

# MANUFACTURING AND ELECTRICAL SYSTEMS

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## Certificate of Completion #37445

Theory and practical training for job entry into manufacturing such as electrical assembly technicians and fabricators. Troubleshooting electrical systems and basic assembly systems. Covers troubleshooting, theory of electrical systems, quality control, building electrical harnesses, blueprint reading, and operation of a variety of tools. Prepare for the workplace with introduction to business and job readiness skills.

### Program Learning Outcomes

- Students will be employed or actively seeking employment in the field or a related field.
- Students will demonstrate job readiness skills.

Review Student Learning Outcomes (SLOs) (<https://www.mtsac.edu/slo/>) for this program.

### Required Courses

Course Prefix	Course Name	Units
VOC MFTH	Manufacturing Theory and Blueprint Reading	
VOC MFPP	Manufacturing and Production Principles	
VOC MFES	Manufacturing and Electrical Systems	
BS ABE05	Career Development	