

## Mathematics: Actuarial Science Roadmap

<b>Program</b>	<b>Bachelor of Science: Mathematics: Actuarial Science</b>
<b>Total Credits</b>	120
<b>Catalog</b>	2023-2024

The plan below is **one** of several possible ways for you to complete this degree.

Your individualized plan may look different if you have already fulfilled some requirements.

Your Financial Aid Award may require additional term credits for full-time funding.

You must complete all university and program requirements successfully to complete this degree (GPA, 120 credits, LASC, WI, residency)

Curriculum	Course	Course Title	Credits	Take When	Total Credits
<b>120.00</b>					

### 1st Year

Core Requirement:	LASC 4	MATH 261	Calculus I	4.00	1st Fall	15.00
Core Requirement:		MATH 260	Computer Calculus	1.00	1st Fall	
Related Requirement:		CSIS 152	Intro to Computers and Programming Ia	3.00	1st Fall	
	LASC 1B	ENGL 101	English Composition	3.00	1st Fall	
	LASC 1A	COMM 100	Speech Communication	3.00	1st Fall	
	First-Year Experience Course	FYE 101	First Year Experience	1.00	1st Fall	
Core Requirement:		MATH 262	Calculus II	4.00	1st Spring	16.00
Core Requirement:		MATH 311	Intro to Proof and Abstract Mathematics	3.00	1st Spring	
Related Requirement:	LASC 5	ECON 202	Principles of Economics I: Micro	3.00	1st Spring	
	LASC			3.00	1st Spring	
	LASC			3.00	1st Spring	

### 2nd Year

Core Requirement:		MATH 323	Multi-Variable and Vector Calculus	4.00	2nd Fall	17.00
Core Requirement:		MATH 335	Intermediate Probability and Stats I	4.00	2nd Fall	
Related Requirement:	LASC 5	ECON 204	Principles of Economics II: Macro	3.00	2nd Fall	
	LASC			3.00	2nd Fall	
	LASC			3.00	2nd Fall	
Core Requirement:		MATH 327	Intro to Linear Algebra	3.00	2nd Spring	13.00
Core Requirement:		MATH 291	LaTeX	1.00	2nd Spring	
Core Requirement:		MATH 336	Intermediate Probability and Stats II	3.00	2nd Spring	
Core Requirement:		MATH 321	Financial Mathematics	3.00	2nd Spring	
	LASC/WI			3.00	2nd Spring	

### 3rd Year

Core Requirement:		MATH 435	Mathematical Stats I	4.00	3rd Fall	16.00
Related Requirement:		ACCT 230	Principles of Accounting	3.00	3rd Fall	
Writing Intensive:	200-level or higher			3.00	3rd Fall	
	LASC			3.00	3rd Fall	
	LASC			3.00	3rd Fall	
Core Requirement:		MATH 436	Mathematical Stats II	3.00	3rd Spring	15.00
Related Requirement:		ACCT 231	Principles of Accounting II	3.00	3rd Spring	
General Elective/Minor Course:				3.00	3rd Spring	
	LASC			3.00	3rd Spring	
	LASC			3.00	3rd Spring	

### 4th Year

Core Requirement:		MATH 450 or 361	Intermediate Analysis I or Numerical Analysis I	4.00	4th Fall	16.00
Related Requirement:		FINC 340	Financial Management	3.00	4th Fall	
Writing Intensive:	200-level or higher			3.00	4th Fall	
General Elective/Minor Course:				3.00	4th Fall	
General Elective/Minor Course:				3.00	4th Fall	
Core Requirement:	WI for major	MATH 491	Mathematical Writing	3.00	4th Spring	12.00
Related Requirement:		FINC 360	Principles of Investment	3.00	4th Spring	
General Elective/Minor Course:				3.00	4th Spring	
General Elective/Minor Course:				3.00	4th Spring	