

SOFTWARE DEVELOPMENT

PROGRAM OF STUDY:

A structured sequence of required core & CTE courses in a specific career field. As a result, students earn industry credentials or college credit toward an Associate's and/or Bachelor's degree during high school. For more information, visit: AZprogramsofstudy.org



IN THIS PROGRAM, STUDENTS:

- Create an application using controls, language components, testing strategies, original design & program documentation
- Find & correct errors in program code
- Create program documentation
- Identify & explain different types of topologies
- Categorize & identify protocols & standards
- Identify Operating Systems (OS) - functions, structure, procedures for creating, viewing & managing files, directories & disks
- Install, configure & upgrade operating systems
- Diagnose & troubleshoot common hardware & software problems
- Participate & compete in the student organization FBLA
- Complete a work-based learning internship

CAMPUS LOCATION:

Cactus HS
Centennial HS
Ironwood HS
Liberty HS
Peoria HS
Raymond S. Kellis HS
Sunrise Mountain HS

STUDENT ORGANIZATION:



COLLEGE CREDIT HOURS:



These Dual Enrollment and/or AP hours may apply toward:

Associate of Applied Science in Computer Information Systems

Associate of Applied Science in Programming & System Analysis

Bachelor of Science in Applied Computer Information Technology

COURSE SEQUENCE:

SOFTWARE DEVELOPMENT

- Computer Programming & Technology ^D
- Computer Science Principles ^D ★
- Game Design & Development ^D
- CTE Internship: IT

ADVANCED SOFTWARE DEVELOPMENT

- Computer Science Principles ^D ★
- AP Computer Science I ^D ★
- AP Computer Science Principles ^D ★
- CTE Internship: IT

A CTE Mastery of Subject Endorsement may be added to a high school transcript upon completion of any CTE program. A student may earn multiple CTE endorsements.

^D Dual Enrollment / ★ Honors

COLLEGE PROGRAM PARTNER:

Glendale Community College

CERTIFICATION:

In Progress