RECOMMENDED CORE CLASSES

MATHEMATICS, PHYSICS AND ENGINEERING	ENGLISH	SOCIAL SCIENCES	HUMANITIES
Calculus I, II, III [1] MATH 1610, 1620, 2630	English Composition I: ENGL1010	World History I, II: HIST 1010, 1020 [4]	World Literature I/II (take one): ENGL 2600/2610 [7]
Differential Equations MATH 3690 [2]	English Composition II: ENGL 1020	Other Social Science (take one) ECON 2010 [5], POLS 2020 [6] PSYC 2110, ANTH 2110, GEOG 2050, SOCI 2000 or SOCI 2007(Honors)	Fine Arts (take one) MUSC 2110, THEA 2040, VISU 1000
General Physics I, II with Calculus [3] PHYS 2100-1, 2200-1			Ethics(take at AU): AU#: PHIL 1020 or PHIL 1040 by major [8]
Introduction to Engineering ENGR 1110			

1. Calculus III not required by CSCI, but can be a CSCI math elective.
2. Not required for CSCI, but can be a CSCI math elective.
3. General Physics II (Calculus-based) is not required for Biosystems. CSCI may use any one of the Biology, Chemistry, Geology or Physics sequences.
4. The sequence may be replaced by Civilization HIST 1060 and 1070. The American History sequence (HIST 2010 and 2020) is also accepted. However, this sequence does not meet Auburn SLO8, SLO9 requirements. Students who have taken American History sequence must very carefully determine which additional social science courses should be taken to meet the Auburn SLO 8&9 requirements. CIVL must choose HIST1020 or HIST1070.
5. Biosystems and Materials must choose ECON 2010.
6. CIVL must choose POL S2020.
7. The sequence may be replaced by [ENGL 2530 & 2540] Survey of English Literature I & II or [ENGL 2570 & 2580] Survey of American Literature I & II.
8. Pre-medicine and biomedical specializations in chemical engineering accept AUM PHIL 2100.

	AERO	BSEN	CHEN	CIVL+	CSCI+	ECPE	ELEC#	INSY	MATL	MECH	SWEN	WIRE #	WIRS #
Chemistry I: CHEM 1100-1	✔	✔	✔	✔		✔	✔	✔	✔	✔		✔	
Chemistry II: CHEM 1200-1		✔*	✔	✔				✔					
Organic I, II: CHEM 3100-1, 3200-1			✔										
Linear Algebra: MATH 2660	✔				✔	✔	✔	✔	✔	✔	✔	✔	✔
Biology I: BIOL1010-1		✔	✔										
Biology II: BIOL 1020-1		✔*											
Statistics: STAT 4670 (AU STAT #)					✔ (3600)		✔ (3600)				✔ (3600)		
CSCI 2000 (C++)								✔				✔	
CSCI 2000 (Java) Or INFO 3000& 3010					✔	✔					✔		✔
ENGR 1210 (Matlab)	✔	✔	✔	✔				✔	✔	✔			

*: Not for Forest Option. +: CIVL, CSCI require a science elective. #: ELEC, WIRE, and the software specialization of WIRS require a science/math elective.