



Central to Forging Ingenuity.

Enhance your employability with Central's MS in Mechanical Engineering. Designed for practicing engineers, learn from faculty active on the national and international level who strive to push the boundaries of human knowledge. What you learn in this program will position you to address current and future challenges facing our society.

Program Options

- **Design & Manufacturing:** Expand your horizons in design and manufacturing by choosing among courses such as machines and mechanisms, advanced GD&T, Design for Additive Manufacturing, and Advanced Manufacturing Engineering. The 11 elective courses of this option allow you to design your program to exactly match your career goals.
- **Thermo-Fluids & Energy:** Dive deep into thermo-fluid science by choosing from courses that include combustion, computational fluid dynamics, and turbomachinery. Our faculty share knowledge gleaned from decades of experience in the aerospace industry
- **Controls, Dynamic, & Aerospace Systems:** Zero in on new abilities with the skills and insights learned in this program. Optimize your degree to fit your needs by choosing from 13 classes like flight dynamics, design of control systems & uncertainties, and digital control.

Program Features

- Starts every January and August
- 30-credit program
- Attend full- or part-time
- Class times optimized for working students
- Online capabilities with streaming lectures
- State-of-the-art research and learning facilities including a 250 mph wind tunnel
- Access to 3D printers including:
 - Fused deposition modeling
 - Stereolithography
 - Laser sintering
 - Material jetting
 - Binder jetting
- ANSYS and Solidworks for finite element analysis
- CAD is used for creating designs in either 2D or 3D to visualize the construction
- Scholarship opportunities
- Financial aid is available
- No GMAT/GRE required



What You'll Gain

- Ability to apply acquired knowledge and insight into professional practice
- Skills to engage in original research
- Capability to share hard-won insights with the wider engineering community
- Hands-on learning opportunities
- Access to faculty with nearly 200 years of wide-ranging industry experience



DID YOU KNOW?

The annual mean salary for mechanical engineers in Connecticut was \$99k in May 2020.

Source: bls.gov



PROGRAM WEBSITE

Applying for Admission

For consideration, applicants must submit the following:

1. A completed online application with supplemental materials (ccsu.edu/apply):
 - A current resume (recommended)
2. Official undergraduate and graduate transcripts from a regionally accredited institution of higher education (GPA of 3.00 or higher, applicants with lower GPAs may be considered conditionally)
 - Applicants must hold a Bachelor of Science degree with a major in Mechanical Engineering from an ABET accredited program; or
 - Applicants that hold a four-year Bachelor of Science degree in a different Engineering specialty must complete the necessary prerequisite foundation courses, or their equivalents as specified by the Engineering department

Official transcripts may be sent directly to the Graduate Recruitment & Admissions Office:

By Mail: Central Connecticut State University
Graduate Recruitment & Admissions Office
1615 Stanley Street
Central Welcome Center
New Britain, CT 06050

By Email: graduateadmissions@ccsu.edu



We subscribe to Lewin's Maxim: "There is nothing more practical than a good theory."



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).

