Area of Interest: Computer Technology, Engineering & Math
Certificate: Computer Programming
College Catalog: 2024-2025

Central Arizona College

Program Location: All Campuses
Program Description: Gain the programming skills necessary for a career in the fast-growing software industry. Computer Programming concentrates on analysis and design of algorithms through a variety of programming languages.
Contact Information: Linda Friedel (Faculty) Linda.Friedel@centralaz.edu
Area of Interest Website: Computer Technology, Engineering and Math - Central Arizona College (centralaz.edu)

Legend

Bold Course=Required Course	Core Course (CC)	Stackable Certificate (SC)

AGEC Course list (Arizona General Education Curriculum)

Written Communication (WC)	Oral Communication (OC)	Arts/Humanities (AH)	Social/Behavioral Science (SB)
Lab Science (LS)	Mathematics (M)	Core Course (CC)	Transfer Elective (TE)

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
CC	**CIS112 Web Design Fundamentals with HTML**	3		
CC	**CIS120 Survey of Computer Information Systems**	3		
CC	**CIS121 Windows Operating System Fundamentals**	3		
CC	**CIS123 Introduction to Programming**	3		
	Semester Credits:	12	**Apply for graduation and attend career events!**	

Semester 2

	COURSE	CREDITS	SEMESTER/GRADE	NOTES
CC	**CIS162 Comparative Programming Languages**	3		
CC	**CIS176 Python Programming**	3		
CC	**CIS178 Database Fundamentals and Programming**	3		
CC	**CIS216 Java Programming**	4		
	Semester Credits:	13	**Research career resources and opportunities!**	
	Total Computer Programming Certificate credits:	25		

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 Computer Programming, 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.
AZTransfer Technology Major Guide has a list of transfer programs at ASU, NAU, or UA.

Note: Use this Program MAP as a guide to choose courses and track progress towards completion of program. Work with an advisor to customize your plan.

Part-Time Students: Plans can be modified to fit the need of part-time students.

Student Name:	Advisor Name:
Student ID Number: 880	Date: