

# Career and Technical Education BSEd

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## Overview

Offered by the Department of Teaching and Learning, the **Bachelor of Science in Education in Career and Technical Education** (BSEd in CTE) is designed to prepare students who expect to teach career and technical education subjects in grades 7-12 and at the 2-year college level in public and private schools. Subject area content (occupational competency assessment credit for industry experience) and professional education content are combined with general education content (university curriculum) in order to provide the student with a general education, a field of specialization, and professional training. Moreover, the curriculum aims to combine these elements in such proportions as to give students the balanced perspective of the relation that industrial education bears to education as a whole.

BSEd in CTE students may complete one of the following **optional concentrations**:

- Business, Computer and Information Technology Education
- Marketing Education

Note: All students enrolling in the Business, Computer and Information Technology Education or Marketing Education concentrations are advised by the Office of Undergraduate Advising (edadvising@temple.edu) in the College of Education and Human Development and should meet with an advisor each semester. All other students are advised through the Center for Professional Development in Career and Technical Education (cteadv@temple.edu) in the College of Education and Human Development and should meet with an advisor each semester.

**Campus Locations:** Main and Online

**Program Code:** ED-CTE-BSED

## Accreditation

The program is approved as a teacher preparation program by the Pennsylvania Department of Education.

## Occupational Competency Assessment

For the BSEd in Career and Technical Education program and the career and technical teaching certification, there is an occupational experience and an occupational competency testing requirement which must be met. The student must pass an occupational competency assessment (or the equivalent) and have completed four years of occupational wage-earning experience (or 8,000 hours) beyond the time needed to learn the occupation. Learn more about eligibility requirements and how to apply for the OCA exam or credential review.

## Licensure/Certification

The BSEd in Career and Technical Education program consists of a total of 123 credits, of which sixty (60) of those credits may be used to secure a Career and Technical Instructional I and Career and Technical Instructional II certification. In addition, the student can also be awarded 24 credits for passing an Occupational Competency Assessment.

1. The total number of credit hours at graduation may be greater for some students based on initial placement exams, transfer evaluations, individual curricular choices, and academic progress.
2. Certain courses fulfill multiple requirements. In consultation with the advisor, students will be able to plan their curriculum more effectively.
3. Students must fulfill the necessary prerequisites for any given course or course sequence. See the Prerequisites and Co-requisites Policy in the university-wide Academic Policies section in this Bulletin.

## Career and Technical Certification Options for Practicing Teachers

### Cooperative Education Certification

School personnel interested in teaching and supervising students in work-based settings in Pennsylvania must be certified in Cooperative Education. This certification covers a variety of work-based settings for secondary students, including capstone programs, diversified occupations programs, shadowing experiences, work experience programs, internships, and job shadowing. The skill and knowledge included in this certification program also has application to post-secondary and adult settings.

Persons wishing to become teachers of cooperative education must apply to the program and provide information about their education and experiential backgrounds. Based on the information provided, a program of studies, which includes an internship, is prepared. Persons who enter this program holding a valid teaching certificate will work toward earning an "add-on" certificate in Cooperative Education, while others will work toward a "stand-alone" certificate. Persons wishing to enroll in this program should contact an advisor.

Learn more about cooperative education certification.

## Career & Technical Certification Program

This curriculum, which is offered in cooperation with the Pennsylvania Department of Education, is designed to prepare in-service teachers of career and technical education (industrial) subjects at the secondary, post-secondary, and 2-year college levels in public and private schools. Career and Technical Teacher Education courses may be taken on three levels: certification, undergraduate, and graduate. Persons who meet Pennsylvania Statutory requirements and who have at least four years (or 8,000 hours) of work experience beyond the learning period in a trade, technical, or other selected occupation may prepare for certification to teach occupational subjects or related classes in secondary level schools in Pennsylvania.

This program prepares students for Career and Technical Instructional I certification in Pennsylvania and, in general, is acceptable in other states. Work taken toward the certification objective may be applied to the undergraduate degree program. The courses are offered on a part-time basis for those who are employed as secondary level teachers in Pennsylvania.

Learn more about the undergraduate non-degree Career and Technical Education program requirements.

## Contact Information

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Learn more about the Bachelor of Science in Education in Career and Technical Education.

*These requirements are for students who matriculated in academic year 2024-2025. Students who matriculated prior to fall 2024 should refer to the Archives to view the requirements for their Bulletin year.*

## Summary of Requirements

### University Curriculum

1. All students are required to complete the university's General Education (GenEd) curriculum.
2. All students must take 6 s.h. of college level math and 6 s.h. of English composition and literature and pass the required state tests to be certified.
3. All students must take a minimum of two writing-intensive courses at Temple. The specific writing-intensive courses required for this major are EDUC 2296 and MGSE 3796.

## Major Requirements

Code	Title	Credit Hours
AOD 1166	Interpersonal Processes through the Life Span	3
CTE 3372	Project-based Learning for Today's CTE	3
CTE 4324	Industry-Based Coordination Methods for Work-Based Learning	3
CTE 4331	Industry-Based Instructional Methods for Work-Based Learning	3
EDUC 1017 or MATH 1021	Algebra and Algebraic Thinking for Educators College Algebra	4
EDUC 2103	Socio-cultural Foundations of Education in the United States	3
EDUC 2109	Adolescent Development for Educators	3
EDUC 2296	Effective Teaching: Theory and Practice (WI)	3
EDUC 2306	Assessment and Evaluation	3
MGSE 3796	Differentiated Literacy Instruction in the Disciplines (grades 7-12)	3
TESL 3631	Principles and Practice for Teaching English Learners	3
SGM 3501	Entrepreneurial and Innovative Thinking	3
SPED 2231	Introduction to Special Education	3
SPED 4103	Classroom Management and Positive Behavior Support	3
SPED 4109	Educating Students with Disabilities in Inclusive Settings	3
<b>Total Credit Hours</b>		<b>46</b>

