics, including appropriate technology used to teach the content with the aim of achieving proficiency within related secondary school and college-level calculus learning outcomes.

Typically Offered: Summer, odd years.

MATH 690. Trends, Methods, and Technology in Mathematics Education. 3 Credits.

Current and prospective teachers will explore, broaden, and deepen their understanding of concepts and pedagogy as it relates to current trends, methods, and technology in a high school math classroom designed to enhance teaching and learning. The course will focus on teacher preparation in anticipation of teaching dual credit math courses.

Typically Offered: Fall, even years.

MATH 699. Special Topics. 1-3 Credits.

An advanced study covering topics not regularly taught in the Master of education program. The course provides learners with the flexibility to investigate topics of interest.

Typically Offered: On sufficient demand.

Software Engineering (SE)

SE 631. Customer Relationship Management Software Development. 3 Credits.

Instruction in programming languages used in Customer Relationship Management (CRM) software. Topics include logic and process automation, user interfaces, testing, debugging, and deployment in a CRM software package such as Salesforce or equivalent software.

Typically Offered: Fall.

SE 685. Database Theory/Design. 3 Credits.

An introduction to relational database concepts, theory, design and management.

Typically Offered: Fall.

STEM Educ (STEM ED)

Courses

STEM ED 650. STEM Curriculum and Methods. 3 Credits.

A thorough review of the Standards for Technological and Engineering Literacy (STEL) content and program standards for technology education. This course also covers standards-based curriculum development and methods.

Typically Offered: Fall.

STEM ED 655. STEM Curriculum and Methods in Elementary. 3 Credits.

An overview for elementary teachers of the evolution, philosophy, methods, character, and purpose of each of the STEM disciplines. The course includes contemporary strategies unique and common among the disciplines such as analysis, modeling, inquiry, design, thematic instruction, team challenges, and practical problem solving. Current forces and trends acting on STEM education will also be explored. The overlay between STEM education and Gifted Education curriculum and methods will be emphasized.

Typically Offered: Fall.

STEM ED 660. Design for Engineering. 3 Credits.

Emphasizes advanced concepts and curriculum development using the engineering design process, a cornerstone of the Standards for Technological and Engineering Literacy (STEL) and technology education programs.

Typically Offered: Fall.

STEM ED 665. Invention and Innovation. 3 Credits.

A study of the concepts related to engineering design as well as concepts surrounding inventions and innovations. This course covers the standards, benchmarks, content, and techniques necessary to successfully teach a recommended core course at the middle school Level and utilizes the curriculum concepts from Engineering by Design from the ITEEA. The intersection of STEM and Gifted and Talented standards will be emphasized.

Typically Offered: Summer.

STEM ED 670. Design, Technology, and Engineering for Elementary. 3 Credits.

A course focused on creating standards-based thematic units at the elementary level using the engineering design process and design challenges to integrate science, mathematics and other subject areas. A primary goal of the course is to expand the range of activities implemented in the self-contained elementary classroom, while while meeting the specific needs of Gifted and Talented students and fostering technological literacy in all elementary students.

Typically Offered: Spring.

STEM ED 671. Inquiry Based Thematic Instruction. 3 Credits.

A course focused on the use of scientific inquiry, mathematics concepts, the engineering design process, design challenges, and additional subject areas in the implementation of standards-based thematic STEM and Gifted and Talented education units at the elementary level. Emphasis is also placed on evaluating and enhancing available thematic STEM and Gifted and Talented education curricula.

Typically Offered: Fall.

STEM ED 680. Building Math. 3 Credits.

A course focused on hands-on activities that integrate engineering design while developing algebraic thinking skills through the collection and analysis of data used to solve real-world problems. Students will develop the ability to apply math knowledge and concepts to their investigations and use the engineering design process. Suitable for secondary and middle school level teachers; and will provide opportunities to create standards-based materials in STEM for all students, while meeting the specific needs of Gifted and Talented students..

Typically Offered: Summer.

STEM ED 682. Engineering the Future. 3 Credits.

