



# Fresno City College

WELDING TECHNOLOGY  
2022-2023

Name: \_\_\_\_\_

ID: \_\_\_\_\_

Date: \_\_\_\_\_

Counselor Contact: \_\_\_\_\_

**Major Requirements: 38.5-42 units**

**A grade of "C" or better is required in the following courses**

ASSOCIATE IN SCIENCE	C-ID	Units	Completed	In Progress	Planned
AT 10, Technical Computer Applications		3			
AT 21, Occupational Safety & Health		2			
AT 40, Preparing for Employment Opportunities		3			
AT 130, Industrial Mathematics		3			
DRAFT 12, Drafting Practices		3			
WELD 2A, Introduction to Welding Technology <b>AND</b> WELD 2B, Advanced Multi-Process Welding  <b>OR</b> WELD 6A, Shielded Metal Arc Welding Theory and Application <b>AND</b> WELD 6B, Semi-Automatic Wire Feed Welding <b>AND</b> WELD 6C, Gas Tungsten Arc Welding Theory and Application		10.5-11			
<b>Select one option (14-17 units):</b>					
<b>METAL FABRICATION OPTION (F.8371.AS):</b>					
CADD 16, 3D Solid Modeling I		3			
WELD 3A, Welding Design and Fabrication		5			
WELD 3B, Advanced Welding Design and Fabrication		5			
<b>Recommended Electives: Select one (1) course</b> AT 140; CAM 10; CADD 24; ENGR 10, 11; WELD 56		2-4			
<b>PIPE AND STRUCTURAL STEEL CERTIFICATION (F.8375.AS):</b>					
WELD 4A, Heavy Plate, Structural Steel & Welding Certification		5			
WELD 4B, Pipe, Tube Welding and Certification		5			
<b>Recommended Electives: Select two (2) courses</b> CADD 14, 24; ENGR 10, 11; WELD 56		4-6			

## Notes:

1. Welding technology provides an opportunity for students to prepare for employment in welding and metal occupations. Specific preparation is provided in welding and metal fabrication or pipe and steel certification procedures.
2. Some of the above courses may have prerequisites. See the catalog or schedule of classes.
3. The *Associate Degree* requires completion of the major (38.5-42 units) with a "C" or better grade in each course. Students must complete one of the three different general education patterns: option 1 – Fresno City College General Education, option 2 – CSU GE Breadth–California State University General Education, OR option 3 – IGETC – Intersegmental General Education Transfer Curriculum for a total of **60 semester units minimum** with a 2.0 or better GPA.