

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 for specific required and recommended courses.

COMPUTER SCIENCE

Student Name	ID #	Advisor	Major Code: AS.CSCIE		
			Credits: 64		

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.

For a recommended sequence of courses, view the program map in Self-Service or contact an Advisor.

Required Major Courses (23 Credits)		Cr	Gr	Sem	App*	Notes
CSC 127A	Intro to Computer Science 1 OR	4				
<i>CSC 127A prerequisite: MAT 150 or MAT 151 or approved higher level math</i>						
EGR 123	Intro to Structured Programming					
<i>EGR 123 prerequisite: MAT 150 and MAT 183 or MAT 151 and MAT 183 or MAT 187</i>						
CSC 127B	Intro to Computer Science 2	4				
CSC 261	Linux/UNIX Operating Systems	3				
MAT 227	Discrete Math	3				
<i>MAT 227 prerequisite: MAT 150 or MAT 151 or MAT 187</i>						
MAT 230	Calculus II with Analytic Geometry	5				
MAT 241	Calculus III with Analytic Geometry	4				

Other Departmental Requirements (7 Credits)		Cr	Gr	Sem	App*	Notes
CSC 252	Computer Organization OR	3				
CSC 253	Digital Logic					
CSC 210	Human Computer Interaction OR	4				
CSC 215	Artificial Intelligence					

General Education Requirements (34 Credits)		Cr	Gr	Sem	App*	Notes
See the AGECS course list in the current catalog for selection of courses.						

English Composition (6 credits)						
ENG 101	Freshman Composition I OR	3				
ENG 107	First-Year Composition I (for Multilingual Writers)					
ENG 102	Freshman Composition II OR	3				
ENG 108	First-Year Composition II (for Multilingual Writers)					

Mathematics (5 credits)						
MAT 220	Calculus I with Analytic Geometry	5				

Arts/Humanities - Select at least one course from the Arts list. (6 credits)						
Arts: (Students should select a 3 Credit Art class)		3				
PHI 103	Humanities: Introduction to Logic	3				

Social and Behavioral Sciences (6 credits)						
ECN 250	Principles of Microeconomics	3				
(Students should select a 3 credit social/Behavioral Science class)		3				

Physical and Biological Sciences (8 credits)						
PHY 121	University Physics I	4				
PHY 131	University Physics II	4				

Additional Courses (3 credits)						

***Dual Application of Courses** is the sharing of coursework between the AGECS 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. This dual application of courses gives students the opportunity to include additional course work under general electives.

List any courses used to satisfy program or degree credits due to dual application:		Cr	Gr	Sem	App*	Notes
	Catalog 2021-2022					

One cultural (C) course and one global (G) or historical (H) course are required. Two writing intensive (WI) courses are required. ENG 101 is a prerequisite for all WI courses. Consult the current catalog for a list of approved courses.