



DIVISION OF CAREER & TECHNICAL EDUCATION

WELDING TECHNOLOGY

ASSOCIATE OF SCIENCE DEGREE

The courses required in this degree compiles a comprehensive list of job related skills needed to acquire advanced welding skills. The skills acquired during class will prepare an individual to take and pass the City of Los Angeles Certified Welder Exam, which also aligns with American Welding Society (AWS) standards.

To acquire the **Associate of Science Degree in Welding Technology**, students must complete the required major courses below with a grade of "C" or better along with one of the following:

- RHC GE and Proficiency requirements
- CSU GE (California State University General Education Breadth)
- IGETC (Intersegmental General Education Transfer Curriculum)

| Required Courses | | Units | N | IP | C |
|--|---|--------------|---|----|---|
| WELD 040 | Introduction to Welding Processes | 2 | | | |
| WELD 041 | Elementary Metallurgy (formerly TCED 060) | 2 | | | |
| WELD 045 | Basic Electric Arc Welding | 2 | | | |
| WELD 050 | *Semi-Automatic Welding Processes | 2 | | | |
| WELD 055 | *Manual Electric Arc Welding Processes | 4 | | | |
| WELD 060 | Production Welding Techniques | 4 | | | |
| WELD 065 | *Inert Gas Welding | 4 | | | |
| WELD 070 | *Advanced Inert Gas Welding | 4 | | | |
| Select one course from the following: | | | | | |
| TCED 090 | Blueprint Reading for Industry | 2 | | | |
| WELD 075 | *Certification Welding I | 4 | | | |
| Total major units needed for Associate of Science | | 28-30 | | | |
| Units Completed | | | | | |
| *Prerequisite/Corequisite | | | | | |