

# CAREER AND TECHNICAL EDUCATION (B.S.)

*Evening study available*

## Bachelor of Science Program

Program Code: BS-ED

Major Code: CTE

### Career, Technical, and Science Education Department

Bacon Hall 112

(716) 878-4717

[ctse.buffalostate.edu/ \(https://ctse.buffalostate.edu/\)](https://ctse.buffalostate.edu/)

Accredited: Council for the Accreditation of Educator Preparation (CAEP) (formerly NCATE)

**Enrollment in all teacher education programs follows the guidelines for "Admission to Teacher Education Programs" found in this catalog. Applicants who do not yet meet all admissions criteria should consult with the department.**

**Professional Licensure:** This program leads to a recommendation for NYS certification; please check for certification requirements in all other states (<https://academicaffairs.buffalostate.edu/professional-licensure-disclosures/>)

This program prepares career and technical teachers for teaching positions in city high schools, area vocational schools (BOCES), technical institutes, correctional facilities, and community college technical programs. It provides theoretical and practical preparation in planning, instructing, and managing the learning environment for students who have or will have extensive work experience in agricultural education, business and marketing education, family and consumer sciences subject education, health careers education, technical education, or trade education. Students in career and technical education complete coursework in career and technical education to be recommended for initial certification (grades 712) in New York State in one of over 83 certification titles. A complete listing of Certification Titles and Codes for Career and Technical Subjects can be found on the New York State Education Department Web site:<https://www.highered.nysed.gov/tcert/certificate/cte/certificate-titles.html>.

Candidates should consult the Teacher Certification website for current seminars and workshops. <https://teachercertification.buffalostate.edu/seminars-and-workshops> (<https://teachercertification.buffalostate.edu/seminars-and-workshops/>)

### Admission Requirements

1. One year full-time verified Occupational (trade) experience is a requirement for admission to this program.
2. Admission review.
3. Trade proficiency may be requested by a practical and theoretical examination.

### Program Requirements

Code	Title	Credit Hours
General Education 23 Requirements ( <a href="http://ecatalog.buffalostate.edu/undergraduate/collegewide-degree-requirements-baccalaureate-degrees/#IF_Courses">http://ecatalog.buffalostate.edu/undergraduate/collegewide-degree-requirements-baccalaureate-degrees/#IF_Courses</a> )		
33 credit hours		33
<b>Major Field (30 credit hours)</b>		
TTE 100	COMPREHENSIVE THEORETICAL TRADE OR TECHNICAL SKILLS	15
TTE 200	COMPREHENSIVE THEORETICAL TRADE OR TECHNICAL PERFORMANCE SKILLS	15
<b>Professional Requirements (30 credit hours)</b>		
CTE 301	FOUNDATIONS OF CAREER AND TECHNICAL EDUCATION	3
CTE 302	CURRICULUM AND EVALUATION IN CAREER AND TECHNICAL EDUCATION	3
CTE 303	INSTRUCTIONAL STRATEGIES IN CAREER AND TECHNICAL EDUCATION	3
CTE 306	CLASSROOM/LABORATORY MANAGEMENT	3
CTE 311	CAREER MENTORING	3
CTE 402	ASSESSMENT IN CAREER AND TECHNICAL EDUCATION	3
CTE 404	METHODS OF TEACHING CAREER AND TECHNICAL SUBJECTS	3
CTE 421	CAREER AND TECHNICAL EDUCATION FOR STUDENTS WITH SPECIAL NEEDS	3
TTE 413	STUDENT TEACHING CAREER AND TECHNICAL EDUCATION	6
<b>Required Courses in Other Fields (6 credit hours)</b>		

SPF 303	EDUCATIONAL PSYCHOLOGY: MIDDLE AND SECONDARY EDUCATION	3
EDU 416	TEACHING LITERACY IN MIDDLE AND SECONDARY SCHOOLS	3
<b>All College Electives</b>		
21 credit hours		21
<b>Total Credit Hours</b>		<b>120</b>

- Candidates demonstrate readiness for entry level teaching positions and achieve at high levels
- Candidates apply knowledge of child and adolescent development
- Candidates master technical skills required in teaching and planning instruction that ensures growth and achievement for all students
- Candidates implement instruction that engages and challenges all students to meet or exceed the learning standards
- Candidates work with all students to create a dynamic learning environment that supports achievement and growth
- Candidates use multiple measures to assess and document student growth, evaluate instructional effectiveness, and modify instruction
- Candidates demonstrate professional responsibility
- Candidates set individual goals and strive for growth
- Candidates demonstrate subject matter content mastery
- Candidates demonstrate application of subject matter content