

Electronics Engineering Technology

Program ENGR.ELCT.CERT
CIP 150303



Certificate of Proficiency

The Electronics Engineering Technology certificate program provides students with the level of technical competency normally required of technicians in the field of digital/microcomputer electronics.

Students may be eligible for credit or advanced standing for work experience in electronics.

PROGRAM OUTCOMES

- Analyze, test, troubleshoot, and repair electronic circuits;
- Operate modern electronics test equipment to diagnose, troubleshoot, and repair electronic circuits;
- Display knowledge of basic analog and digital communication systems.

All courses in this program completed with a grade of C or better may be applied toward the Electronics Engineering Technology Associate in Applied Science degree program.

Admission to the certificate program requires a high school diploma or equivalent with two years of algebra and one year of laboratory science (chemistry or physics preferred). In a particular year, some required courses may be available only during the day or evening.

Electronics Technology

Program ELECTRONICS.CERT
CIP 150303

Certificate of Proficiency

The Electronics Technology certificate program provides students with the level of technical competency required of entry-level technicians or apprentices in industries involved in electronics repair and assembly.

PROGRAM OUTCOMES

- Analyze, troubleshoot, and repair electronic circuits;
- Operate modern electronic test equipment;
- Repair printed circuit boards;
- Construct metal chasses for electronic products;
- Assemble simple circuits and products.

All courses in this program completed with a grade of C or better may be applied toward certain A.A.S. degree programs, including the Energy Systems Technology Associate in Applied Science degree program. Admission to this certificate program requires a high school diploma or its equivalent as well as completion of all remedial classes.

Certificate Curriculum

Code	Course (lecture/lab hours)	Credits
ENG 101	English Composition I (3/0)	3
EET 138	Introduction to Electronics I (3/3)	4
EET 139	Introduction to Electronics II (3/3)	4
EET 251	Digital Circuit Fundamentals (3/3)	4
EET 219	Electronic Networks (3/3)	4
MAT —	Mathematics elective ¹	4
— —	Technical electives ²	12
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¹ MAT 146 or higher depending on placement.

² All electives must be selected with the approval of an EET advisor. Suggested electives include EET 140, 214, 215, 230, 263.

Curriculum

Code	Course (lecture/lab hours)	Credits
EET 130	Fundamentals of Electronics (2/2)	3
EET 140	Electronic Construction (1/3)	2
EET 215	Fiber Optics (3/2)	4
ENG 101	English Composition I (3/0)	3
MAT —	Mathematics elective ¹	3-4
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DRA 218	3-D Modeling / 3-D Printing (2/2)	3
EET 132	Electronic Devices and Circuits (3/3)	4
EET 141	Electrical Wiring and Cabling (2/2)	3
EET 230	Linear Integrated Circuits (3/3)	4
EET 251	Digital Circuit Fundamentals (3/3)	4
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¹ Select in consultation with an academic advisor.

NOTE: All program listings are subject to periodic updates. Please consult your program advisor, academic division, or www.mccc.edu/programs_certificate