

# AUBURN UNIVERSITY AT MONTGOMERY

## COMPUTER SCIENCE MAJOR

NAME:	Student ID:	E-mail:
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COURSE	SEM. HRS.	GRADE	COMMENTS	COURSE	SEM. HRS.	GRADE	COMMENTS
AREA I				AREA V (Major Courses)			
ENGL 1010 (English Composition I)	3			MATH 1620 (Calculus II)	4		
ENGL 1020 (English Composition II)	3			MATH 2660 (Linear Algebra)	3		
AREA II				MATH 4670 (Mathematical Statistics)	3		
Fine Arts <sup>(1)</sup>	3			CSCI 2000 (Structured Programming I)	3		
Literature <sup>(2a)</sup>	3			CSCI 2200 (Discrete Structures)	3		
Literature <sup>(2a)</sup> or Foreign Language <sup>(2b)</sup>	3			CSCI 3000 (Structured Programming II)	3		
COMM 1010 (Intro to Human Comm.)	3			CSCI 3100 (Unix and C)	3		
AREA III				CSCI 3200 (Parallel Programming)	3		
MATH 1610 (Calculus I)	4			CSCI 3300 (Intro to Computer Architecture)	3		
PHYS 2100 (Physics I + Lab)	4			CSCI 3400 (Data Structures)	3		
PHYS 2200 (Physics II + Lab)	4			CSCI 3600 (Fund. Algorithm Design and Analysis)	3		
AREA IV				CSCI 3650 (Ethics in Computer Science)	3		
History <sup>(3a)</sup>	3			CSCI 3700 (Database Systems)	3		
History <sup>(3a)</sup>	3			CSCI 4100 (Software Components)	3		
Social Science <sup>(3b)</sup>	3			CSCI 4250 (High Performance Computing)	3		
Social Science <sup>(3b)</sup>	3			CSCI 4300 (Intro to Operating Systems)	3		
ELECTIVES (12 sem. Hrs.)				CSCI 4350 (Network Systems)	3		
UNIV 1000	3			CSCI 4400 (Distributed Computing)	3		
CSCI 1110 (Intro to Comp. Science)	3			CSCI 4950 (Senior Seminar in CS)	2		
CSCI 4924 (Comp. Sc. Internship) <sup>(7)</sup>	3			Science <sup>(4)</sup>	4		
				MATH and CSCI ELECTIVES			
				MATH Elective <sup>(5)</sup>	3		
				CSCI Elective <sup>(6)</sup>	3		
				CSCI Elective <sup>(6)</sup>	3		

(1) VISU 1000, MUSI 2110, THEA 2040, or other state-approved Fine Arts course.

(2a) ENGL 2530, ENGL 2540, ENGL 2570, ENGL 2580, ENGL 2600, ENGL 2610, or other state-approved Literature courses.

(2b) FREN, GERM, SPAN, or other State-approved Foreign Language course.

(3a) Choose one of the sequences HIST1010/1020 (World History), HIST 1060/1070 (Western Civilization) or HIST 2010/2020 (U.S. History).

(3b) ANTH 2110, ECON 2010/2020, GEOG 2050/2150, HIST 1060/1070, HIST 2010/2020, PSYC 2110, POLS 2020, SOCI 2000, or other state-approved Soc. Science course.

(4) Choose one course from BIOL 1010, BIOL 1020, CHEM 1100, CHEM 1200, MATH 2630, or MATH 3690.

(5) Choose one course from MATH 4600 (Numerical Analysis I), MATH 4300 (Number Theory), or MATH 4400 (Math. Modeling and Simulation).

(6) Choose two courses from CSCI 4200 (Formal Languages), CSCI 4500 (Mobile Computing), CSCI 4550 (Computer Graphics), CSCI 4450 (Data Intensive Computing) or approved MATH courses.

(7) It is recommended to take at least 3 sem. hrs. of CSCI 4924 (Computer Science Internship).

To convert quarter hours to semester hours, multiply by 2/3. **124** semester hours needed to graduate. Last Revised: Jan. 23, 2018