

**Area of Interest:** Industrial Technology & Skilled Trades  
**Degree:** Pipefitting/Pipe Welding Technology, Associate of Applied Science (AAS)



**Stackable Certificate 1:** Fundamentals of Pipe Welding

**Stackable Certificate 2:** Pipefitting/Pipe Welding

**College Catalog:** [2022-2023](#)

**Program Location:** Signal Peak & Aravaipa Campuses

**Program Description:** The 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 pipe welding processes of 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.

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

**Area of Interest Website:** [centralaz.edu/divisions-programs/skilled-trades-technology/](http://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 ( <b>WC</b> )	Oral Communication ( <b>OC</b> )	Arts/Humanities ( <b>AH</b> )	Social/Behavioral Science ( <b>SB</b> )
Lab Science ( <b>LS</b> )	Mathematics ( <b>M</b> )	Core Course ( <b>CC</b> )	Elective ( <b>E</b> )

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

		COURSE	CREDITS	SEMESTER/GRADE	NOTES
SC1	AH	ART103 Beginning Jewelry & Metalwork	3		
SC1	M	MAT106 Technical Math I	3		
SC1	CC	<b>WLD115 Welding NCCER Core</b>	5		
SC1	CC	<b>WLD125 Pipe Welding</b>	5		
<b>Semester Credits:</b>			<b>16</b>	<b>Meet with your CAC advisor each semester!</b>	

### Semester 2

		COURSE	CREDITS	SEMESTER/GRADE	NOTES
SC2	SB	PEH101 Personal Health	3		
SC2	CC	<b>WLD128 Intro to Structural Drawings &amp; CAD</b>	4		
SC2	CC	<b>WLD143 Pipefitting I</b>	5		
SC2	CC	<b>WLD243 Pipefitting II</b>	5		
<b>Semester Credits</b>			<b>17</b>	<b>Research career resources and opportunities!</b>	

### Semester 3

		COURSE	CREDITS	SEMESTER/GRADE	NOTES
R	WC	ENG101 College Composition I	3		
R	OC	COM259 Professional Communications	3		
	CC	<b>WLD255 Advanced Pipe Welding II</b>	8		
<b>Semester Credits:</b>			<b>14</b>	<b>Apply for graduation and attend career events!</b>	

Semester 4					
		COURSE	CREDITS	SEMESTER/GRADE	NOTES
R	LS	AGS221 Soil Science	4		
	CC	<b>WLD246 Pipe Welding III</b>	5		
	CC	<b>WLD247 Pipe Welding IV</b>	5		
		<b>Semester Credits:</b>	<b>14</b>	<b>Finish strong-don't get distracted before finals!</b>	
		<b>Total Degree Credits:</b>	<b>61</b>		
		<b>Fundamentals of Pipe Welding Certificate:</b>	<b>16</b>		
		<b>Pipefitting/Pipe Welding Certificate:</b>	<b>17</b>		
Arizona Resident Tuition for 2022-2023 is \$50 per credit hour, see <a href="#">Paying for College</a> . Financial aid may be available.					

### Career Information

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

**O\*NET OnLine:** Visit [onetonline.org](http://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](http://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.

<b>Student Name:</b>	<b>Advisor Name:</b>
<b>Student ID Number: 880</b>	<b>Date:</b>