

ABOUT THE DEGREE PROGRAM

- Mechanical Engineering Technology concerns power and the machinery used to convert power to useful work.
- The Mechanical Engineering Technician is a practically-oriented member of the engineering team who applies existing technology to the solution of engineering problems.
- Students learn how to extract and analyze engineering data.
- Microcomputers are integrated into the curriculum to aid in both classroom and laboratory activities.
- Senior students are assigned projects in which they apply the principles they have learned.
- Applications to current technology are stressed and individual initiative is encouraged.
- The program is designed to train students as Mechanical Engineering Technicians ready for entry-level positions in industry upon graduation.
- Students enrolling in the Mechanical Engineering Technology program should plan to spend approximately \$60.00 on drafting equipment.

Plan Ahead



For further information about the Mechanical Engineering Technology degree, contact:

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Non-Discrimination Statement

CT State Community College does not discriminate on the basis of race, color, religious creed, age, gender, gender identity or expression, national origin, marital status, ancestry, present or past history of mental disorder, learning disability or physical disability, political belief, veteran status, sexual orientation, genetic information or criminal record in its programs and activities.

CT STATE
COMMUNITY COLLEGE

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New Haven, CT 06510
GatewayCT.edu

Rev:032323

CT STATE
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Mechanical Engineering Technology

Associate in Science Degree



20 Church Street
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Mechanical Engineering Technology - MCET-AS

CAREERS & SALARY

- Mechanical Engineering Technologists
Median Salary \$66,860
- Mechanical Engineering Technicians
Median Salary \$68,972
- Mechanical Engineers
Median Salary \$94,898
- Electromechanical Engineering Technologists
Median Salary \$66,860
- Electro-Mechanical Technicians
Median Salary \$62,272

PLACES TO WORK

- Collins Aerospace
- Electric Boat
- Lockheed Martin
- Otis Elevator Company
- Pratt & Whitney
- Praxair
- Stanley Black & Decker
- United technologies

PROGRAM REQUIREMENTS

General Education Courses (23-24 Credits)

Course	Title	Credits
ENG 1010	Composition	3
MATH 1610	Precalculus	4
ARHX	Arts & Humanities Course	3-4
PHYS 1201	General Physics I	4
HISX	Historical Knowledge Course	3
or SBSX	or Social/Behavior Sci Course	3
COMM 1301	Public Speaking	3
or ENG 1080	or ComplII:TechnicalWriting&Pres	3
CCS 1001	College&CareerSuccess	3

Program Courses (39-40 Credits)

Course	Title	Credits
TECH 1010	Introduction to Engineering Tech	3
MATH 2600	Calculus I	4
CAD 1330	2D CAD (AutoCAD)	3
CAD 2200	Para metric Design (SolidWorks)	3
EETA 1002	Electrical Applications	3
MFG 1004	Manufacturing Processes	4
MECH 1014	Statics	3
MECH 2071	Fluid Mechanics	4
or MECH 2040	or Fnds of Heat & Thermodynamics	4
MECH 2051	Materials Strength	4
MECH 2038	Dynamics	4
TECH	Any 2000-Level or higher in MECH, MFG, MATH, CAD, PHYS, EGR, EET, or EETA	3-4

PROGRAM OUTCOMES

Upon successful completion of all program requirements, the graduate should be able to:

- Possess the educational background to do one or both of the following:
 - Employment in Mechanical Engineering Technology or another related field.
 - Continue studies toward a bachelor's degree in Mechanical Engineering Technology or other related field.
- Perform effectively individually or as a member of a team working on Mechanical Engineering projects in industry or academia.
- Act with the high professional, moral and ethical standards expected of a Mechanical Engineering Technician.
- Demonstrate an ability to apply principles of mathematics, science, and technology to solve well-defined engineering problems.
- Formulate design solutions to well-defined technical problems.
- Apply written, oral and graphical communication techniques.
- Conduct experiments, test theories, and analyze and interpret results.

As a result of the training and preparation provided, the Mechanical Engineering Technology student is ready to be employed by industry or to continue their education towards a bachelor's degree upon graduation. Many students do both - they work in industry while they continue their education.

The blend of 'hands-on' experience with theoretical background, the applications to current technology, and the individual initiative that the student develops, make our graduates very marketable in the workforce, and successful in their pursuit of their bachelor's degree. Graduates of the Mechanical Engineering Technology Program are successfully employed in many different industries in such positions as laboratory technicians, field service technicians, design engineering technicians, application engineering technicians, and plant engineering technicians. Our alumni have graduated with a bachelor's degree from Central Connecticut State University, University of New Haven, Fairfield University and other local engineering and engineering technology programs.

CT State Community College's Mechanical Engineering Technology program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>.



Engineering
Technology
Accreditation
Commission