A course focused on the use of concepts in physics, mathematics, and the engineering design process while exploring the social, historical and environmental contexts of current and emerging technologies. Suitable for secondary level teachers; and will provide opportunities to plan and create standards-based materials.

Typically Offered: Spring.

STEM ED 699. Special Topics. 1-4 Credits.

An advanced study covering topics not regularly taught in the Master of education program. The course provides learners with the flexibility to investigate topics of interest.

Typically Offered: On sufficient demand.

Repeatable: Up to 12 Credits.

Technology (TECH)

Courses

TECH 651. Curriculum Development in Career and Technical Education. 3 Credits.

An exploration and application of curriculum theory and models for Career and Technical Education. Through this course the professional educator will integrate their content specialty and educational content standards with pedagogical knowledge, culture, curriculum, and instruction

Typically Offered: Spring, even years.

TECH 652. Instructional Strategies in Training and Occupational Education. 3 Credits.

Explores the relationship of the individual instructor, learners, technology, and the lab/classroom in the development of successful instructional strategies. The course provides students with the knowledge of relevant learning theories as a basis for developing instructional strategies to maximize Career and Technical Education outcomes.

Typically Offered: Spring, odd years.

TECH 653. Trends and Issues in Occupational Education. 3 Credits.

Explores trends in philosophy, STEM education, work-force needs, curriculum, and teaching procedures in Career and Technical Education. Students will research and analyze current issues, including STEM education, relating to Career and Technical education.

Typically Offered: Fall.

TECH 654. Administration and Management in Career and Technical Education. 3 Credits.

This course addresses administration and management considerations of organization policy, human and financial resources, facilities, and the planning process as applied to Career and Technical Education.

Typically Offered: Summer.

TECH 675. Research and Assessment in Technology Education. 3 Credits.

A study of the action research process. Provides the opportunity to conduct practical action research in the standards based technology education classroom/laboratory. Evidence of success will be published or publishable article for professional journals. The course will also build on issues discussed in TECH 650 with emphasis on assessment of student learning.

Typically Offered: Spring.

Prerequisite: EDUC 610.

TECH 688. Safety and Management in the Technology Laboratory. 3 Credits.

An examination of safety issues in light of a standards based environment with a team approach to prototype development and research in Technology Education. The course covers an essential discussion of hazards in addition to machine tool operation, due to the wide ranging activities encountered by students, as well as laboratory systems and management issues.

Typically Offered: Summer.

TECH 689. Research Application. 1 Credit.

Preparation for completing individual action research topic on the graduate level. The course directs the student in completion of M.Ed. research requirement. Cross-referenced with EDUC 689, ENGL 689, LMIS 689.

Typically Offered: Fall, Spring, Summer.

Same As: EDUC/ENGL/LMIS/TECH 689.

TECH 694. Independent Study. 1-3 Credits.

A student initiated course to provide expanded offerings to meet a special need. The student effort may be a major project or an additional research activity.

Typically Offered: On sufficient demand.

Repeatable: Up to 3 Credits.

TECH 698. Capstone. 2 Credits.

A summative graduate experience that reflects on learning and makes connections to changes in teaching and methodology. The students will demonstrate the core knowledge and in this standards-based digital portfolio. Previously developed publishable action research effort is showcased. Cross-referenced with EDUC 698, ENGL 698, and LMIS 698.

Typically Offered: Fall, Spring, Summer.

Same As: EDUC/ENGL/LMIS/TECH 698.

TECH 699. Special Topics. 1-3 Credits.

An advanced study covering topics not regularly taught in the Master of education program. The course provides learners with the flexibility to investigate topics of interest.

Typically Offered: On sufficient demand.

