



San Carlos Apache College

Associate of Applied Science in Computer Information Systems

NAME:	TOCC ID:
TOCC EMAIL:	PHONE NUMBER:
TERM OF ADMISSION:	EXPECTED GRADUATION YEAR/TERM:
ADVISOR:	REQUIRED CREDITS FOR DEGREE: 60

I. General Education Courses (20-21 cr):

- San Carlos Apache Cultural Component (7 cr): HIS 30 (3 cr) and APA 101 (4 cr) THO 101, THO 106 (4 cr)
- Select from WRT 102 or SPE 110
- MAT 142 or higher (with the exception of MAT 146 and MAT 147)

COURSE PREFIX	COURSE NAME	SUBSTITUTE COURSE	SEMESTER	YEAR	CREDITS	GRADE
HIS 130	Apache History I					
APA 101	Apache Language and Culture I					
WRT 101	Writing I					
WRT 102 or SPE 111						
MAT 142H	College Mathematics					
BIO 105N	Environmental Biology					

II. Core Requirements (21 cr):

COURSE PREFIX	COURSE NAME	SUBSTITUTE COURSE	SEMESTER	YEAR	CREDITS	GRADE

CIS 100	Introduction to Computers					
CIS 127	Programming and Problem Solving I					
CIS 130	Fundamentals of Computer Networking					
CIS 140	Introduction to Risk Management					
CIS 210	Introduction to System Administration					
CIS 280	IT Project Management					
CIS 297	Internship/Practicum					

III. Electives (19 cr):

COURSE PREFIX	COURSE NAME	SUBSTITUTE COURSE	SEMESTER	YEAR	CREDITS	GRADE
CIS 230N	Networking Fundamentals – Nt., S					
CIS 234N	Advanced Networking Routing and Switching – Nt					
CIS 240N	Network Security – Nt., S					
CIS 250 N	Coding Fundamentals- C					
GEO 267	Introduction to GIS – G					

Associate of Applied Science in Computer Information Systems

The Associate of Applied Science in Computer Information Systems is a workforce degree intended for those students seeking entry-level employment upon completion. Students who are considering continuing their education after their Associates Degree should consider the Associate of Arts in Computer Information Systems.

Program Learning Outcomes

1. Technical Skills: Develop advanced proficiency in programming languages, database management, and network administration.
 - a) Measurable Objective: Students will demonstrate proficiency in at least one programming language and complete projects showcasing their ability to use databases, adjust network configurations, and apply cybersecurity processes.
2. Problem-Solving: Enhance critical thinking abilities to troubleshoot and solve complex IT problems.
 - a) Measurable Objective: Students will successfully troubleshoot and resolve at least three simulated IT problems during lab exercises or projects, including more advanced issues.

3. Communication: Improve communication skills for effective customer service, technical documentation, and presentations.
 - a) Measurable Objective: Students will deliver a technical presentation or write a report demonstrating clear communication of advanced IT concepts and solutions.
4. Ethical Awareness: Understand and apply ethical principles in IT practices.
 - a) Measurable Objective: Students will analyze complex ethical dilemmas in IT scenarios and propose solutions aligned with professional standards and Apache values.
5. Collaboration: Work effectively in teams on advanced IT projects.
 - a) Measurable Objective: Students will lead and participate in group projects, demonstrating effective leadership and teamwork in achieving project goals.

Students:

You must secure official approval by your advisor(s) before submitting the **final** Program of Study. By signing or entering your name below, you agree to the following statement: "Students are responsible for complete knowledge of Academic Catalog requirements in their degree plan and for adhering to all policies in Academic Catalog and Student Handbook."

Signature Panel:

Please indicate approval of the curriculum on the Program of Study by placing your signature (formal electronic signatures are permitted) in the space provided.

Student:	Date:
Advisor:	Date:
Faculty Advisor (if applicable):	Date:
Registrar:	Date:
Provost:	Date: