

Area of Interest: Industrial Technology & Skilled Trades

Degree: Heavy Equipment Operator, Associate of Applied Science (AAS)

Stackable Certificate 1: Heavy Equipment Operator Level I

Stackable Certificate 2: Heavy Equipment Operator Level II

College Catalog: [2022-2023](#)



**Central
Arizona
College**

Program Location: Signal Peak Campus

Program Description: In this hands-on program, students will be operating motor graders, scrapers, front end loaders, bull dozers, water trucks, dump trucks, belly dump trucks, backhoes, excavators and other specialized equipment. The equipment in our fleet gives the student a feel for up-to-date equipment and for older equipment still used in the industry.

Contact Information: **Louis Teel (Faculty)** louis.teel@centralaz.edu T: (520) 494-5319 **Advising:** itst.advisor@centralaz.edu

Area of Interest Website: [Industrial Technology and Skilled Trades - Central Arizona College \(centralaz.edu\)](#)

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	M	MAT106 Technical Math I	3		
SC1	CC	CET125 Intro to Earthmoving Methods & Operations	3		
SC1	CC	HEO121 Heavy Equipment Operations Core	5		
SC1	CC	HEO127 Heavy Equipment Reconditioning	5		
Semester Credits:			16	Meet with your CAC advisor each semester!	

Semester 2

		COURSE	CREDITS	SEMESTER/GRADE	NOTES
SC2	AH	ART103 Beginning Jewelry & Metalwork	3		
SC2	CC	CET221 Basic Survey and Grade Staking	4		
SC2	CC	HEO122 Heavy Operations I	5		
SC2	CC	HEO128 Diesel Equipment Service & Repair	5		
Semester Credits			17	Research career resources and opportunities!	

Semester 3

		COURSE	CREDITS	SEMESTER/GRADE	NOTES
	WC	ENG121 Applied Technical Writing	3		
	LS	AGS221 Soil Science	4		
	CC	HEO221 Heavy Equipment Operations II	5		
Semester Credits:			12		
		COURSE	CREDITS	SEMESTER/GRADE	NOTES
	E	HEO100 Intro to Heavy Equipment Operation	5		HEO100 is only offered in the summer. For other course options, see catalog .
Semester Credits:			5	Apply for graduation and attend career events!	

Semester 4

	COURSE	CREDITS	SEMESTER/GRADE	NOTES
OC	Oral Communication course	3		
SB	Social & Behavioral Science course	3		
CC	HEO222 Heavy Equipment Operations III	5		
	Semester Credits:	11	Finish strong-don't get distracted before finals!	
	Total Degree Credits:	60		
	Heavy Equipment Operator Level I Certificate:	16		
	Heavy Equipment Operator Level II Certificate:	30		

Arizona Resident Tuition for 2022-2023 is \$50 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 Heavy Equipment Operator, 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: