

## Finding Direction

### WHAT WILL I DO ON THE JOB?

An engineering technician may perform a variety of tasks, including circuits and system testing, product development, prototype construction and testing, circuit and systems modification, and systems operation and manufacturing.

### WHAT SKILLS WILL I USE ON THE JOB?

Engineering technicians are expected to have good communication skills and be capable of creative problem solving, working independently and in teams. Also, engineering technicians must have extensive knowledge of both the hardware and software of electronic systems.

### WHO WILL HIRE ME?

Employers of engineering technicians and engineering technologists include research and development laboratories, electronic equipment manufacturers, semiconductor manufacturers, manufacturing and processing industries, public utilities, colleges and universities, government agencies, medical laboratories and hospitals, and electronic equipment distributors. You may find work at companies that manufacture and sell electronic instruments and systems or for firms such as Intel, Axiom Electronics, Cascade Microtech,

Credence Systems, ESI, Hewlett Packard, Maxim, Micro Systems Engineering, OECO, Oregon Public Broadcasting, Radisys, Selectron and Tektronix.

### HOW MUCH CAN I EARN?

Starting salaries with an associate's degree in electronic engineering technology range from \$30,000 to \$45,000. Those with experience or more advanced degrees can expect to earn \$40,000 to \$50,000 and above.

*"At PCC, I learned the skills employers are looking for, such as good verbal and written communication skills as well as teamwork. The instructors are interested in their students' success and keep in touch with them even after they've graduated."*

Ismael Franco (1999) PCC EET

*"It was a great experience because I was learning theory and discovering practical things in the lab at the same time. PCC provided me the basic knowledge to get into my career."*

Tuyet-le Voiculescu (1999) PCC EET

## Getting Started

### Electronic Engineering Technology (EET) Program

For additional information about the program, please visit our website at [www.pcc.edu/eet](http://www.pcc.edu/eet). Contact a program representative at 503-977-4163 or e-mail [kharrima@pcc.edu](mailto:kharrima@pcc.edu).

### PCC General Admission

To apply for admission to PCC, go to [www.pcc.edu/admission](http://www.pcc.edu/admission) or visit an admissions office at any one of our three comprehensive campuses or the PCC Southeast Center.

Portland Community College is accredited by the Northwest Commission on Colleges and Universities, an institutional accrediting body recognized by the Council for Higher Education Accreditation and the U.S. Department of Education.

Portland Community College is an Affirmative Action, Equal Employment Opportunity Institution. Financial aid available. Approved for veterans training.

If you have a disability that requires any special materials, services, or assistance, please contact the department offering the class at least 72 hours prior to the first class so they may arrange appropriate accommodations. For general information via TTY, call 977-4877.

### Electronic Engineering Technology

Portland Community College  
Sylvania Campus  
Science Technology Building, Room 208  
12000 SW 49th Avenue

503-977-4163; [kharrima@pcc.edu](mailto:kharrima@pcc.edu)  
[www.pcc.edu/eet](http://www.pcc.edu/eet)

# Electronic Engineering Technology



## Engineering Innovation

*“As a former student and graduate of the PCC Electronic Engineering Technology program, I believe in the quality of training demonstrated by the graduates of this program.*

*As a hiring production manager for Credence Systems Corporation, I consistently recruit graduates from this program because they possess the skills needed to be successful in troubleshooting and repairing our semiconductor test systems.”*

Larry Jones (1975), a manufacturing manager, Credence Systems Corporation

Employers prefer college graduates, so where and with whom you study can make a big difference. Our program’s difference is clear. Our Electronic Engineering Technology program has the breadth of courses, industry affiliations, and resources that enable you to begin your career in an innovative and enduring field.

We understand getting started in electronic engineering isn’t easy. That’s why we provide the right courses and resources so you get the skills and experience you need when you need it, whether you’re returning to school for a skills upgrade or just beginning your career.

## History of Excellence, Industry Affiliation

For more than 40 years, our Electronic Engineering Technology (EET) program has produced graduates whose superior skills and abilities have helped them obtain excellent jobs and pursue advanced degrees. Many of our graduates have achieved upper-level positions as engineering managers and quality control technicians in some of the Northwest’s most reputable firms, including Intel, Credence Systems, and Hewlett Packard.

Our program is at an institution accredited by the Northwest Association of Schools and Colleges Commission. In addition, our program offers unique flexibility with day and evening courses, “real-world” training, and quality instruction from those who possess advanced degrees and a broad range of industry experience.

## Academic Overview

- We offer a one-year certificate and an Associate of Applied Science in Electronic Engineering Technology.
- Our electronics courses offer a balance of analog, digital, and microprocessor technologies.
- State of the art labs are equipped with oscilloscopes with data acquisition capabilities, and a variety of standard industrial test equipment.
- Our diversified courses, coupled with state-of-the-art facilities, offer you a unique and affordable way to learn the skills that enable you to become an engineering technician or engineering technologist.

- As a graduate of PCC’s EET program, you’ll combine the theoretical knowledge, practical skills, and teamwork required to be a valued member of the industry.
- Our instructors’ industry experience ensures that you receive training that’s practical, efficient, and effective.
- Our curriculum is continuously updated to fit real-world scenarios. Industry contacts advise us on the latest needs and advances, so you receive the skills you need to succeed as an engineer.
- Financial aid and scholarships are available for eligible full-time and part-time students.
- In addition, you may transfer to the Oregon Institute of Technology for a B.S. in Electronics Engineering Technology, or in Renewable Energy Systems. PCC’s EET credits will transfer to most community colleges and electronic technology schools.

### Before entry into the program, students must:

- Attend an advising interview with an EET faculty advisor.
- Take COMPASS/ASSET test and show placement in MTH 111C and WR 115.
- Possess basic computer skills in the Windows operating system, word processing and spreadsheets.

### While in the program, students must:

- Maintain a minimum “C” average letter grade and complete all coursework.

## Career Overview

Electronic engineering technology is concerned with the theory and practice of applied electronics engineering, which requires a thorough knowledge of mathematics and science. The Associate of Applied Science in Electronic Engineering Technology enables you to become an engineering technician (Graduates of a bachelor of science program are generally called “engineering technologists.”). Employers of engineering technicians and technologists include: research and development laboratories, electronic equipment manufacturers, public utilities, colleges and universities, government agencies, medical laboratories and hospitals, electronic equipment distributors, semiconductor manufacturers, and manufacturing and processing industries that use electronic control equipment.

