

Major Program Guide For: B.S. in Mathematics
Concentration: Applied Mathematics
Suggested Course Sequence
 May 29, 2024

- Total Hours for Degree: 120
- This sequence assumes that students begin in Calculus I.
- Students may finish earlier if they attend summer school at WCU or another approved institution.

Freshman Year			
Fall	16	Spring	16
MATH 153: Calculus I	4	MATH 255: Calculus II	4
First Year Seminar	3	COMM 201: Foundations of Communication	3
Liberal Studies	3	ENGL 101: Writing and Rhetoric	3
Liberal Studies	3	Liberal Studies	3
Liberal Studies	3	Liberal Studies	3

NOTE: If a student is not beginning in Calculus I, see the department for a revised course sequence.

Sophomore Year			
Fall	15	Spring	16
MATH 250: Introduction to Logic and Proof	3	MATH 256: Calculus III	4
MATH 320: Ordinary Differential Equations	3	MATH 362: Linear Algebra I	3
Liberal Studies	3	ENGL 202: Writing and Critical Inquiry	3
Liberal Studies	3	Liberal Studies	3
Liberal Studies	3	General Elective	3

Junior Year			
Fall	15	Spring	13
MATH 270: Stat Meth I or MATH 370: Prob & Stat I	3	Computational Requirement (CS 150/MATH 340)	3
MATH 310: Discrete Structures	3	MATH 379: Junior Capstone	1
Theory/Computational Modeling/Math Elective	3	Theory/ Computational Modeling/Math Elective	3
General Elective	3	General Elective	3
General Elective	3	General Elective	3

Upper Level Perspective (ULP): An approved Upper Level Liberal Studies Perspectives course is required in one of the Liberal Studies Perspectives categories.

Senior Year			
Fall	14	Spring	15
MATH 479: Senior Capstone	2	Theory/ Computational Modeling/Math Elective	3
Theory/ Computational Modeling/Math Elective	3	Theory/ Computational Modeling/Math Elective	3
General Elective	3	General Elective	3
General Elective	3	General Elective	3
General Elective	3	General Elective	3

In the first semester of the senior year, students must apply for graduation.