

**Area of Interest:** Industrial Technology & Skilled Trades

**Certificate:** Pipefitting/Pipe Welding

**College Catalog:** [2024-2025](#)



**Central  
Arizona  
College**

**Program Location:** Signal Peak Campus

**Program Description:** The Pipefitting/Pipe Welding Certificate prepares students for employment as an entry level pipe welder/fitter with an array of career opportunities within the industry. Topics include pipefitting techniques and tools as well as welding processes for shielded metal arc welding, gas metal arc welding, gas tungsten arc welding, pipe fabrication, and trade math. A typical graduate seeks employment in power generation, cross-country pipeline, pressure vessel fabrication, process piping, and related maintenance and construction industries. After completion of this certificate, students may continue towards an AAS in Pipefitting/Pipe Welding Technology.

**Advising:** [itst.advisor@centralaz.edu](mailto:itst.advisor@centralaz.edu)

**Area of Interest Website:** [centralaz.edu/divisions-programs/skilled-trades-technology/](https://centralaz.edu/divisions-programs/skilled-trades-technology/)

### Legend

**Bold Course**=Required Course

Recommended Course (R)

Stackable Certificate (SC)

**AGEC Course list** (Arizona General Education Curriculum) and other degree requirements.

Written Communication (**WC**)

Oral Communication (**OC**)

Arts/Humanities (**AH**)

Social/Behavioral Science (**SB**)

Lab Science (**LS**)

Mathematics (**M**)

Core Course (**CC**)

Elective (**E**)

**Special Awareness Requirements** for transfer degrees met through courses on the [AGEC Course list](#).

Cultural Awareness (**CU**)

Global/Historical Awareness (**GI/HI**)

Intensive Writing (**IW**)

**Semester 1:** New Students-Find your suggested starting point for [English/Reading & Math courses](#).

		COURSE	CREDITS	SEMESTER/GRADE	NOTES
SC	SB	PEH101 Personal Health	3		
SC	CC	<b>WLD128 Intro to Structural Drawings &amp; CAD</b>	4		
SC	CC	<b>WLD143 Pipefitting I</b>	5		
SC	CC	<b>WLD243 Pipefitting II</b>	5		
<b>Total Certificate Credits:</b>			<b>17</b>	<b>Apply for graduation and attend career events!</b>	

Arizona Resident Tuition for 2024-2025 is \$75 per credit hour; see [Paying for College](#). Financial aid may be available.

### Career Information

**CAC Career Center:** [centralaz.edu/career](https://centralaz.edu/career) FREE CAC career resources and assistance.

**O\*NET OnLine:** Visit [onetonline.org](https://onetonline.org) and search for:

**Occupations in Pipefitting/Pipe Welding, including:**

- Education needed for specific occupations
- Occupation tasks, knowledge, skills and abilities
- Salary/wages for specific occupations (\$)

### Transfer Information

**CAC University Transfer Center:** [centralaz.edu/transfer](https://centralaz.edu/transfer) FREE CAC transfer resources and assistance.

**Note:** Use this Program MAP as a guide to choose courses with your advisor and track progress towards milestones and completion of program. Work with an advisor to customize your plan to align with your specific career and/or transfer goals.

**Part-Time Students:** Plans can be modified to fit the need of part-time students by adding more semesters.

**Student Name:**

**Advisor Name:**

**Student ID Number: 880**

**Date:**