

ELECTRONICS TECHNOLOGY - LEVEL 2 (CERTIFICATE N0680)

Technology and Health Division

Certificate N0680

This program covers the fundamentals of Electronics Technology plus additional coursework in other areas of specialty. It is composed of the same 12 unit coursework from the Electronics Technology Level 1 certificate plus 12 additional elective units chosen from other electronics courses within the Electronics Department. This certificate allows students the flexibility to combine Electronics courses to meet individual goals in a specialty of their choosing. This Level 2 certificate will prepare students with the requisite knowledge for subsequent Electronics certificates and degrees.

Required Courses

Course Prefix	Course Name	Units
ELEC 50A	Electronic Circuits - Direct Current (DC)	4
ELEC 50B	Electronic Circuits (AC)	4
ELEC 56	Digital Electronics	4

Required Electives

Students may choose from any of the courses in List A or List B to fulfill the 12 units of required electives 12-15

List A: Associate Degree Track

ELEC 11	Technical Applications in Microcomputers
ELEC 12	Computer Simulation and Troubleshooting
ELEC 51	Semiconductor Devices and Circuits
ELEC 53	Communications Systems
ELEC 54A	Industrial Electronics
ELEC 54B	Industrial Electronic Systems
ELEC 55	Microwave Communications
ELEC 61	Electronic Assembly and Fabrication
ELEC 74	Microcontroller Systems
TECH 60	Customer Relations for the Technician

List B: Other acceptable courses

CNET 56	Computer Networks
ELEC 10	Introduction to Mechatronics
ELEC 62	Advanced Surface Mount Assembly and Rework
ELEC 76	FCC General Radiotelephone Operator License Preparation

Total Units	24-27
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Program Learning Outcomes

Review Student Learning Outcomes (SLOs) (<http://www.mtsac.edu/instruction/outcomes/sloinfo.html>) for this program.