Central Arizona College

Area of Interest: Industrial Technology & Skilled Trades
Certificate: Automated Industrial Technology II
College Catalog: 2024-2025

Program Location: Signal Peak Campus
Program Description: The Certificate of Completion (CCL) in Automated Industrial Technology II prepares students to troubleshoot, maintain, and repair a variety of automated electro-mechanical, product assembly, process control, and product distribution systems that use programmable controls and other methodologies to accomplish system management. These systems include robotic, mechanical, hydraulic, pneuma c, electrical, and electronic devices. Through this certificate, graduates will gain the skills to define, integrate, install, program, and maintain complex control systems.
Contact Information: 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)**

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	CC	**AIT205 Power Electronics & Variable Frequency Drives**	3		
SC	CC	**AIT210 Programmable Logic Controller Programming & Troubleshooting**	3		
SC	CC	**AIT215 Process Control Systems**	4		
SC	CC	**AIT225 Industrial Motors & Motor Control**	3		
SC	CC	**AIT270 Robotics I**	3		
		Total Certificate Credits:	**16**	**Apply for graduation and attend career events!**	

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 Automated Industrial Technology, 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:**

Document revised 02/22/2024