

Computational and Applied Mathematics, B.S.

College of Science and Mathematics

Year 1 - Fall (15 credits)	Credits	Year 1 - Spring (16 credits)	Credits
MATH 1190: Calculus I [A2]†	4	ENGL 1102 – Composition II [A1]	3
ENGL 1101: Composition I [A1]	3	MATH 2202: Calculus II [D2]†	4
General Education – Cultural Perspectives [B2]	3	MATH 2332: Prob. & Data Analysis	3
ECON 1000: Contemporary Economics Issues [B1]	2	General Education – Social Sciences [E4]	3
Free Elective (1 of 3)	3	General Education – Arts and Cultures of the World [C2]	3
Total	15	Total	16
Year 2 - Fall (18 credits)	Credits	Year 2 - Spring (15 credits)	Credits
MATH 2203: Calculus III	4	MATH 2306: Ordinary Diff. Equations	3
MATH 2390: Logic, Sets & Proofs †	3	MATH 3260: Linear Algebra I	3
CS 1321: Programming and Problem Solving I	3	CHEM 1212: General Chemistry II	3
CS 1321L: Programming and Problem Solving I Lab	1	CHEM 1212L: General Chemistry II Lab	3
CHEM 1211: General Chemistry I	3	Minor or Track Elective (1 of 5)	3
CHEM 1212L: General Chemistry I Lab	1		
Free Elective (2 of 3)	3		
Total	18	Total	15
Year 3 - Fall (15 credits)	Credits	Year 3 - Spring (14 credits)	Credits
MATH 3322: Graph Theory	3	MATH 3324: Enumerative Combinatorics	3
MATH 3261: Numerical Methods I	3	MATH 4361: Modern Algebra	3
Math/Stat Elective (1 of 5)	3	Math/Stat Elective (2 of 5)	2
POLS 1101: American Government [E1]	3	General Education – US History [E2]	3
Minor or Track Elective (2 of 5)	3	Minor or Track Elective (3 of 5)	3
Total	15	Total	14
Year 4 - Fall (15 credits)	Credits	Year 4 - Spring (12 credits)	Credits
MATH 4381: Real Analysis I	3	Math/Stat Elective (4 of 5)	3
Minor or Track Elective (4 of 5)	3	Math/Stat Elective (5 of 5)	3
Math Elective (3 of 5)	3	General Education – Literature of the World [C1]	3
General Education – World History [E3]	3	Minor or Track Elective (5 of 5)	3
Free Elective (3 of 3)	3		
Total	15	Total	12

Program Total: 120 Credit Hours

*Recommended General Education Course. † Milestone

This academic map is a suggested four-year schedule of courses based on degree requirements in the undergraduate catalog. This sample schedule serves as a general guideline to help build a full schedule each term. Missing milestones could delay your program. Also see the current undergraduate catalog for a complete list of requirements, electives, and pre-requisites. This map is not a substitute for academic advisement. Note: Requirements are continually under revision, and there is no guarantee they will not be changed or revoked; contact the department and/or program area for current information.