

2024-2025 ASSOCIATE IN SCIENCE (A.S) AWC ADVISEMENT CHECK SHEET

To help you decide upon which courses to include in both the major and elective blocks, you and your advisor should consult university requirements (aztransfer.com) for specific required and recommended courses. Sign in to your [Self-Service Student Planning](#) account to load the recommended program map and to track your academic progress.

COMPUTER SCIENCE

Student Name	ID #	Advisor	Major Code: AS.CSCIE Credits: 67
---------------------	-------------	----------------	---

Focuses on computers, computing problems and solutions, the design of computer systems and user interfaces from a scientific perspective. Includes instruction in the principles of computational science, and computing theory; computer hardware design; computer development and programming; and applications to a variety of end-use situations.

Required Major Courses (23 Credits)		Cr	Sem	Notes
CSC 127A	Intro to Computer Science 1 OR	4		
CSC 127A prerequisite: MAT 150 or MAT 151 or approved higher level math				
EGR 123	Intro to Structured Programming			
EGR 123 prerequisite: MAT 150 and MAT 183 or MAT 151 and MAT 183 or MAT 187				
CSC 127B	Intro to Computer Science 2	4		
CSC 261	Linux/UNIX Operating Systems	3		
MAT 227	Discrete Math	3		
MAT 227 prerequisite: MAT 150 or MAT 151 or MAT 187				
MAT 230	Calculus II with Analytic Geometry	5		
MAT 241	Calculus III with Analytic Geometry	4		
Other Departmental Requirements (7 Credits)		Cr	Sem	Notes
CSC 252	Computer Organization OR	3		
CSC 253	Digital Logic			
CSC 210	Human Computer Interaction OR	4		
CSC 215	Artificial Intelligence			
Arizona General Education Curriculum - AGEC-S (37 Credits)		Cr	Sem	Notes
See the AGEC-S course list in the current catalog for selection of courses.				
English Composition (6 credits)				
ENG 101 or 107	Freshman Composition	3		
ENG 102 or 108	Freshman Composition	3		
Mathematics (5 credits)				
MAT 220	Calculus I with Analytic Geometry OR approved higher level math	5		
MAT 220 prerequisite: MAT 150 and MAT 183 or MAT 151 and MAT 183 or MAT 187				
Arts/Humanities - Select at least one course from the Arts list and one course from the Humanities list. (6 credits)				
	Arts:			
PHI 103	Introduction to Logic	3		
Social and Behavioral Sciences (6 credits)				
ECN 250	Principles of Microeconomics	3		
Physical and Biological Sciences (8 credits)				
PHY 121	University Physics I	4		
PHY 131	University Physics II	4		
Additional Courses (6-8 credits)				

*Dual Application of Courses is the sharing of coursework between the AGEC and major or program requirements which allows the student to meet both requirements with a single course. Students must still meet the required number of credits to satisfy the program or degree.

List any courses used to satisfy program or degree credits due to dual application and or courses that satisfy the Cultural (C) and Global (G) or Historical (H), or Writing Intensive (WI) awareness areas.

	Dual App
	Dual App
	C or G
	H
	WI