

ELECTRONIC TECHNOLOGY, Certificate - 4310

Engineering & Technology Department

CIP Code: 15.0303

This program is designed primarily for students who are working in electronics and wish to advance in their careers. This program permits students to have an option of choosing an analog or a digital specialization for their certificate. This program is only available at the Harrisburg Campus.

Career Opportunities

Graduates of the program enter the job market at an introductory level in a variety of electronic-related industries as service technicians or technical information specialists. They work in a laboratory or customer-oriented environment. (SOC Code 17-3024 Electro-Mechanical Technicians)

Link to occupational profiles on O*NET: <http://www.onetcodeconnector.org/>

Application and admission information: <http://www.hacc.edu/Admissions/Apply/index.cfm>

Competency Profile

This curriculum is designed to prepare students to:

- Construct electronic prototype circuits
- Test electronic circuits with modern laboratory equipment
- Install, operate, service, and troubleshoot complex electrical and electronic equipment
- Prepare reports under the supervision of engineers

PROGRAM REQUIREMENTS (TOTAL CREDITS = 32)

| General Education | Major Requirements | | Other Required Courses | |
|-------------------|--|----------|--------------------------|----------|
| | ELEC 100 Fundamentals of Electricity and Electronics | 1 | MATH 103 College Algebra | 3 |
| | ELEC 101 Equipment Utilization | 1 | MATH 104 Trigonometry | <u>3</u> |
| | ELEC 106 Fundamentals of Electronics | 4 | | 6 |
| | ELEC 108 Applied Digital Electronics | 3 | | |
| | ELEC 111 AC/DC Circuits I | 4 | | |
| | ELEC 125 Introduction to PC Technology | 3 | | |
| | ELEC 126 Installing and Troubleshooting PCs (or) | 4 | | |
| | ELEC 211 AC/DC Circuits II | (4) | | |
| | ELEC 213 Digital Electronics (or) | 4 | | |
| | ELEC 203 Electronic Circuit Design | (4) | | |
| | ENGR 102 Engineering & Engineering-Tech Orientation | <u>2</u> | | |
| | | 26 | | |

Please see the College's website at <http://www.hacc.edu/ProgramsandCourses/Electronic-Technology-4310.cfm> for the most current Gainful Employment Information.