Faculty and Administration

Faculty

A

Aberle, Amber Ussatis (2013) Assistant Professor of Education; B.S., M.Ed. Valley City State University, Ed.D. Capella University

B

Boe, James (2000) Dean for Graduate Studies and Extended Learning; Professor of Graduate; B.S. Valley City State University, M.Ed. University of North Dakota, Ph.D. North Dakota State University

Bremer, Abigail (2019) Assistant Professor of Education; B.S., M.S. Michigan State University, Ed.D. Minnesota State University - Moorhead

Brister, J. Gregory (2011) Associate Professor of Language and Literature; B.A. Hamline University, M.A. St. Cloud State University, Ph.D. University of Kansas

Burgad, Allen (2021) Dean for School of Education; B.S.Ed. Valley City State University, M.Ed. University of Mary, Ed.D. University of North Dakota

D

Dockter, Jason (2018) Instructor of Technology; B.S. Minnesota State University - Moorhead, M.Ed. Valley City State University

Du, Yang (2019) Assistant Professor of Computer Systems and Software Engineering; B.E.E., Ph.D. Beihang University

Dutton, Anthony (2009) Professor of Social Science; B.S.Ed. Valley City State University, M.A. University of North Dakota, Ph.D. North Dakota State University

H

Hanson, David (2017) Assistant Professor of Education; B.S. Valley City State University, M.S. Tri-College University

Hunt, Rachelle (2007) Director for Athletic Training Program; Associate Professor of Kinesiology and Human Performance; B.S. North Dakota State University, M.Ed. Valley City State University, Ed.D. Minnesota State University; AT, LAT

J

James, Donna (1999) Instructor of Graduate; B.S. Valley City State University, M.L.S. Emporia State University

Jenness, Jennifer A. Grothe (2007) Director for Library Services; Associate Professor of Communication Arts; B.A. Concordia College, M.A. Minnesota State University-Mankato, M.S.L. University of North Texas

Jorgensen, Alexander (2020) Assistant Professor of Social Science; B.A. Concordia College; M.A. University of Kansas; Ph.D. University of Kansas

K

King, Steven (2005) Professor of Social Science; B.A. Oak Hills Christian School, M.A. St. Cloud State University, D.A. University of North Dakota

Klingenberg, Erin D. (1990) Vice President for Student Affairs; Assistant Professor of Social Science; B.A. Jamestown College, M.Ed. University of North Dakota, M.Ed., Ph.D. North Dakota State University; Licensed Professional Clinical Counselor, National Certified Counselor

Knapp, Travis (2022) Assistant Professor of Language and Literature; B.A. Oklahoma State University, M.A., Ph. D. University of Missouri

Kosel, Trent (2020) Assistant Professor of Mathematics; B.S. Valley City State University; M.A. Minot State University; M.Ed. North Dakota State University

Krumwiede, Elisa (2019) Instructor of Technology; B.S. North Dakota State University, B.S., M.Ed. Valley City State University

Kvilvang, Heather (2002) Assistant Professor of Education; B.S. in Ed. Valley City State University, M.S. Minnesota State University Moorhead, Ph.D. North Dakota State University

M

Ma, Yongchao (2020) Assistant Professor of Computer Systems and Software Engineering; B.S. Jilin University; M.S. Dalian University of Technology

Mannie, Clayton (2020) Assistant Professor of Technology; B.S., M.Ed. Valley City State University

O

Olson, Alan (1990) Professor of Education; B.S. Valley City State University, M.S. Northern State University, Ph.D. University of North Dakota

Owen, Jackie (2009) Learning Center Coordinator Disability Support Specialist; Assistant Professor of Education; B.S. Brigham Young University, M.Ed. Utah State University, M.S. North Dakota State University

P

Pfeifer, Susan (2005) Professor of Computer Systems and Software Engineering; B.A. Jamestown College, M.S. University of St. Thomas; P.M.P., SAP Certified Associate

R

Reule, Jonna (2008) Associate Professor of Communication Arts; B.A., M.A. North Dakota State University, Ph.D. Southern Illinois University Carbondale

Russell, Julee (1995) Professor of Language and Literature; B.S. Bemidji State University, M.A., Ph.D. University of North Dakota

S

Shorma, Jodi (2009) Assistant Professor of Language and Literature; B.A., M.A. University of North Dakota

T

Thompson, Amber (2022) Assistant Professor of Kinesiology and Human Performance; M.S. The University of Texas Rio Grande Valley

