TECHNOLOGY & ENGINEERING EDUCATION

Bachelor of Science in Education

Central to Using Technology to Improve Life.

Central's BSEd in Technology & Engineering Education provides hands-on, problem-based learning. The program prepares graduates to teach technology & engineering in Connecticut with an emphasis on STEM related topics. By developing technological literacy, students gain the knowledge and experiences to make decisions about technology ranging from their choices as consumers to questions about public policy.

Graduates are prepared to teach in elementary, middle, secondary, and adult Technology & Engineering program in Connecticut and throughout the United States.

Program Features

- Attend full- or part-time
- Small class sizes
- Classes held on-campus
- Access to new, state-of-the-art laboratories and technology
- Attendance and participation in regional and national conferences and competitions
- Dedicated faculty are experts in their field
- Financial aid and scholarships available
- Free on-campus child care available

DID YOU KNOW?

The prospects for students graduating with a degree in Technology & Engineering Education are excellent.

The job placement rate of Central Technology and Engineering since 2001 is over 100%.

CENTRAL CONNECTICUT STATE UNIVERSITY

ccsu.edu | 860.832.2278 | admissions@ccsu.edu

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What You'll Gain

- Possess and be able to teach and assess basic knowledge and skills in technology and engineering education, as outlined in the Standards for Technological Literacy, the Framework for K-12 Science Standards, and applicable state standards.
- Understand and be able to foster and assess student acquisition of age-appropriate technology and engineering concepts, as outlined.
- Demonstrate an ability to plan and maintain a safe, flexible, and age-appropriate learning environment which promotes inquiry and problem-based learning; and demonstrate the skills and knowledge to operate equipment and handle materials safely.
- Demonstrate an ability to design and adapt rigorous, appealing, standards-based student challenges which require students to research, design, test, and redesign solutions to ill-defined problems, and which meaningfully integrate studies of mathematics, science, engineering, technology, and other subjects.
- Demonstrate an ability to adjust instructional approaches in response to differing learning styles; to manage multiple, disparate student activities simultaneously; and to design and administer assessments which promote continuous reflection and improvement of teaching and learning.
- Demonstrate an ability to critically assess technological and educational tends, and when appropriate, promote change in technology and engineering education.

Professional Certification Requirements

Students begin observations in public schools during their second or third term. By the time they become student teachers in their fourth and final year, they have well over 100 hours of field work with K-12 students.

Graduates are prepared to become certified to teachers in the public schools of Connecticut. Most states recognize the Connecticut Teaching Certificate as meeting their state requirements for teaching.

Organizations & Affiliations

- **CENTRAL-TEECA** is the campus chapter of Technology & Engineering Education Collegiate Association.
  - Students participate in the Eastern Region TEECA Student held yearly in Delaware.
- **CENTRAL CARES** is a volunteer student organization that uses assistive technologies to help children with disabilities through their "GO BABY GO" Community Service program.
- **Epsilon Pi Tau** is a national honorary society for Technology Education. The Alpha Eta Chapter has been active since 1949.
- Students volunteer at Connecticut robotics and ROV competitions like **VEX Robotics**, **SeaPERCH**, and **First LEGO League**.
- Sponsor and run the twice annual **Connecticut Electrathon**, an electric vehicle event that attracts high-school teams from the Northeast.
- Membership in the **Connecticut Technology and Engineering Educations Teachers Association** allows attendance at lectures and workshops for no charge.
- Student regularly attend national conferences of the **International Technology & Engineering Education Association** held yearly throughout the U.S.

PROGRAM WEBSITE

ABOUT CENTRAL:
Central Connecticut State University is the largest university within the Connecticut State Colleges and Universities system. Founded in 1849, Central is also the state's oldest publicly funded university. Our campus is located in New Britain, Connecticut. Central is accredited by the New England Commission of Higher Education (NECHE).

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