

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 | | |

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| 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 | |

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| 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 | |

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| Wellness | | |
| HPER 100 | Concepts of Fitness and Wellness | 2 |

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| 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 | |

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| 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 | |

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| 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 | |



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| MUS 206 | World Music |
| MUS 207 | History of Rock and Roll |

Social Science

Select two of the following: 6

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| 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

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| 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>).