

Student ID: \_\_\_\_\_  
 Student Name: \_\_\_\_\_  
 Advisor Name: \_\_\_\_\_

Catalog: 2024-2025 Undergraduate Catalog  
 Program: Mathematics, BS/BA

### Mathematics, BS/BA

The Mathematics Major has two (2) options: a Mathematics option, and a Mathematics Field Endorsement (7-12). Students completing a Mathematics degree must take STAT 210 to fulfill General Studies requirements. A student must complete the following requirements in addition to the General Studies requirements. No grade lower than "C-" will satisfy major requirements. Students wanting to pursue a Bachelor of Arts degree must complete the Additional BA Requirements.

### Mathematics Requirements

#### Required Program Prerequisites

Course Name	Credit Hours	Term Taken	Grade	Gen Ed
STAT 210 - Statistics	3 Credit Hours			

#### Mathematics Core Requirements

Course Name	Credit Hours	Term Taken	Grade	Gen Ed
MATH 225 - Calculus with Analytic Geometry I	5 Credit Hours			
MATH 226 - Calculus with Analytic Geometry II	5 Credit Hours			
MATH 230 - Foundations of Mathematical Thought	3 Credit Hours			
MATH 306 - Modern Algebra	3 Credit Hours			
MATH 327 - Calculus with Analytic Geometry III	3 Credit Hours			
MATH 418 - Linear Algebra	3 Credit Hours			
MATH 490 - Seminar in Mathematical Research	1 Credit Hours			

**Mathematics Core Total: 23**

#### Additional Program Requirements

Course Name	Credit Hours	Term Taken	Grade	Gen Ed
MATH 328 - Differential Equations	3 Credit Hours			
MATH 420 - Introduction to Real Analysis	3 Credit Hours			
STAT 440 - Advanced Statistics	3 Credit Hours			

#### Science Sequence

(Choose one (1) course sequence from the following)

Course Name	Credit Hours	Term Taken	Grade	Gen Ed
CHEM 101 - General Chemistry I	4 Credit Hours			
CHEM 102 - General Chemistry II	4 Credit Hours			
<b>Or</b>				
PHYS 201 - General Physics I	5 Credit Hours			
PHYS 202 - General Physics II	5 Credit Hours			

#### Mathematics Electives

(Select nine (9) hours (at least three (3) courses) from the following)

Course Name	Credit Hours	Term Taken	Grade	Gen Ed
MATH 304 - Modern Geometry	3 Credit Hours			
MATH 404 - Mathematical Modeling	3 Credit Hours			
MATH 430 - Introduction to Combinatorics	3 Credit Hours			
<ul style="list-style-type: none"> <li>Independent Study and/or Special topics in Mathematics may be applied toward the major with the consent of the Dean of the School. <b>3 Credit Hours</b></li> </ul>				

**Option Total: 26 to 28**

**Major Total: 49 to 51**

Notes:

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