

# Engineering Technology

Sandy Warner, Department Head | 864-941-8466 | warner.s@ptc.edu



## Why Engineering Technology?

If you're fascinated by technology and enjoy a hands-on approach to problem solving, Engineering Technology may be the right career path for you. For more than 40 years, our Engineering Technology program has produced graduates whose skills and abilities have helped them obtain excellent jobs and pursue advanced degrees.

During the course of your studies, you'll get real-world training that will teach you the

practicalities of engineering rather than pure concepts or theories. Each of the four majors produces graduates who are well prepared to enter the job market in their chosen fields.

Our programs are closely tied to the needs of employers, so you can be sure the education you receive here will prepare you for a good job. We work diligently to make sure we continue to offer the cutting-edge courses and resources you need to get the right mix of skills and experience.

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**P**IEDMONT  
Technical College

**Your goals. Our mission.**

# Engineering Technology

## What will I do on the job?

Engineering Technology careers require the application of scientific and engineering knowledge combined with technical skills to support engineering activities such as design, research, development, programming, production and maintenance.

Depending on which major you choose, your career choices could include electronics or mechanics technician, CAD designer/drafter, maintenance mechanic, engineering assistant, computer test technician, research and design technician, and more.

With experience, it's possible to advance to positions in engineering, sales, or management. Some career paths may require further education.

## What skills will I use on the job?

Depending on your career path, some of your responsibilities could require you to:

- Assist in the design of tools, machine elements and industrial equipment
- Assist in the planning and operation of heat, steam, gas and water distribution systems
- Create solid models of designs using CAD
- Give technical information, aid and instruction to production workers
- Prepare working plans and mechanical drawings from information supplied by scientists, engineers, architects and other professionals
- Relay production, assembly and functional problems to engineers
- Troubleshoot, operate and repair electrical and electronic equipment
- Write specifications on the type, strength, size and quality of materials needed

## How much can I earn?

**S.C. Earnings Range:** \$28,200-\$73,100

**S.C. Average:** \$49,900

Many employers provide benefits, including health, dental and life insurance, retirement and profit sharing.

\*Statistics vary slightly by major. Based on employment statistics from South Carolina Wage Information and the Bureau of Labor Statistics. Visit our Web site for more information.

## Who will hire me?

Because of the variety of possible jobs, and continuing growth in industry, the employment outlook for Engineering Technology graduates is excellent.

Recent graduates have found jobs with firms like Capsugel, Covidien, Eaton Corporation, Fuji Film, General Electric, Norbord and many more world-class organizations.

**For more information about Engineering Technology, including course requirements, specific salary ranges and more, visit our Web site.**

**Piedmont Technical College • 1-800-868-5528 • [www.ptc.edu/engineering](http://www.ptc.edu/engineering)**

## Associate Degrees:

- Electronic Engineering Technology (TAC of ABET Accredited)
- Engineering Graphics Technology (TAC of ABET Accredited)
- General Engineering Technology
- Mechanical Engineering Technology

## Certificates:

- Computer Aided Drafting Design
- Electrical Engineering Transfer
- Mechanical Engineering Transfer

## Transfer Opportunities:

### **USC, Columbia**

Designed to facilitate the transfer of PTC students into the USC's Electrical Engineering or Mechanical Engineering programs. Equivalent to the first year of USC's Electrical or Mechanical Engineering B. S. program.

### **South Carolina State University**

Students who complete their A.S. in either MET or EET can transfer into SCSU's BS in Electrical Engineering Technology degree or Mechanical Engineering Technology degree programs.

### **USC, Upstate**

PTC students who earn an Engineering Technology Associate Degree can transfer credits toward USC Upstate's Engineering Technology Management BS program.

## Project Lead the Way:

We are a Project Lead the Way participant, and accept PLTW credits.

