



Central to Innovating System Production.

Central's BS in Manufacturing Engineering Technology provides graduates with solid knowledge and marketable skills in applied engineering. With a solid foundation in the sciences complemented by general technical mechanical and manufacturing courses, as well as manufacturing-specific technical courses, students become adept in engineering graphics, 3D modeling, engineering materials and mechanics, manufacturing processes, instrumentation, hydraulics and pneumatics, electronics and electric power, CAD/CAM, geometric tolerancing, design, and engineering economics.

Students graduate with expertise in state-of-the-art computer tools used by major corporations, and their ability to solve real-world engineering problems makes them highly sought after by industry recruiters.

Program Features

- Well-balanced mix of analytical, experimental, and hands-on activities
- Classes on campus, online, and in hybrid format
- Two-semester, sometimes industry-sponsored, capstone design project
- Learn from excellent instructors in high-tech classrooms that provide real-world experiences and examples
- Attend full- or part-time
- Internship opportunities
- Financial aid and scholarships available
- Free on-campus child care available



Engineering
Technology
Accreditation
Commission

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



Career Preparation

Manufacturing engineering technology is a very polyvalent engineering discipline combining various aspects of engineering fields such as mechanical, aerospace, electrical, metrology, automation, robotics, production processes; aspects of operations planning, implementing, and tracking; business aspects of operations management.

The Society of Manufacturing Engineers (SME) is the leading professional organization in the discipline. Working in every imaginable industry, manufacturing engineering technologists are involved in product and process research and development, design, testing, implementation, maintenance, marketing, and sales.

Main employers of our graduate are: Pratt & Whitney, Sikorsky, Kaman Aerospace, Hanwha Aerospace, Collins Aerospace, Stanley Black & Decker, General Dynamics, Trumpf, Medtronic, Heinkel-Loctite, Electric Boat, The Lee Company, and IDEX Health & Science.



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).

