COLLEGE: ____Arts and Sciences_____

Current Catalog Page(s) Affected   ____p. 86 and p. 104_____

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: BA 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 BA 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 "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: 52** 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 21 SCH with at least 18 SCH from MATH 4305, 4315, 4330, 4340, 4345, 4350, 4355, 4360, 4395.

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: 12** SCH, at the 3000-4000 level.

Changes in the 4 year degree plan are explained below:

BACHELOR OF ARTS
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
FRESHMAN YEAR		**FRESHMAN YEAR**	
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*	4
Activity/Wellness*	1	Visual/Performing Arts*	3
Total	**15**		**17**
SOPHOMORE YEAR		**SOPHOMORE YEAR**	
ENGL Survey of Literature*	3	ENGL 2311 Technical Writing	3
COSC 1336 Fundamentals of Programming	3	MATH 3330 Differential Equations	3
COSC 1136 Fundamentals of Prog. Lab.	1	MATH 3360 Statistical Analysis	3
MATH 2415 Calculus III	4	PSCI 2306 American State Govt	3
MATH 3365 Discrete Mathematics	3	Minor Curriculum**	3
PSCI 2305 American National Govt	3		
Total	**17**		**15**

JUNIOR YEAR

MATH 4335 Advanced Calculus	3
MATH 3310 Linear Algebra	3
Soc/Behavioral Science*	3
Minor Curriculum**	3
MATH Advanced Math Elective[1]	3
Total	**15**

JUNIOR YEAR

MATH Advanced Math Elective[1]	3
MATH 4310 Abstract Algebra	3
Adv Minor Curriculum**	3
Advanced Elective	3
Advanced Elective	3
Total	**15**

SENIOR YEAR

MATH Advanced Math Elective[1]	3
MATH Advanced Math Elective[1]	3
MATH Advanced Math Elective[1]	3
Adv Minor Curriculum**	3
Advanced Elective	3
Total	**15**

SENIOR YEAR

MATH Advanced Math Elective[1]	3
MATH Advanced Math Elective[1]	3
Advanced Elective	3
Adv Minor Curriculum**	3
Adv Minor Curriculum**	3
Total	**15**

TOTAL SEMESTER CREDIT HOURS: 124

[1]Advanced Math Electives, select 21 SCH with at least 18 SCH from MATH 4305, 4315, 4330, 4340, 4345, 4350, 4355, 4360, 4395.