## Program Requirements

Code	Title	Credit Hours
CTE 3101	Principles of Career and Technical Education	3
CTE 3102	Teaching Strategies in Career and Technical Education	3
CTE 3103	Curriculum in Career and Technical Education	3
CTE 4315	Credit by Examination	24
CTE 4416	Professionalism, Evaluation, and Assessment in Secondary Education	3
EDUC 4788	Student Teaching in Secondary Education/Career Technical Education	3
HDCE 2304	Families and the Community	3
SPED 4105	Assessment in Special Education	3
<b>Total Credit Hours</b>		<b>45</b>

Code	Title	Credit Hours
<b>Minimum Hours Required for Graduation</b>		<b>123</b>

Note: Matriculated students with work experience who have completed 90 s.h. of acceptable coursework may arrange through a credit by exam process for up to 24 s.h. to be recorded toward their degree.

## Suggested Academic Plan

### Bachelor of Science in Education in Career and Technical Education

#### Suggested Plan for New Students Starting in the 2024-2025 Academic Year

(Certain courses require that a student secure clearances as per the College of Education and Human Development policy; students should check the current list of courses that require clearances on the College of Education and Human Development web site.)

<b>Year 1</b>		
<b>Fall</b>		<b>Credit Hours</b>
ENG 0802 or ENG 0812 or ENG 0902	Analytical Reading and Writing [GW] <sup>1</sup> or Analytical Reading and Writing: ESL [GW] or Honors Analytical Reading and Writing [GW]	4
GenEd Quantitative Literacy Course (GQ) <sup>1</sup>		4
GenEd Breadth Course <sup>1</sup>		3
EDUC 2109	Adolescent Development for Educators <sup>2</sup>	3
<b>Credit Hours</b>		<b>14</b>
<b>Spring</b>		
IH 0851 or IH 0951	Intellectual Heritage I: The Good Life [GY] <sup>1</sup> or Honors Intellectual Heritage I: The Good Life [GY]	3
GenEd Breadth Course <sup>1</sup>		3
GenEd Breadth Course <sup>1</sup>		3
EDUC 2103	Socio-cultural Foundations of Education in the United States	3
Select one of the following:		4
EDUC 1017	Algebra and Algebraic Thinking for Educators	
MATH 1021	College Algebra	
<b>Credit Hours</b>		<b>16</b>
<b>Year 2</b>		
<b>Fall</b>		
GenEd Breadth Course <sup>1</sup>		3
GenEd Breadth Course <sup>1</sup>		3
GenEd Breadth Course <sup>1</sup>		3
SPED 2231	Introduction to Special Education <sup>2</sup>	3
EDUC 2306	Assessment and Evaluation	3
<b>Credit Hours</b>		<b>15</b>

<b>Spring</b>		
IH 0852 or IH 0952	Intellectual Heritage II: The Common Good [GZ] <sup>1</sup> or Honors Intellectual Heritage II: The Common Good [GZ]	3
EDUC 2296	Effective Teaching: Theory and Practice [WI]	3
AOD 1166	Interpersonal Processes through the Life Span	3
SGM 3501	Entrepreneurial and Innovative Thinking	3
CTE 4315	Credit by Examination	4
<b>Credit Hours</b>		<b>16</b>
<b>Year 3</b>		
<b>Fall</b>		
TESL 3631	Principles and Practice for Teaching English Learners <sup>2</sup>	3
SPED 4105	Assessment in Special Education	3
CTE 3103	Curriculum in Career and Technical Education	3
CTE 4324	Industry-Based Coordination Methods for Work-Based Learning <sup>3</sup>	3
CTE 4315	Credit by Examination	4
<b>Credit Hours</b>		<b>16</b>
<b>Spring</b>		
CTE 3101	Principles of Career and Technical Education	3
CTE 3372	Project-based Learning for Today's CTE	3
CTE 4331	Industry-Based Instructional Methods for Work-Based Learning <sup>3</sup>	3
CTE 4315	Credit by Examination	4
CTE 4416	Professionalism, Evaluation, and Assessment in Secondary Education	3
<b>Credit Hours</b>		<b>16</b>
<b>Year 4</b>		
<b>Fall</b>		
MGSE 3796	Differentiated Literacy Instruction in the Disciplines (grades 7-12) [WI]	3
HDCE 2304	Families and the Community	3
CTE 3102	Teaching Strategies in Career and Technical Education	3
SPED 4109	Educating Students with Disabilities in Inclusive Settings	3
CTE 4315	Credit by Examination	4
<b>Credit Hours</b>		<b>16</b>
<b>Spring</b>		
CTE 4315	Credit by Examination	8
EDUC 4788	Student Teaching in Secondary Education/Career Technical Education	3
SPED 4103	Classroom Management and Positive Behavior Support	3
<b>Credit Hours</b>		<b>14</b>
<b>Total Credit Hours</b>		<b>123</b>

<sup>1</sup> General Education course requirements can be found in the University Bulletin.

<sup>2</sup> Completion of 1) SPED 2231, 2) EDUC 2109 and 3) TESL 3631 constitute a waiver for the GenEd Human Behavior (GB) category if the courses are completed with a C- or better.

<sup>3</sup> Cooperative Education Certification:

1. This program completes 2 of the 3 course requirements for the Cooperative Education Certification.
2. The Cooperative Education NOCTI exam must also be passed.
3. See the Cooperative Education Program Coordinator for more details.