Date Submitted: 03/28/18 3:38 pm

Viewing: MATH-M : Mathematics Minor

Last approved: 05/17/16 2:14 pm

Last edit: 04/02/18 10:12 am

Changes proposed by: markj

Catalog Pages Using this Program

Mathematical Sciences (MASC)

Submitter: 575-5195	User ID:	mattclay	Phone:
Program Status	Active		
Academic Level	Undergraduate		
Type of proposal	Minor		

Select a reason for this modification

Making Minor Changes to an Existing Degree (e.g. changing 15 or fewer hours, changing admission/graduation requirements, adding Focused Study)

Effective Catalog Year	Fall 2019
College/School Code	Fulbright College of Arts and Sciences (ARSC)
Department Code	Department of Mathematical Sciences(MASC)
Program Code	MATH-M
Degree	Minor
CIP Code	

In Workflow

1. **ARSC Dean Initial**
2. **Director of Program Assessment and Review**
3. **Registrar Initial**
4. **Institutional Research**
5. **MASC Chair**
6. **ARSC Curriculum Committee**
7. **ARSC Dean**
8. **Global Campus**
9. **Provost Review**
10. **University Course and Program Committee**
11. **Faculty Senate**
12. Provost Final
13. Provost's Office--Notification of Approval
14. Registrar Final
15. Catalog Editor Final

Approval Path

1. 03/29/18 4:40 pm Jeannine Durdik (jdurdik): Approved for ARSC Dean Initial
2. 04/02/18 10:13 am Alice Griffin (agriffin): Approved for Director of Program

Assessment and Review
3. 06/27/18 9:20 am Karen Turner (kjvestal): Approved for Registrar Initial
4. 06/27/18 9:24 am Gary Gunderman (ggunderm): Approved for Institutional Research
5. 06/27/18 10:03 am Mark Johnson (markj): Approved for MASC Chair
6. 10/11/18 2:14 pm Pearl Dowe (pkford): Approved for ARSC Curriculum Committee
7. 10/11/18 2:26 pm Jeannine Durdik (jdurdik): Approved for ARSC Dean
8. 10/12/18 12:12 pm Miran Kang (kang): Approved for Global Campus
9. 10/16/18 10:16 am Terry Martin (tmartin): Approved for Provost Review
10. 10/29/18 10:48 am Alice Griffin (agriffin): Approved for University Course and Program Committee

History

1. Mar 21, 2016 by mattclay
2. May 17, 2016 by Lisa Kulczak (lkulcza)

27.0101 - Mathematics, General.

Program Title

Mathematics Minor

Program Delivery Method

On Campus

Is this program interdisciplinary?

No

Does this proposal impact any courses from another College/School?

No

What are the total hours needed to complete the program? **16-19**

Program Requirements and Description

Requirements

Requirements for a Minor in Mathematics:

A grade of C or better in the following courses:

MATH 2564	Calculus II (ACTS Equivalency = MATH 2505)	4
MATH 2603	Discrete Mathematics	3
or MATH 2803	Transition to Advanced Mathematics	
or MATH 4423	Introduction to Partial Differential Equations	
3 courses selected from the following:		9-12
MATH 2574	Calculus III (ACTS Equivalency = MATH 2603)	
MATH 2584	Elementary Differential Equations	
STAT 3013	Introduction to Probability	
Any MATH Courses at the 3000-level or higher.		
Total Hours		16-19

8-Semester Plan

Are Similar Programs available in the area?

No

Estimated Student Demand for Program: 75

Scheduled Program Review Date: NA

Program Goals and Objectives

Program Goals and Objectives
The program serves students majoring in natural sciences and engineering by introducing them to the mathematical tools and practices prevalent in STEM fields. The program serves majors from any field by highlighting the utility of mathematics, broadening analytical skills and increasing quantitative reasoning abilities.
Students graduating with a minor in Mathematics have demonstrated to potential employers and graduate schools a deeper understanding of mathematics then their fellow graduates.

Learning Outcomes

Learning Outcomes
A student earning a minor in mathematics will have a thorough understanding of Calculus, and will have been introduced to several advanced mathematical topics. Among the topics the student will see include: set theory and combinatorics, proof techniques, or Fourier analysis and partial differential equations. Further topics are the choice of the student.

Description and justification of the request

Description of specific change	Justification for this change
Require grade of C or better in each of the five required courses for the minor.	As there are relatively few courses required for the minor, to be awarded a minor in the field, students should be expected to achieve a certain degree of proficiency in these courses. A grade below C is usually not considered satisfactory mastery of the basic content material.

Upload attachments

Reviewer Comments

Alice Griffin (agriffin) (04/02/18 9:37 am): Changed effective date to fall 2019. It is too late to complete the approval process in time for the fall 2018 catalog.

Alice Griffin (agriffin) (04/02/18 10:04 am): Inserted the following statement into program requirements (per the submitter).

Alice Griffin (agriffin) (04/02/18 10:12 am): A grade of C or better in the following courses:

Key: 406