

a Great  
**place**  
to start 

# GENERAL ELECTRONICS



education that works!

The General Electronics courses are taught over two semesters and consist of electronic theory, laboratory experiments, applied mathematics, and practical applications which prepare students to work with solid state and digital systems.

Upon completion of the General Electronics Technology courses, the student has the option to seek employment as a Maintenance Technician, Electrical Equipment Technician or Electronic Test Technician. Students may also continue their electronic education in one of the two areas of emphasis.

This program participates in the CCCS common course numbering system for course transfer to Colorado Community Colleges.

### The following certificate may be earned:

General Electronics Technology Certificate

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### General Electronics Technology Certificate

**Certificate Length:** 2 semesters

### Courses required for this certificate:

#### Fall Semester

ELT 106 Fundamentals of DC/AC  
ELT 134 Solid State Devices I  
ELT 136 Introduction to Transistors  
ELT 163 Soldering  
ELT 137 Advanced Transistors  
ELT 215 Operational Amplifiers

#### Spring Semester

ELT 147 Digital Devices I  
ELT 148 Digital Devices II  
ELT 265 Microcontrollers  
ELT 268 Robotics Technologies  
ELT 258 Programmable Logic Controllers  
ELT 267 Introduction to Robotics  
ELT 285 Independent Study

Total: Clock Hours: 600 Credit Hours: 34



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Cost and information revised June, 2018 and subject to change

### Class hours

12:05-2:55 pm, M, T, W, Th, F

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### Estimated cost

Tuition\*\*/Credit Hour Fee:

**Semester 1:** \$1,856.00(Tuition)  
                  \$210.00(Credit Hour Fee)  
                  \$2,066.00

**Semester 2:** \$2,088.00(Tuition)  
                  \$230.00(Credit Hour Fee)  
                  \$2,318.00

**Program charges:** \$500.00/semester\*

**Student ID:** \$10.00/yearly

**CTSO Charge:** \$20.00/yearly

**Estimated Total:** \$5,442.00 (plus tax)

Students will be required to pay the program charge each semester they attend\*

Based on Colorado Resident In-state tuition\*\*

*Additional costs may apply. All books, kits & supply costs are estimated. Please contact our Advising Department (303)344-4910, ext 27909 or ext 27935.*

*The General Electronics Technology Certificate is eligible for Financial Aid. You may begin the Financial Aid process by completing your Free Application for Federal Aid (FAFSA) at [www.FAFSA.ed.gov](http://www.FAFSA.ed.gov). If you have further questions, please call (303)344-4910, ext 27797*

Please visit [www.pickenstech.org](http://www.pickenstech.org) to view our catalog online for course descriptions.