

# VOC: COMPUTER SYSTEMS TECHNOLOGY

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## #24284

The Computer Systems Technology curriculum encompasses advanced coursework in computer systems circuitry, including microcontrollers and microprocessors.

### Program Learning Outcomes

- Students will be employed or actively seeking employment in the field or a related field.
- Students will be technically proficient.
- 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) (<http://www.mtsac.edu/instruction/outcomes/sloinfo.html>) for this program.

### Required Courses

Course Prefix	Course Name	Units
VOC EL11	Technical Applications in Microcomputers	
VOC EL12	Computer Simulation and Troubleshooting	
VOC EL50A	Electronic Circuits (DC)	
VOC EL50B	Electronic Circuits (AC)	
VOC EL51	Semiconductor Devices & Circuits	
VOC EL56	Digital Electronics	
VOC EL61	Electronic Assembly and Fabrication	
VOC EL74	Microcontroller Systems	
VOC TCH60	Customer Relations for the Technician	