

ELECTRONIC SYSTEMS TECHNOLOGY - LEVEL 2

#24416

This Level 2 certificate builds on the skills and concepts learned in level 1 and adds customer relations (soft skills) and the installation, calibration, setup, maintenance and troubleshooting of home theater systems, home automation and home security systems.

Program Learning Outcomes

- Students will demonstrate technical competence in the areas of home security, home theater, and consumer electronic device repair.
- Students will be employed or seeking employment in the field or a related field.

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

Required Courses

Column 1	Column 2
Certificate Requirements:	
Completion of the Electronic Systems Technology - Level 1 Certificate coursework	
PLUS	
Completion of the Electronic Systems Technology - Level 2 coursework	

Required Courses

Course Prefix	Course Name	Units
Electronic Systems Technology - Level 1 Coursework		
VOC EST50	Electrical Fundamentals for Cable Installations	
VOC EST52	Fabrication Techniques for Cable Installations	
VOC EST54	Cable and Wiring Standards	
VOC EL11	Technical Applications in Microcomputers or VOC CSB15 Microcomputer Applications	

Course Prefix	Course Name	Units
Electronic Systems Technology - Level 2 Coursework		
VOC EST56	Home Theater, Home Integration & Home Security Systems	
VOC EST62	Electronic Troubleshooting 1	
VOC TCH60	Customer Relations for the Technician	
VOC EST64	Electronic Troubleshooting 2	

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