

ELECTRONICS ENGINEERING TECHNOLOGY (AS DEGREE S0681)

Technology and Health Division

Degree S0681

This A.S. Degree in Electronics Engineering Technology combines core courses in Electronics Technology plus additional math and science support courses. This degree is ideal for students who want the flexibility of receiving a skills based vocational degree that can immediately be applied to the job market, or for transfer towards a 4 year degree in Electronics Engineering Technology or Electronic Systems Engineering Technology at a four year university. This degree aims at maximizing the number of courses that meet the lower division requirements of the four year programs at local universities. Topics in core courses focus on direct and alternating current, electronic devices, digital and industrial electronics, as well as the electronic assembly and fabrication.

Students completing this degree will be prepared with the necessary knowledge to make them versatile employees. Typical technician-level job classifications include electronics technician, electronics drafter, calibration technologist, field service technician, field engineer, customer service technician, and maintenance technician.

Required Courses

Course Prefix	Course Name	Units
CISP 31	Programming in C++	3
CISP 31L	Programming in C++ Laboratory	0.5
ELEC 50A	Electronic Circuits - Direct Current (DC)	4
ELEC 50B	Electronic Circuits (AC)	4
ELEC 51	Semiconductor Devices and Circuits	4
ELEC 54B	Industrial Electronic Systems	3
ELEC 56	Digital Electronics	4
ELEC 61	Electronic Assembly and Fabrication	3
MATH 150	Trigonometry	3
PHYS 2AG	General Physics	4
PHYS 2BG	General Physics	4
Total Units		36.5

Program Learning Outcomes

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