

**Major Program Guide For: B.S. in Mathematics**  
**Concentration: Actuarial Science**  
**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.

<b>Freshman Year</b>			
<b>Fall</b>	<b>16</b>	<b>Spring</b>	<b>16</b>
MATH 153: Calculus I	4	MATH 250: Introduction to Logic and Proof	3
ACCT 251*: Financial Accounting: A User Perspec.	3	MATH 255: Calculus II	4
First-Year Seminar (consider MATH/CS/FIN)	3	COMM 201: Foundations of Communication	3
Liberal Studies (P1: FIN 210 recommended)	3	FIN 305*: Financial Management	3
ENGL 101: Writing and Rhetoric	3	Liberal Studies	3

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

<b>Sophomore Year</b>			
<b>Fall</b>	<b>16</b>	<b>Spring</b>	<b>15</b>
MATH 256: Calculus III	4	Computational Requirement (CS 150/MATH 340)	3
MATH 370: Probability and Statistics I	3	MATH 373 (Exam FM)/MATH 471 (Exam P)	3
ECON 231: Intro. Microeconomics & Social Iss. (P1)	3	ECON 232: Intro. Macroeconomics & Social Issues	3
ENGL 202: Writing and Critical Inquiry	3	Liberal Studies	3
Liberal Studies	3	Liberal Studies	3

<b>Junior Year</b>			
<b>Fall</b>	<b>15</b>	<b>Spring</b>	<b>13</b>
MATH 310: Discrete Structures	3	MATH 373 (Exam FM)/MATH 471 (Exam P)	3
MATH 362: Linear Algebra I	3	MATH 379: Junior Capstone	1
MATH 470: Prob & Stat II/Math Elective	3	Data Course	3
Liberal Studies	3	Liberal Studies	3
Liberal Studies	3	General Electives	3

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

<b>Senior Year</b>			
<b>Fall</b>	<b>14</b>	<b>Spring</b>	<b>15</b>
MATH 479: Senior Capstone	2	General Elective (ECON or FIN Minor?)	3
MATH 470: Prob & Stat II/Math Elective	3	General Electives (ECON or FIN Minor?)	3
General Electives (ECON or FIN Minor?)	3	General Electives (ECON or FIN Minor?)	3
General Electives (ECON or FIN Minor?)	3	General Electives (ECON or FIN Minor?)	3
General Electives (ECON or FIN Minor?)	3	General Electives (ECON or FIN Minor?)	3

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

\*ACCT 251 and FIN 305 should be taken prior to MATH 373 whenever possible.