

ELECTRONICS TECHNICIAN CERTIFICATE

Program code: ELTC-CC

Location: Gateway

Program Description

The Electronics Technician Certificate program is designed for students who are interested in pursuing immediate employment in the electronics industry, while allowing for advanced educational opportunities. Students will acquire a solid electrical and electronics background along with industrial skills to work with hand tools and electronic instrumentation in conjunction with electrical, electronic, and digital circuits. They will also use the latest CAD software to design and simulate electronic circuits.

Learning Outcomes

Upon successful completion of all program requirements, graduates will be able to:

1. Evaluate and operate of a variety of devices and components used in electrical, electronic and digital circuits, along with their respective applications
2. Use Electronic CAD software to draw and simulate electrical and electronic circuit operations
3. Demonstrate the role and function of the necessary tools required in the construction of electrical and electronic circuits and systems
4. Construct electrical, electronic and digital circuits from industry-derived schematics
5. Operate various instrumentation devices for testing and measuring circuit parameters within electronic circuits and systems
6. Work cooperatively and productively with others in a laboratory setting

All courses in this certificate can be applied to the Associate of Science in Computer Engineering Technology.

Certificate Requirements

Code	Title	Credits
Required Courses		
CAD 1026	Electronics Graphic CAD	3
CENT 1016	Computer Applications for Technology	3
CENT 1010	Electric Circuits for Technology	4
CENT 1036	Electronics for Technology	4
CENT 2052	Digital Electronics for Technology	4
Technical Elective ¹		4
Total Credits		22

¹ Choose any 4+ credit course with an EETA or CENT prefix or any course approved by the Program Coordinator (PC).