

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



**Central  
Arizona  
College**

**Program Location:** Signal Peak Campus

**Program Description:** The Heavy Equipment Operator AAS degree prepares students to operate, maintain and service heavy equipment and layout construction projects. 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](mailto:louis.teel@centralaz.edu) T: (520) 494-5319

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

**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
SC1	M	MAT106 Technical Math I or higher	3		
SC2	CC	<b>CET221 Basic Survey and Grade Staking</b>	4		
SC1, SC2	CC	<b>HEO121 Heavy Equipment Operations Core</b>	5		
SC1, SC2	CC	<b>HEO127 Heavy Equipment Reconditioning</b>	5		
		<b>Semester Credits:</b>	<b>17</b>	<b>Meet with your CAC advisor each semester!</b>	

### Semester 2

		COURSE	CREDITS	SEMESTER/GRADE	NOTES
SC1, SC2	CC	<b>CET125 Intro to Earthmoving Methods &amp; Operations</b>	3		
SC2	CC	<b>HEO122 Heavy Operations I</b>	5		
SC2	CC	<b>HEO128 Diesel Equipment Service &amp; Repair</b>	5		
		<b>Semester Credits</b>	<b>13</b>	<b>Research career resources and opportunities!</b>	

### Semester 3

		COURSE	CREDITS	SEMESTER/GRADE	NOTES
R	WC	ENG121 Applied Technical Writing	3		
	SB	Select an AGEC Social & Behavioral Science course	3		
	CC	<b>HEO221 Heavy Equipment Operations II</b>	5		
	OC	Select an AGEC Oral Communication Course	3		

		<b>Semester Credits:</b>	<b>14</b>		
		<b>COURSE</b>	<b>CREDITS</b>	<b>SEMESTER/GRADE</b>	<b>NOTES</b>
R	E	HEO100 Intro to Heavy Equipment Operation	5		HEO100 is only offered in the summer. For other course options, see <a href="#">catalog</a> .
		<b>Semester Credits:</b>	<b>5</b>	<b>Apply for graduation and attend career events!</b>	

### Semester 4

		COURSE	CREDITS	SEMESTER/GRADE	NOTES
R	LS	AGS221 Soil Science	4		Fall only
	CC	<b>HEO222 Heavy Equipment Operations III</b>	5		
R	AH	ART103 Beginning Jewelry & Metalwork	3		
		<b>Semester Credits:</b>	<b>12</b>	<b>Finish strong-don't get distracted before finals!</b>	
		<b>Total Degree Credits:</b>	<b>61</b>		
		<b>Heavy Equipment Operator Level I Certificate:</b>	<b>16</b>		
		<b>Heavy Equipment Operator Level II Certificate:</b>	<b>30</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](http://centralaz.edu/career) FREE CAC career resources and assistance.

**O\*NET OnLine:** Visit [onetonline.org](http://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](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:</b> 880	<b>Date:</b>