V

van Gijssel, Hilde (2002) Professor of Science; M.Ed. Valley City State University, M.S., Ph.D. Leiden University (the Netherlands)

VanHorn, Shannon (1999) Professor of Communication Arts; B.S., M.S., Ph.D. North Dakota State University

W

Wicktor, Emily D. (2022) Associate Professor of Language and Literature; B.A., M.A. St. Cloud State University, Ph.D. University of Kansas

Wirth, Jamie (2008) Director for Great Plains STEM Education Center; Professor of Mathematics; B.A. University of North Dakota, B.S. Mayville State University, M.A. Minot State University, Ph.D. North Dakota State University

Administration

A

Anderson, Cory (2020) Executive Director for University Advancement; B.S. Valley City State University

B

Boe, James (2000) Dean for Graduate Studies and Extended Learning; Professor of Graduate; B.S. Valley City State University, M.Ed. University of North Dakota, Ph.D. North Dakota State University

Brooks, Larry (2022) Vice President for Academic Affairs; B.S., M.S. North Dakota State University

Buchholz, Erica (2010) Vice President for Business Affairs; Controller; B.S. Valley City State University

Burgad, Allen (2021) Dean for School of Education; B.S.Ed. Valley City State University, M.Ed. University of Mary, Ed.D. University of North Dakota

E

Edinger, Erin (2021) Director for Residence Life; B.S. Valley City State University, M.S. Minnesota State University

Elston, Kayla (2019) Graphic Designer; A.A.S. Bismarck State College

G

Gregoryk, Kerry (2017) Director for Institutional Effectiveness and Planning; B.S. University of Minnesota-Moorhead, M.S.I.T. University of Mary, Ph.D. North Dakota State University

H

Heide, Erin (2022) Director for Enrollment Services; B.S. Dickinson State University, M.S. Chadron State College-Nebraska

Hone, Shannon (2021) Registrar; B.S. Valley City State University

Hunt, Rachelle (2007) Director for Athletic Training Program; Associate Professor of Kinesiology and Human Performance; B.S. North Dakota State University, M.Ed. Valley City State University, Ed.D. Minnesota State University; AT, LAT

J

Jenness, Jennifer A. Grothe (2007) Director for Library Services; Associate Professor of Communication Arts; B.A. Concordia College, M.A. Minnesota State University-Mankato, M.S.L. University of North Texas

K

Klingenberg, Erin D. (1990) Vice President for Student Affairs; Assistant Professor of Social Science; B.A. Jamestown College, M.Ed. University of North Dakota, M.Ed., Ph.D. North Dakota State University; Licensed Professional Clinical Counselor, National Certified Counselor

Knodle, Kim (2010) Director for Field Experiences; Instructor of Education; B.S. Mayville State University, M.Ed. North Dakota State University

Kohler, Janna (2022) Director for Career Services; B.S. Valley City State University, M. Ed. University of Jamestown

Kotta, Christopher (CJ) (1996) Director for Network Services and Campus IT Security Officer; B.S. Valley City State University

Kringlie, Erik (1990) Director for Data Centers and Virtualization; B.U.S. Valley City State University

L

LaFave, Alan (2018) President; B.M.E. Northern State College, M.M., D.M.A. Arizona State University

LaFramboise, Kelly (2020) Director for Diversity and Inclusion; B.A., B.S. Loyola University Chicago; M.A., Ph.D. University of Oklahoma

Larson, Jennifer (2013) Director for Human Resources; B.S. Valley City State University

M

McCulloch, Dennis (1994) Director for Athletics Interim; B.S.Ed., M.S. Northern State University-South Dakota

Mills, Bradley (1999) Director for Enterprise Applications; B.A. University of Jamestown

N

Nix, Mike (1996) Director for Technology Service Desk; B.S. Valley City State University

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P

Peterson, Kaleen (2011) Director for Student Academic Services/Title IX Coordinator; B.A., J.D. University of North Dakota

Potts, Mark (2013) Director for Sports Information/Assistant Athletic Director; B.S. North Dakota State University

