

<b>Student ID:</b> _____ <b>Student Name:</b> _____ <b>Adviser Name:</b> _____	<b>Catalog: 2016-2017 Undergraduate and Graduate Catalog Program: Mathematics, B.S. Minimum Credits Required:</b> _____
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**Mathematics, B.S.**

**CIP Code:** S671 (270101-01)  
**Total Credit Hours:** 120  
**Degree Awarded:** Bachelor of Science  
**Career Opportunities:** CPA, banking insurance, computer hardware and software firms.

**Freshman Year**

**Required Courses**

Course Name	Credit(s).	Term Taken	Grade	Gen Ed
UNIV 100 - First Year Seminar	3 Credit(s).			
CMPS 150 - Introduction to Computer Science Prereq: MATH 109 or MATH 110 or MATH 143 with a grade of "C" or better.	3 Credit(s).			
ENGL 101 - Introduction to Academic Writing Prereq: Minimum ACT English subscore of 18.	3 Credit(s).			
ENGL 102 - Writing and Research About Culture Prereq: Minimum ACT English subscore of 28 or a grade of "C" or better in ENGL 101.	3 Credit(s).			
MATH 270 - Calculus I ( <i>Very well prepared students should inquire about taking the Honors class.</i> ) Prereq: Minimum ACT math score of 28 or SAT MATH score of 630, MATH 109 and MATH 110 with a grade of "C" better, or MATH 143 with a grade of "C" or better or permission of department required.	4 Credit(s).			
MATH 301 - Calculus II ( <i>Very well prepared students should inquire about taking the Honors class.</i> ) Prereq: MATH 270 or MATH 272 with grade of "C" or better.	4 Credit(s).			

**Electives**

**ARTS (3 Credits)**

Must be chosen from DANC, MUS, THEA, or VIAR.

**BHSC (3 Credits)**

Must be chosen from ANTH, ECON, GEOG, POLS, PSYC, or SOCI. At least one BHSC elective must be at the 200 level or above.

**HIST (3 Credits)**

Refer to the specific degree requirements of the College. Electives must be approved by the Department.

**Total: 29 Credits**

## Sophomore Year

### Required Courses

Course Name	Credit(s).	Term Taken	Grade	Gen Ed
MATH 302 - Calculus III ( <i>Very well prepared students should inquire about taking the Honors class.</i> ) Prereq: MATH 301 or MATH 309 with a grade of "C" better.	4 Credit(s).			
MATH 350 - Differential Equations Prereq: MATH 301 or MATH 309 with a grade of "C" or better.	3 Credit(s).			
MATH 360 - Fundamentals of Mathematics Prereq: MATH 250 or MATH 270, MATH 272 or MATH 251 a grade of "C" or better.	3 Credit(s).			
MATH 320 - History of Mathematics Prereq: MATH 250 or MATH 270, MATH 251 or MATH 272 with a grade of "C" or better or permission of department required.	3 Credit(s).			

### Electives

#### ENGL (3 Credits)

Literature.

#### BHSC (3 Credits)

Must be chosen from ANTH, ECON, GEOG, POLS, PSYC, or SOCI. At least one BHSC elective must be at the 200 level or above.

#### SCI (6 Credits)

SCI electives are to be chosen from both biological (BIOL or ENV 150) and physical (CHEM, GEOL, or PHYS) sciences, two courses of which must be from the same science.

#### General Electives (5 Credits)

**Total: 30 Credits**

## Junior Year

### Required Courses

Course Name	Credit(s).	Term Taken	Grade	Gen Ed
ENGL 365 - Technical Writing Prereq: "C" or better in ENGL 102 or ESOL 102 or ENGL 115 or advanced placement, and at least 60.0 hours of credit toward degree.  Pre/Coreq: Fifteen hours credit in the student's major field.	3 Credit(s).			
MATH 462(G) - Linear Algebra Prereq: MATH 360 with a grade of "C" or better.	3 Credit(s).			
STAT 425(G) - Basic Theory of Statistics I Prereq: MATH 302 with a grade of "C" or better.	3 Credit(s).			

### Electives

#### HUMN (3 Credits)

Refer to the specific degree requirements of the College. Electives must be approved by the Department.

#### SCI (3 Credits)

SCI electives are to be chosen from both biological (BIOL or ENV 150) and physical (CHEM, GEOL, or PHYS) sciences, two courses of which must be from the same science.

#### General Electives (10 Credits)

Sufficient number of semester hours of electives must be at the 300 or 400 level in order to meet the requirement of 45 semester hours of 300 or 400 level courses.

Refer to the specific degree requirements of the College. Electives must be approved by the Department.

#### MATH/STAT (6 Credits)

Upper level mathematics and statistics electives must be approved by the department.

### Total: 31 Credits

## **Senior Year**

### **Electives**

#### **MATH/STAT (12 Credits)**

Upper level mathematics and statistics electives must be approved by the department.

#### **General Electives (18 Credits)**

Sufficient number of semester hours of electives must be at the 300 or 400 level in order to meet the requirement of 45 semester hours of 300 or 400 level courses.

Refer to the specific degree requirements of the College. Electives must be approved by the Department.

### **Total: 30 Credits**

#### **Notes:**