



**Bachelor of Science**

**Major: Mathematics**

**2024-2025 Sample 4-Year Plan**

**Total Degree Requirements: 120 credits**

Student \_\_\_\_\_ Student ID# \_\_\_\_\_ Student Phone # \_\_\_\_\_  
 Advisor \_\_\_\_\_ Minimum GPA 2.00 Minor/Career Interest(s) \_\_\_\_\_

Students are not limited to this plan; it is meant to be used as a guide for planning purposes in consultation with your advisor. The sample schedule is one possible path to completing your degree within four years. For official program requirements, please refer to the [Undergraduate Catalog](#).

**FIRST YEAR**

**Fall**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
ENGL 101	Composition I (SGR #1)	p. Placement	3		
MATH 123	Calculus I (SGR #5)	p. Placement	4		
MATH 198	The Mathematics Profession		1	F	
SGR #4	Arts & Humanities		3		
SGR #6	Natural Sciences		3-4		
<b>Total Credit Hours</b>			14		

**Spring**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
MATH 125	Calculus II	p. MATH 123	4		
SGR #1	Written Communication	p. ENGL 101	3		
SGR #2	Oral Communication		3		
SGR #3	Social Sciences		3		
SGR #6	Natural Sciences		3-4		
<b>Total Credit Hours</b>			16		

**SECOND YEAR**

**Fall**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
MATH 225	Calculus III	p. MATH 125	4		
MATH 230	Sophomore Seminar	p. MATH 125	1	F	
MATH 250	Introduction to Linear Algebra and Proof	p. MATH 123	3		
STAT 382	Probability and Statistics I	p. MATH 125	3	F	
General Electives			4		
<b>Total Credit Hours</b>			15		

**Spring**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
MATH 253	Logic, Sets, and Proof	p. MATH 125 and MATH 250 (grade of C or better in both)	4		
MATH 321 or MATH 316	Differential Equations or Discrete Math	MATH 321: p. MATH 125; MATH 316: p. MATH 253 or MATH 250	3		
MATH/STAT 300-400 Level Electives			3		
SGR #3	Social Sciences		3		
SGR #4	Arts & Humanities		3		
<b>Total Credit Hours</b>			16		

**THIRD YEAR**

**Fall**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
Take one of MATH 412 or MATH 413 or MATH 425	Linear Algebra Abstract Algebra I or Real Analysis I	p. MATH 250 p. MATH 253 (grade of C or better) p. MATH 253 (grade of C or better)	3 or 3 or 3		

**Information Subject to Change. This is not a contract.**

p. = Course Prerequisite  
Semester: F = Fall, S = Spring, SU = Summer



Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
MATH/STAT 300-400 Level Electives			3		
General Electives			9		
<b>Total Credit Hours</b>			15		

**Spring**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
Take one of MATH 412 or MATH 413 or MATH 425	Linear Algebra Abstract Algebra I or Real Analysis I	p. MATH 250 p. MATH 253 (grade of C or better) p. MATH 253 (grade of C or better)	3 or 3 or 3		
MATH/STAT 300-400 Level Electives			3		
General Electives			9		
<b>Total Credit Hours</b>			15		

**FOURTH YEAR**

**Fall**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
MATH 401 (S03)	Senior Capstone		2		
MATH/STAT 300-400 Level Electives			3		
General Electives			10		
<b>Total Credit Hours</b>			15		

**Spring**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
MATH 401 (S04)	Senior Capstone		2		
MATH/STAT 300-400 Level Electives			2		
General Electives			10		
<b>Total Credit Hours</b>			14		

**COMMENTS/NOTES**

The Department of Mathematics and Statistics has additional plans of study in different focus areas including Applied Mathematics, Data Science, Teaching, and Actuarial/Financial Mathematics. Please contact your advisor for additional information.

Students from all academic majors can pursue graduation with Fishback Honors College distinction. View the [Honors program requirements](#).