

Area of Interest: Computer Technology, Engineering & Math

Certificate: Software Development

College Catalog: [2024-2025](#)



Program Location: All Campuses

Program Description: Software Development focuses on the programming skills necessary to prepare students for a career in the fast-growing software industry. Software Development concentrates on analysis and design of algorithms through a variety of programming languages. Continuation of the Programming Certificate.

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

Recommended Course (R)

Stackable Certificate (SC)

Semester 1: New Students-Find your suggested starting point for English/Reading & Math courses.

	COURSE	CREDITS	SEMESTER/GRADE	NOTES
CC	CIS162 Comparative Programming Languages	3		
CC	CIS176 Python Programming	3		
CC	CIS213 Linux Server	3		
CC	CIS218 C++ Programming	4		
CC	CIS231 Object Oriented Programming & Data Structures	4		
	Total Semester Credits:	17	Apply for graduation and attend career events!	

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 Software Development, 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 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: