Trenholm State COMMUNITY COLLEGE

AUM AUBURN UNIVERSITY AT MONTGOMERY

Associate in Science – Computer Science Concurrent Pathway with AUM					
Semester	**✓ Grade**	**Course Prefix**	**Course Description**	**Credit Hours**	**Area**
1		ORI 101	Orientation to College	1	V
		ENG 101	English Composition I	3	I
		MTH 112	Pre-Calculus Algebra	3	III
		SPH 106 or 107	Fundamentals of Oral Communication or Public Speaking	3	II
		PSY 200	General Psychology	3	IV
		CIS 146 or CSCI 1000	Microcomputer Applications or Survey Computer Apps	3	II
			Semester Total	16	
2		ENG 102	English Composition II	3	I
		PHS 111 or PHY 120 or BIO 101 or CHM 104	Physical Science I or Introduction to Physics or Introduction to Biology I or Introduction to Chemistry I	4	III
		MTH 155	Trigonometry	3	
		ART 100 or MUS 101 or THR 120	Art Appreciation Music Appreciation Theater Appreciation	3	II
		CSCI 1050	Fundamentals of Computing	3	
			Semester Total	16	
3		ENG 251	American Literature I	3	II
		HIS 201	United States History I	3	IV
		PHS 112 or PHY 201 or BIO 102 or CHM 105	Physical Science II or General Physics I (Trig Based) or Introduction to Biology II or Introduction to Chemistry II	4	III
			Area IV	3	IV
		CSCI 1110+1111	Intro. Program. Python + Lab	4	
			Semester Total	17	
4		ENG 252	American Literature II	3	II
		HIS 202	United States History II	3	IV
		SOC 200	Introduction to Sociology	3	IV
		Area V	Transfer (Area V) Elective	3	V
		CSCI 2000+2001	Functional Programming with C++ and Lab	4	
			Semester Total	16	
Total credit hours to be taken at AUM: 11 - 14			TOTAL TSCC HOURS	65	

Updated 4/14/2022

Trenholm State COMMUNITY COLLEGE

AUM AUBURN UNIVERSITY AT MONTGOMERY

2021-2022 Catalog

Bachelor of Science – Computer Science AUM					
Semester	**✓ Grade**	**Course Prefix**	**Course Description**	**Credit Hours**	**Area**
5		MATH 1610	Calculus I	4	
		CSCI 2200 or MATH 4200	Discrete Structures or Discrete Mathematics	3	
		CSCI 3000 + CSCI 3001	Object-Oriented Programming with C++ and Lab	4	
		CSCI 3300	Intro to Computer Architecture	3	
			Semester Total	14	
6		MATH 1620	Calculus II	4	
		CSCI 3400	Data Structures	3	
		CSCI 3700	Database Systems	3	
		CSCI 4200	Software Engineering	3	
		CSCI 4350	Network Systems	3	
			Semester Total	16	
7		MATH 2660 or MATH 2670 or MATH 3000	Linear Algebra or Elementary Statistics or Higher Math	3	
		CSCI 3600	Fundamental Algorithm Design and Analysis	3	
		CSCI 4300	Intro to Operating Systems	3	
		MATH 4050 or CSCI 4050	Theory of Computation and Formal Languages	3	
		CSCI 4950	STEM Senior Practicum and Seminar	2	
			Semester Total	14	
8		CSCI Electives or CSIS Electives		11	
			Semester Total	11	
			TOTAL AUM HOURS	66	
			TOTAL PROGRAM HOURS	120	

Updated 4/14/2022