

ELECTRONICS TECHNOLOGY

Certificate of Completion #24073

This one-year program covers the fundamentals of electronics technology. These core courses provide the necessary skills for those seeking entry-level employment as electronics technicians without areas of specialization. A course in customer-relations training is also included.

Program Learning Outcomes

- Students will be technically competent.
- Students will be employed or seeking employment in the field or a related field.
- Students will employ polar and/or rectangular notation to determine the magnitude and phase shift of an unknown circuit parameter (voltage, current, impedance, and/or power).

Review [Student Learning Outcomes \(SLOs\)](#) for this program.

Required Courses

Course Prefix	Course Name	Units
VOC EL11	Technical Applications in Microcomputers	
VOC EL50A	Electronic Circuits - Direct Current (DC)	
VOC EL50B	Electronic Circuits (AC)	
VOC EL51	Semiconductor Devices and Circuits	
VOC EL56	Digital Electronics	
VOC EL61	Electronic Assembly and Fabrication	
VOC TCH60	Customer Relations for the Technician	

Back to Vocational Programs (<http://catalog.mtsac.edu/programs/noncredit-programs/programsaz/vocational-programs/>)

Vocational Studies

Continuing Education classes, also known as "Noncredit," are financially supported by the state of California and are offered tuition-free. Noncredit classes are designed to provide students with a high-quality learning experience with the opportunity to gain new skills and embark on new career pathways. Noncredit programs at Mt. SAC include Adult Basic Education (ABE), Education for Older Adults (EOA), English as a Second Language (ESL), Short-Term Vocational (STV), Vocational Re-Entry (VRE), and IMPACT/Adults with Disabilities (AWD). Below are certificate opportunities in the STV and VRE programs.

Course	Title	Units
Fall Term 1		
VOC EL11	Technical Applications in Microcomputers ⁰	0
VOC EL50A	Electronic Circuits - Direct Current (DC) ⁰	0
VOC EL50B	Electronic Circuits (AC) ⁰	0
	Units	0
Spring Term 1		
VOC TCH60	Customer Relations for the Technician ⁰	0
VOC EL61	Electronic Assembly and Fabrication ⁰	0
VOC EL56	Digital Electronics ⁰	0
	Units	0

Fall Term 2

VOC EL51	Semiconductor Devices and Circuits ⁰	0
	Units	0
	Total Units	0