Pritchert, Marcia (1985) Director for Financial Aid; B.S. Valley City State University, M.B.A. North Dakota State University

R

Robinson, Larry (1975) Director for Capital Campaigns; B.S., M.S. North Dakota State University

Rogelstad, Todd (2000) VCSU Bookstore Manager; B.S. University of North Dakota

S

Stricklin, Kari (1999) Director for Student Center and Student Activities; B.S. Valley City State University

T

Taft, Tamara Jo (2021) Director for Marketing Communications; B.A. Wartburg College

Tykwinski, Betty (2018) Director for Health Services/Worksite Wellness Coordinator; B.S.N. Mankato State University, M.S.N. Waldon University

Tykwinski, Joseph (1986) Executive Chief Information Officer; Assistant Professor; B.S., M.S. Mankato State University

W

Wirth, Jamie (2008) Director for Great Plains STEM Education Center; Professor of Mathematics; B.A. University of North Dakota, B.S. Mayville State University, M.A. Minot State University, Ph.D. North Dakota State University

Woehl, Kathryn (2010) Assistant Vice President for Academic Affairs; Professor of Social Science; B.S. North Dakota State University, M.S. St. Cloud State University, M.A. Ph.D. University of North Dakota

Z

Zahn, Cindy (2005) Director for Distance Elementary Education; Associate Professor of Education; B.S.Ed. Moorhead State University, M.Ed. University of Wisconsin-River Falls, Ph.D. North Dakota State University

NDUS Chancellor

Dr. Mark R. Hagerott

North Dakota State Board of Higher Education

The State Board of Higher Education is the policy-setting and advocacy body for the North Dakota University System and the governing body for North Dakota's 11 publicly supported colleges and universities. The SBHE also oversees the NDSU Extension Service and Agricultural Research Stations,

Northern Crops Institute, State Forest Service and the Upper Great Plains Transportation Institute.

The SBHE is made up of seven citizen members appointed to four-year terms by the governor and one student appointed by the governor to serve a one-year term. The Council of College Faculties selects the board's non-voting faculty advisor, and the NDUS Staff Senate selects the board's non-voting staff advisor.

Board Members

Casey Ryan, MD, Chair
Tim Mihalick, Vice Chair
Danita Bye
Jeffrey Volk
Nick Hacker
John Warford, DDS.
Kevin Black
Sadie Hanson, Student Member
Michael Linnell, Staff Advisor
Lisa Montplaisir, Ph.D., Faculty Advisor

For more information, visit ndus.edu/state-board-of-higher-education/board-members (<https://ndus.edu/state-board-of-higher-education/board-members-2/>). (<https://ndus.edu/state-board-of-higher-education/board-members/>)

Academic Calendar

Specific Add/Drop dates for each semester can be found on OneStop (<https://onestop.vcsu.edu/support/solutions/articles/10000076836/>).

Fall Semester 2023

August 21	Registration/classes start at 4:00 p.m.
August 22	First full day of classes
September 4	Holiday—Labor Day
November 7	Early spring registration
November 9	Spring registration opens
November 10	Veterans Day Observed
November 11	Holiday—Veterans Day
November 22-24	Holiday—Thanksgiving/Thanksgiving break
November 27	Classes resume
December 1	Last day to apply for spring graduation
December 11-15	Last week of classes/finals week
December 14	Commencement
December 19	Grades due

Spring Semester 2024

January 8	Registration/classes start at 4:00 p.m.
January 9	First full day of classes
January 15	Holiday—Martin Luther King Jr. Day
February 19	Holiday—Presidents Day
March 11-15	Spring break
March 18	Classes resume
March 18	Summer registration opens
March 29	Holiday—Good Friday
March 29-April 1	Holiday—Easter/Easter Break
April 2	Early fall registration
April 4	Fall registration opens
May 1	Last day to apply for summer and fall graduation
May 6-10	Last week of classes/finals week
May 11	Commencement
May 14	Grades due
May 27	Holiday—Memorial Day

Summer Semester 2024

May 13	Summer session begins
July 4	Holiday—Independence Day

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