

MECHANICAL ENGINEERING TECHNOLOGY

Bachelor of Science



Central to Putting Ideas into Action.

Central's BS in Mechanical Engineering Technology provides relevant industrial experience within the academic environment through laboratory projects, experimentation, classroom lecture, and demonstrations. Students access state-of-the-art computer facilities, materials testing, power transmission, fluids, automation, and manufacturing laboratories.

Students gain experience with computer software (CAD, CIM, and FEA - all widely used in industry) for incorporation into projects associated with key manufacturing areas typical of projects carried out in industry. The program places emphasis on mechanical design, component analysis, and product development.

Program Features

- Offers a well-balanced mix of analytical, experimental, and hands-on academic activities
- Classes on-campus, online, and hybrid format
- Coursework includes mathematics and basic physical sciences, technical writing, communications, and a variety of discipline specific courses
- Culminates with a two-semester, sometimes industry-sponsored, capstone design project
- Attend full- or part-time
- Internship and co-op opportunities
- Financial aid and scholarships available
- Free on-campus child care available



Engineering
Technology
Accreditation
Commission

The Mechanical Engineering Technology program is accredited by the Engineering Technology Accreditation Commission (ETAC) of ABET.



Career Preparation

Graduates can expect to obtain leadership positions involving applied engineering. Job titles held by our graduates include Mechanical Engineer, Manufacturing Engineer, Engineer, and Tool Designer. Graduates can anticipate both local and national employment opportunities. It provides graduates with the versatility of pursuing careers in product design, structural analysis, and manufacturing.

The mechanical engineering technology program is unlike a traditional mechanical engineering program. It provides opportunities for a more hands-on educational experience. Curriculum focuses less on math and more on the application of the concepts. While mechanical engineers are very design and theory-oriented, mechanical engineer technologists focus on putting ideas into action.

Main employers of our graduate are: Pratt & Whitney, Sikorsky, Kaman Aerospace, Hanwha Aerospace, Collins Aerospace, Stanley Black & Decker, General Dynamics, Trumpf, Medtronic, and Heinkel-Loctite.



When asking our students 'What was the best part about your experience in the Engineering Department at Central? They replied:

"The best part were teachers that offered real world experience and examples in their lectures as it made the degree seem more valuable and real."

"Being exposed to academic engineers who also have industry experience and come from a wide variety of industries."

"Graduating. Being in actual hands-on classes where you're using machines and test equipment. Being forced to critically think, not solve a math problem."

"The best part about my experience in the Engineering Department at Central were the hands-on laboratory experiments that reinforce concepts learned within the class."



Clubs

Society of Manufacturing Engineers offers students an immediate opportunity for professional growth in the field of technology and engineering through contacts with industry and presenting technical programs.

American Society of Mechanical Engineers promote and enhance the technical competency and professionalism in students, enhances student's leadership skills and contributions to local society, and encourages students' and members' contributions to the well-being of humankind.

Central's **Society of Women Engineers (SWE)** empowers and supports women through innovative programs that provide technical and leadership experience in open and encouraging environments.

National Society of Black Engineers (NSBE) recruits, retains, and motivates engineering students of color at Central. NBSE implements programs that promote academic excellence, personal growth, and career development as it seeks to increase the number of professionals committed to community development and prepared to successfully compete in technical surroundings.



DID YOU KNOW?

Internships and Co-ops are an important part of students' professional development. Although they are not required for graduation, participation rate is almost 100%. Student career services and faculty help identifying the opportunities for full and part time work in the local industry.



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).

