

# WELDING (AS DEGREE S0919)

## Technology and Health Division

### Degree S0919

This program is designed to prepare the student for employment in the broad field of welding. It leads to occupations in manufacturing and repair and helps prepare the student for positions in supervision.

Courses in the welding curriculum prepare students for welding certification. The college is a testing agency for the City of Los Angeles and is authorized to administer the performance test for the Structural Welding Certificate. There is a \$50 charge for students and \$60 for non-students to take this test. Topics of the written portion of the test which is administered by the city are reviewed in various welding courses offered by the college. This program is intended to prepare students for employment following graduation. Students desiring a bachelor's degree (transfer program) should consult with a counselor or advisor to discuss transferability of courses.

This degree requires the completion of General Education coursework plus the following:

## Required Courses

Course Prefix	Course Name	Units
WELD 40	Introduction to Welding	2
WELD 50	Oxyacetylene Welding	2
WELD 51	Basic Electric Arc Welding	2
WELD 53A	Welding Metallurgy	3
WELD 70A	Beginning Arc Welding	3
WELD 70B	Intermediate Arc Welding	3
WELD 70C	Certification for Welders	3
WELD 80	Construction Fabrication and Welding	3
Total Units		21

## Recommended Electives

Course Prefix	Course Name	Units
BUSM 61	Business Organization and Management	3
WELD 30	Metal Sculpture	2
WELD 60	Print Reading and Computations for Welders	3
WELD 81	Pipe and Tube Welding	3

Air Conditioning & Welding Website (<http://www.mtsac.edu/airconditioning-welding/>)

Guided Pathways of Study Suggested Course Sequence (<https://www.mtsac.edu/guided-pathways/pathway-results.html?pthwyvar=S0919&desc=Welding%2C+AS+S0919&status=online>)

## Program Learning Outcomes

*Upon successful completion of this program, a student will:*

- Be prepared to pass the Los Angeles City Structural Steel Exam.
- Be employed or seeking employment in their area or a related area.

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