

Mechanical Engineering Technology



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Mechanical engineering technicians assist mechanical engineers in every aspect of the profession, from design through manufacture, including testing, modifications, cost estimating and analysis. Typically those who are successful in this career do well in science and math.

The nation looks to this part of the country as a center for manufacturing, and the Upstate looks to Greenville Technical College to provide those manufacturers with qualified employees. Graduates of Greenville Tech's Mechanical Engineering Technology program have the knowledge to provide technical support and quality design to manufacturing and engineering processes.

Job Outlook

Graduates qualify for a wide variety of manufacturing and design-related careers. This field offers strong opportunities with a median annual wage of \$54,480 (\$26.19 per hour), according to the Bureau of Labor Statistics (2016). Growth in this field for the South Carolina region will be in the transportation industries (aircraft, automotive, and rail), large project design and construction (power plants, factories, bridges, and sports centers), and a host of replacement positions in various manufacturing and design jobs as many of the Baby Boomers begin to retire.

Accreditation

Greenville Technical College is accredited by SACS, the Southern Association of Colleges and Schools. All associate degrees offered through the Engineering Technologies programs at Greenville Technical College are accredited by the Engineering Technology Accreditation Commission (ETAC) of the Accreditation Board for Engineering and Technology (ABET), www.abet.org. Over the past nine years, more than 80% of GTC's Mechanical Engineering Technology program graduates have either gone right into the workforce, or have chosen to continue their education to earn a four-year degree.



Program Options

- Mechanical Engineering Technology Associate Degree
- Associate in Science/Mechanical Engineering Transfer Track

What you'll learn

- Machine & CAD Design
- Project & Materials Management
- Manufacturing Processes
- Robotics
- Quality Assurance
- Pipe Sizing & Pump Selection
- Measurement, Inspection, & Testing, including Coordinate Measurement Machine (CMM)
- Spreadsheet Problem Solving

Program Transfer to Four-Year Options

Mechanical Engineering Technology Associate Degree

This degree allows students to enter the workforce after earning an associate degree, or continue on to a bachelor's through USC Upstate, Western Carolina University, South Carolina State University or UNC Charlotte. Discuss this option with your advisor or the department head before registering for classes.

Associate in Science/Mechanical Engineering Transfer Track

Students who intend to pursue a bachelor's degree are strongly encouraged to consider the Mechanical Engineering Transfer Track. Check with your advisor to ensure that your chosen courses will apply and transfer smoothly to the four-year college or university of your choice, such as Clemson University or the University of South Carolina. Since requirements can change at other institutions at any time, it is well advised for students to also get in touch with the department head of the program you wish to transfer into to ensure you are meeting the correct requirements for entrance into that program.