

## Welding and Fabrication Associate of Applied Science

[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 required in the pathway below. If you are not prepared for these 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 or MAT 089 through Mod 15 > GTM 105

Writing: ICS 079 (with a B or better) > GTW 101

### Semester Pathway

This pathway is a suggested sequence of courses for full-time students. Part-time students or those with specific interests or transfer needs are encouraged to work with an advisor to develop a unique academic map.

**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.

#### Semester 1 (Semester Total: 14 credits)

**GTM 105:** Technical Math (3 credits)

**GTW 101:** Technical Writing (3 credits)

**STU 100:** College Study Skills (1 credit)

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

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

#### Semester 2 (Semester Total: 15 credits)

**CMN 120:** Business and Professional Communication (3 credits)

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

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

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

#### Semester 3 (Semester Total: 15)

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

**WLD 250:** Pipe Welding (4 credits)

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

**Elective:** Complete 3 credits from BCT, CAD, CSA, MGT, MAC or WLD (3 credits)

**Semester 4 (Semester Total: 17)**

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

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

**Gen. Ed.:** CTE Social & Behavioral Sciences List (3 credits)

**Elective:** Complete 6 credits from BCT, CAD, CSA, MGT, MAC or WLD (6 credits)

**PROGRAM TOTAL: 61 credits**

Program/Major/Concentration Codes: **AASWELDING/WLD1**

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