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.

Justification: This change shows place of our new course in the program. The justification for adding this course was addressed in a separate document.

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 **123** 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". MATH 2371 must be taken as part of the core.

3. **Major: 51** SCH and the 3 SCH of Mathematics taken as part of the core. Lower-level requirements include MATH 2413, 2414, 2415, and COSC 2301. 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:

Explanation of changes

The course MATH 2371 will be introduced as soon as possible, right after ENGL 1302. Since the purpose is to prepare students for more advanced courses we switch the old communications requirement to the Fall semester and move a more advanced Mathematics course to the Spring semester. In this case MATH 2371 and MATH 3365 switch semesters. No change in the hours per semester, nor total number of hours is done.

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	MATH 3365 Discrete Mathematics	3
COSC 2301 Fundamentals of Comp Sci	3	MATH 3330 Differential Equations	3
MATH 2415 Calculus III	4	MATH 3360 Statistical Analysis	3
MATH 2371 Communications in Math	3	PSCI 2306 American State Govt	3
PSCI 2305 American National Govt	3	Minor Curriculum**	3
Total	**16**		**15**

JUNIOR YEAR		**JUNIOR YEAR**	
MATH 4335 Advanced Calculus	3	MATH Advanced Math Elective[1]	3
MATH 3310 Linear Algebra	3	MATH 4310 Abstract Algebra	3
Soc/Behavioral Science*	3	Adv Minor Curriculum**	3
Minor Curriculum**	3	Advanced Elective	3
MATH Advanced Math Elective[1]	3	Advanced Elective	3
Total	**15**		**15**

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

TOTAL SEMESTER CREDIT HOURS: 123

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