

Career and Technical Education

Composite Major

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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.

“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

“Valley City State University rose to the occasion to assist the Department for Career and Technical Education in its efforts to create a degree program for Trade, Industry, Technical and Health Careers instructors. The content of the degree program is relevant to the needs of teachers with industry experience by adding instructional methodology to their experiences. This partnership has proven to be a very successful collaboration.” —Tony Scheerz, past supervisor; Trade, Industry, Technical and Health Education; North Dakota Department of Career and Technical Education

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 125	Introduction to Professional Writing	
or		
ENGL 120	College Composition II	
or ENGL 125	Introduction to Professional Writing	
ENGL 210	College Composition III	
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 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 161	Introductory College Physics I	
PHYS 162	Introductory College Physics II	
PHYS 251	University Physics I	
PHYS 252	University Physics II	
PSYC 111L	Introduction to Psychology Lab (Corequisite: PSYC 111 Introduction to Psychology) ¹	
TECH 161	Technology, Engineering, and Design	

Wellness		
HPER 100	Concepts of Fitness and Wellness	2

Technology		
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 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	
THEA 161	Acting One	

Art and Music		
Select one of the following:		3
ART 110	Introduction to the Visual Arts	
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 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 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 112	Design
ART 130	Drawing I
ART 150	Ceramics 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 PSYC 111L Introduction to Psychology Lab with PSYC 111 Introduction to Psychology will satisfy the Lab Science requirement. PSYC 111 Introduction to Psychology without PSYC 111L Introduction to Psychology Lab will satisfy the Social Science requirement. PSYC 111 Introduction to Psychology may not be used to satisfy both requirements.

Major Requirement

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. Student are strongly encouraged to enroll in CIS 491 Senior Portfolio in their last year of coursework		
Select one of the following options:		36-50
Teaching		
Management/Leadership		
Total Credits		36-50

Option 1 Teaching

Code	Title	Credits
CTE 431	History, Philosophy and Practices of Career and Technical Education	3
CTE 434	Leadership in Career and Technical Student Organizations	3
CTE 438	Developing and Managing Competency-Based Instructional Materials	3
CTE 490	Methods for Teaching Career & Technical Education Subjects	3
EDUC 240	Educating Exceptional Students	3
EDUC 250	Introduction to Education	3
EDUC 450	Trends in Assessment and Educational Issues	2
TECH 356	Safety and Management in Technical Education	3
TECH 491	Senior Portfolio	1
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 300	Educational Technology	
EDUC 340	Learning Disabilities, Emotional Disorders, and Intellectual Disabilities	
EDUC 400	Educational Psychology	
SPED 310	Behavior Modification	
STEM ED 450	Engineering the Future	
TECH 416	Innovations in Technology	
TECH 416L	Innovations in Technology Lab	
Total Credits		36

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 6-12 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.

Option 2 Management/Leadership

Code	Title	Credits
ACCT 200	Elements of Accounting I	3
ACCT 201	Elements of Accounting II	3
BUSI 485	Entrepreneurship	3
CIS 329	Information Systems Management	3
MGMT 330	Principles of Management	3
MGMT 340	Human Resource Management	3
MGMT 372	Foundations of Leadership	3
MRKT 305	Principles of Marketing	3
TECH 491	Senior Portfolio	1
Select twelve credits from the following:		12
BUSI 315	Business in the Legal Environment	
BUSI 350	Operations Management	
CIS 329	Information Systems Management	
COMM 304	Corporate Communication	
COMM 311	Communication and Interviewing	
COMM 312	Gender Communication	
COMM 314	Public Relations	
COMM 360	Group Dynamics	
MRKT 370	Advertising and Promotions	
MRKT 414	Social Media Management	



MRKT 415 Marketing Research

Total Credits 37

Total General Education 39 Hrs

Total Major Requirement 71-87 Hrs

Total Credits Needed to Graduate 120 Hrs

For degree and graduation requirements, visit degree requirements and graduation requirements (<http://catalog.vcsu.edu/undergraduate-catalog/academic-affairs/degree-requirements>).