We train CAD designers for industry.

Graduates of Greenville Technical College’s Engineering Design Technology program become CAD technicians, working with engineers and technical professionals to assist in the design and manufacture of a wide variety of industrial equipment, machinery, processes and consumer products. Graduates of the Engineering Design Technology program learn modern 2D and 3D CAD, and related technical skills in order to support quality design and manufacturing at companies all across the Upstate region.

Job outlook

The Upstate’s diverse manufacturing base provides thousands of high-wage careers for qualified professionals. Employment in the Upstate is growing, and the engineering and manufacturing sectors lead the way. According to the Upstate SC Alliance, more than 4,000 new jobs in this field are expected in the region over the next three to five years. Graduates qualify for a variety of CAD design and manufacturing-related careers. This field offers strong opportunities with median salaries in the $40,000 to $50,000 range, according to the Bureau of Labor Statistics (2013). Growth for this field in South Carolina will be in automotive, large project design and build, and a host of other industries as many 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 Technology 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.

Program Options

- Engineering Design Technology Associate Degree
- CAD & Drafting Fundamentals Certificate
- 3D Modeling CAD Design Certificate
What you’ll learn

- Industrial Drafting & Documentation
- 2D AutoCAD
- 3D SolidWorks CAD
- 3D CATIA V5 CAD
- 3D Rapid Prototyping
- Manufacturing Processes
- Project & Materials Management
- Geometric Dimensioning & Tolerancing
- Spreadsheet Problem Solving

Program transfer to 4-year options

Engineering Design Technology Associate Degree
This degree allows students to enter the workforce directly after earning the associate degree, or continue on to a bachelor’s degree through USC Upstate, Western Carolina University, South Carolina State University, or UNC Charlotte. Discuss options with your advisor or academic program coordinator before registering for classes.

Professional Certifications

- AutoCAD
- Solid Works
- CATIA V5

CAD models created in the classroom using Solid Works.