



## 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



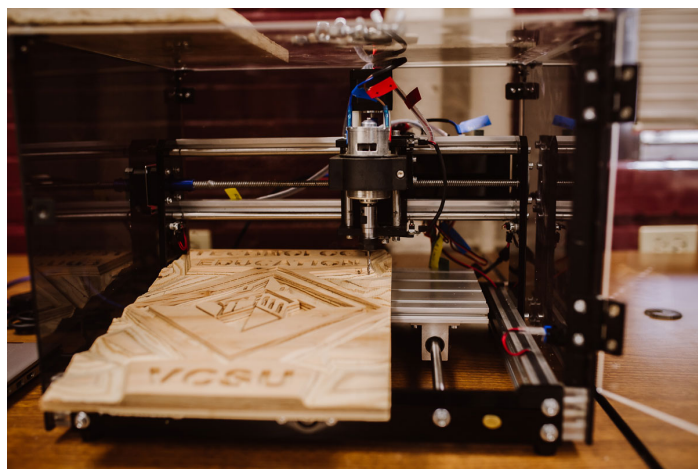
#### What made you choose VCSU?

"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

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#### Department Location

Vangstad 125, (701) 845-7515

#### Schedule your visit today!

<http://visit.vcsu.edu/>

(701) 845-7101 or (800) 532-8641



## General Education Requirements

Code	Title	Credits
<b>English Composition</b>		
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	
<b>Speech Communication</b>		
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
COMM 212	Interpersonal Communication	
COMM 216	Intercultural Communication	
<b>Mathematics</b>		
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	
<b>Lab Science</b>		
Select two of the following, one must come from the Natural and Physical Sciences category		8
Natural and Physical Sciences (ND:LABSC)		
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	
Additional Sciences (ND:SCI)		
PSYC 240	Cognition and Brain Science	
TECH 161	Technology, Engineering, and Design	
TECH 165	Technology Solutions for Society	
<b>Wellness</b>		
Select one of the following:		2
HPER 100	Concepts of Fitness and Wellness	
HPER 212	Introduction to Stress Management	
<b>Computer Science and Literacy</b>		
Select one of the following:		3
CIS 147	Principles of Information Security	
CIS 170	Introduction to Computer Information Systems <sup>1</sup>	
CSCI 120	Introduction to Programming	

CSCI 127	Introduction to Programming in Java
CSCI 160	Introduction to Structured Programming I
CSCI 289	Social Implications of Computer Technology <sup>1</sup>
SE 110	Discovering Computing
<b>Humanities</b>	
<b>Literacies</b>	
Select one of the following:	
ASL 101	American Sign Language I
ASL 102	American Sign Language II
COMM 211	Oral Interpretation
ENGL 220	Introduction to Literature
ENGL 225	Introduction to Film
ENGL 231	Bible as Literature
ENGL 232	Mythology
ENGL 236	Women and Literature
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
<b>Art and Music</b>	
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 201	World Music
MUS 207	History of Popular/Rock Music
<b>Social Science</b>	
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
<b>Additional Humanities or Social Science</b>	



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**

<sup>1</sup> Course satisfies the Digital Literacy graduation requirement.

## Major Requirements

Code	Title	Credits
<b>Required Technical Specialty</b>		
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.		
CTE 431	History, Philosophy and Practices of Career and Technical Education	3
CTE 432	Work Based Learning	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
Choose 12 credits from the following:		12
CTE 492	Career and Technology Education Teaching Experience <sup>1, 2</sup>	
or EDUC 49: 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  
TECH 416 Innovations in Energy and Power Technologies

**Total Credits 72-81**

- <sup>1</sup> 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.
- <sup>2</sup> 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 72-81 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/>).

## 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.