

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: [2024-2025](#)

Program Location: Signal Peak

Program Description: The Pipefitting/Pipe Welding AAS prepares students for employment as a pipe welder/fitter with an array of career opportunities within the industry. Topics include advanced pipefitting, specialty tools as well as 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

Area of Interest Website: 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)

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 or higher	3		
SC1	CC	WLD115 Welding NCCER Core	5		
SC1	CC	WLD125 Pipe Welding	5		
Semester Credits:			16	Meet with your CAC advisor each semester!	

Semester 2

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

Semester 3

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

Semester 4

		COURSE	CREDITS	SEMESTER/GRADE	NOTES
R	LS	AGS221 Soil Science	4		Fall Only
	CC	WLD246 Pipefitting III	5		
	CC	WLD247 Pipefitting IV	5		
		Semester Credits:	14	Finish strong-don't get distracted before finals!	
		Total Degree Credits:	61		
		Fundamentals of Pipe Welding Certificate:	16		
		Pipefitting/Pipe Welding Certificate:	17		

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 FREE CAC career resources and assistance.

O*NET OnLine: Visit 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 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: