

Electronics Technology Certificate

Electronic technology influences almost every aspect of modern life. Skilled electronics technicians are needed to support growth in this industry. Electronics technicians fabricate, test, install, operate, troubleshoot, and maintain highly technical systems such as communications systems, computers, and computer networks, industrial process control systems, avionics, biomedical electronics, and photonics systems.

This certificate is designed to prepare the student for entry into the electronics field as an apprentice electronics technician. The program provides education in the basic information and skills necessary to perform the assigned duties of an apprentice electronics technician safely and professionally.

Students will work with excellent facilities and some of the latest laboratory equipment.

Completers of the certificate will have the opportunity for employment in one of today's most challenging and exciting career fields. Certificate completers may also earn an Associate of Applied Science in Electronics (<https://catalog.jccc.edu/archives/2024-25/degreecertificates/electronicstechnology/electronics-technology-aas/>) by taking two additional semesters of Electronics Technology coursework.

(Major Code 6220; CIP Code 47.0101)

Electronics Technology Program web page (<http://www.jccc.edu/academics/credit/electronics-technology/>)

Certificate Requirements

First Semester

Code	Title	Hours
COMS 155	Workplace Skills	1
ELEC 120	Introduction to Electronics	3
ELEC 125	Digital Electronics I	4
ELEC 134	DC Circuits*	4
MATH 130	Technical Mathematics I*	3
Total Hours		15

Second Semester

Code	Title	Hours
CS 134	Programming Fundamentals	4
ELEC 186	CompTIA A+ Core 1	3
ELEC 227	Digital Electronics II*	4
ELEC 234	AC Circuits*	4
MATH 131	Technical Mathematics II*	3
Total Hours		18

Total Program Hours: 33

* This course has registration requirements.