

# Welding and Fabrication Associate of Applied Science

## Full-Time Fall Start

[www.pima.edu/welding-aas](http://www.pima.edu/welding-aas)

Learn various welding and pipe fabrication techniques, also blueprint reading and estimating for welding projects.

**Title IV Financial Aid eligible:** Yes

### What can I do with this degree?

**Career Options:** Seek entry-level employment as a welder.

**Academic Options:** This program may apply toward a Bachelor of Applied Science (BAS). See an advisor.

### CHOOSE YOUR COURSES WITH YOUR COLLEGE ADVISOR

### Placement

Students must meet prerequisite standards before taking GTM 105 and GTW 101 in the pathway below. If you are not prepared for the courses based on placement results you will need to take courses to build your skills prior to taking them. The sequence of courses follows.

Math: ICS 081 > GTM 105

If a MAT course higher than MAT 106 is chosen, and/or if WRT 101 or 154 is chosen, additional coursework may be needed

### Semester Pathway

This pathway is a suggested sequence of courses for your program of study. Work with an advisor to develop a unique pathway for you based on your placement recommendations, any prior college courses, and your specific situation.

**General Education Note:** When General Education (Gen. Ed.) credits are listed below, select from the appropriate General Education course list linked from the program website. Some programs recommend specific courses.

For this pathway, ensure that one Gen. Ed. course fulfills the C or G requirement.

#### Semester 1 - Fall (Semester Total: 12 credits)

**GTM 105 Applied Technical Mathematics:** (3 credits)  
or MAT course numbered 100 or higher: (3 credits)

**STU 100:** College Success and Career Planning (1 credit)

**WLD 110:** Basic Arc and Oxyacetylene Welding (4 credits)

**WLD 115:** Blueprint reading/Estimating (4 credits)

#### Semester 2 - Spring (Semester Total: 14 credits)

**CAD 101:** Computer-Aided Drafting (4 credits)

**Gen Ed:** CTE Communications list. Recommend: GTW 101 Writing for Trades and Technical Occupations (3 credits)

**Technical ELEC:** Complete a course from BCT, CAD, CSA, MGT, MAC or WLD (3 credits)

**WLD 160:** Arc Welding (4 credits)

#### Semester 3 - Summer (Semester Total: 7)

**Gen. Ed:** CTE Social & Behavioral List. Recommend: ANT/ARC 205 Introduction to Southwestern Prehistory (3 credits)  
or HIS 101 Introduction to Western Civilization I (3 credits)

**WLD 261:** Gas Metal Arc Welding (4 credits)

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**Semester 4 - Fall (Semester Total: 14)**

**Gen Ed:** CTE Other list. Recommend CMN 120 Business and Professional Communication (3 credits)

**Technical ELEC:** Complete a course from BCT, CAD, CSA, MGT, MAC or WLD (3 credits)

**WLD 263:** Layout and Fabrication (4 credits)

**WLD 250:** Pipe Welding (4 credits)  
or **WLD 264:** Introduction to CNC Plasma Arc and Basic Robotic Welding (4 credits)

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**Semester 5 - Spring (Semester Total: 14)**

**Gen. Ed:** CTE Arts & Humanities List (3 credits)

**MAC 275:** Applied Metallurgy (4 credits)

**Technical ELEC:** Complete a course from BCT, CAD, CSA, MGT, MAC or WLD (3 credits)

**WLD 262:** Gas Tungsten Arc Welding (4 credits)

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**PROGRAM TOTAL: 61 credits**

Program/Major Codes: **AASWELDING/WLD**

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**Find more information about this program at:**  
**[www.pima.edu/welding-aas](http://www.pima.edu/welding-aas)**