



**CATALOG YEAR 2006-2008**  
**(Please use separate form for each add/change)**

COLLEGE: \_\_\_\_\_Arts and Sciences\_\_\_\_\_

Current Catalog Page(s) Affected \_\_\_\_\_p. 91 and p. 120\_\_\_\_\_

**Course:** Add: \_\_\_\_\_ Delete: \_\_\_\_\_ Change: Number \_\_\_\_ Title \_\_\_\_\_  
(check all that apply) SCH \_\_\_\_\_ Description \_\_\_\_\_ Prerequisite \_\_\_\_\_

If new, provide Course Prefix, Number, Title, SCH Value, Description, prerequisite, and lecture/lab hours if applicable. If in current catalog, provide change and attach page with changes in red and provide a brief justification.

**Program: BS with Major in Mathematics.** Add: \_\_\_\_\_ Change: \_\_\_X\_\_\_

Attach new/changed Program of Study description and 4-year plan. If in current catalog, provide change and attach page with changes in red.

See changes in the next pages.

**Minor:** Add: \_\_\_\_\_Delete: \_\_\_\_\_ Change: \_\_\_\_\_ Attach new/changed minor. If in current catalog, provide change and attach page with changes in red.

**Faculty:** Add: \_\_\_\_\_ Delete: \_\_\_\_\_ Change: \_\_\_\_\_

Attach new/changed faculty entry. If in current catalog, provide change and attach page with changes in red.

**College Introductory Pages:** Add information: \_\_\_\_\_ Change information: \_\_\_\_\_ .

Attach new/changed information. If in current catalog, provide change and attach page with changes in red.

Approvals:	Signature	Date
Chair Department Curriculum Committee	_____	_____
Chair Department	_____	_____
Chair College Curriculum Committee	_____	_____
Dean	_____	_____

Changes in the program are marked in red.

## Degree Requirements for the BS with a Major in Mathematics

1. **Hours Required:** A minimum of **124** semester credit hours (SCH): 45 hours must be advanced, and fulfillment of degree requirements as specified in the 1103, and "Requirements for Graduation" section of this catalog.
2. **University Core Curriculum:** 42 SCH as outlined in the suggested plans and as specified in the "Requirements for Graduation".
3. **Major:** 57 SCH and the 3 SCH of Mathematics taken as part of the core. Lower-level requirements include MATH 2413, 2414, 2415, ~~and COSC 2301~~ **COSC 1336 and COSC 1136**. Advanced requirements include MATH 3310, 3330, 3360, 3365, 4310, 4335 and 27 SCH at least 24 of which must be selected from any 4000 level MATH courses, excluding MATH 4390.
4. **Minor:** A minimum of 18 SCH from one discipline at least twelve of which must be at the 3000-4000 level. See Appendix B.
5. **Electives:** 6 SCH, at the 3000-4000 level.

Changes in the 4 year degree plan are explained below:

## BACHELOR OF SCIENCE MAJOR IN MATHEMATICS

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for reviewing the **Program of Study Requirements**.

*\*See Appendix A Core Curriculum and Optional Course Information.*

**\*\* See Appendix C** for approved list of minors and requirements.

FALL	HOURS	SPRING	HOURS
<b>FRESHMAN YEAR</b>		<b>FRESHMAN YEAR</b>	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
HIST 1301 The U.S. to 1877	3	HIST 1302 The U.S. Since 1877	3
MATH 2413 Calculus I	4	MATH 2414 Calculus II	4
Natural Science*	4	Natural Science*	<u>4</u>
Activity/Wellness*	<u>1</u>		
<b>Total</b>	<b>15</b>		<b>14</b>
<b>SOPHOMORE YEAR</b>		<b>SOPHOMORE YEAR</b>	
PSCI 2305 American National Govt	3	PSCI 2306 American State Govt	3
MATH 2415 Calculus III	4	MATH 3330 Differential Equations	3
MATH 3365 Discrete Mathematics	3	MATH 3360 Statistics	3
<b>COSC 1336 Fundamentals of Programming</b>	<b>3</b>	ENGL 2311 Technical Writing	3
<b>COSC 1136 Fundamentals of Prog. Lab.</b>	<b>1</b>	Visual/Performing Arts*	<u>3</u>
ENGL Survey of Literature*	<u>3</u>		
<b>Total</b>	<b>17</b>		<b>15</b>
<b>JUNIOR YEAR</b>		<b>JUNIOR YEAR</b>	
MATH 4335 Advanced Calculus	3	MATH 4310 Abstract Algebra	3

MATH 3310 Linear Algebra	3	MATH MATH Elective	3
Soc/Behavioral Science*	3	MATH Advanced Math Elective <sup>1</sup>	3
Minor Curriculum**	3	MATH Advanced Math Elective <sup>1</sup>	3
Minor Curriculum**	3	MATH Adv Minor Curriculum**	<u>3</u>
Advanced Elective	<u>3</u>		
<b>Total</b>	<b>18</b>		<b>15</b>

**SENIOR YEAR**

MATH Advanced Math Elective <sup>1</sup>	3
MATH Advanced Math Elective <sup>1</sup>	3
MATH Advanced Math Elective <sup>1</sup>	3
Advanced Elective	3
Adv Minor Curriculum**	<u>3</u>
<b>Total</b>	<b>15</b>

**SENIOR YEAR**

MATH Advanced Math Elective <sup>1</sup>	3
MATH Advanced Math Elective <sup>1</sup>	3
MATH Advanced Math Elective <sup>1</sup>	3
Adv Minor Curriculum**	3
Adv Minor Curriculum**	<u>3</u>
<b>Total</b>	<b>15</b>

**TOTAL SEMESTER CREDIT HOURS: 124**

<sup>1</sup>Math Electives, select 27 SCH at least 24 which must be from any 4000 level math courses, and excluding MATH 4390.