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.
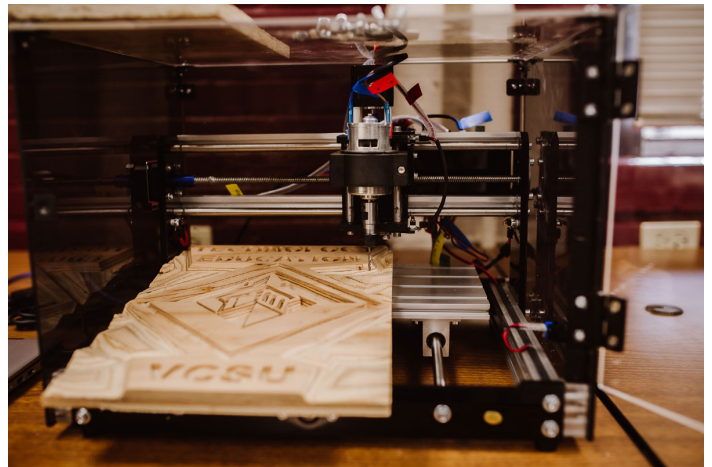
Meet a Graduate

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
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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		

Code	Title	Credits
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 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**

[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 (http://catalog.vcsu.edu/undergraduate-catalog/academic-affairs/degree-requirements/).