



## NEW/CHANGE PROGRAM REQUEST Undergraduate Programs

UUPC Approval \_\_\_\_\_  
 UFS Approval \_\_\_\_\_  
 Banner \_\_\_\_\_  
 Catalog \_\_\_\_\_

**FLORIDA  
ATLANTIC  
UNIVERSITY**

**Department** Mathematics and Statistics

**College** Charles E. Schmidt College of Science

**Program Name**

BA in Math

**New Program\***

**Change Program\***

**Effective Date**

(TERM & YEAR)

**Spring 2027**

**Please explain the requested change(s) and offer rationale below or on an attachment.**

We request to add the course, Applied AI for Science, as a required course for BA in Math.

Rationale: Integrating "Applied AI for Science" into the core curriculum for a Bachelor of Arts in Mathematics is essential to prepare graduates for the evolving landscape of science, technology, and industry. AI is currently transforming mathematical research and application, and mandatory training in this area is necessary to ensure graduates are competitive in the workforce and equipped to address modern complex problems.

Adding Applied AI for Science to BA in Mathematics aligns with FAU's institutional goals in workforce preparation, interdisciplinary education, and research engagement. The course would equip mathematics students with the ability to translate rigorous mathematical training into applied AI methodologies relevant to real-world scientific problems.

\*All new programs and changes to existing programs must be accompanied by a catalog entry showing the new or proposed changes.

**Faculty Contact/Email/Phone**

Yuan Wang / ywang@fau.edu

**Consult and list departments that may be affected by the change(s) and attach documentation**

**Approved by**

Department Chair \_\_\_\_\_

College Curriculum Chair \_\_\_\_\_

College Dean \_\_\_\_\_

UUPC Chair \_\_\_\_\_

Undergraduate Studies Dean \_\_\_\_\_

UFS President \_\_\_\_\_

Provost \_\_\_\_\_

**Date**

4/3/2026

4-16-2026

4/16/26

Email this form and attachments to [mjenning@fau.edu](mailto:mjenning@fau.edu) seven business days before the UUPC meeting.

Catalog Change

**Mathematics**  
**Bachelor of Arts (B.A.)**

*(Minimum of 120 credits required)*

<b>Course Title</b>	<b>Course Number</b>	<b>Credits</b>
Calculus 1	MAC 2311	4
Calculus 2	MAC 2312	4
Calculus 3	MAC 2313	4
<u>Applications of AI in Science</u>	<u>IDS 3763</u>	<u>3</u>
Discrete Mathematics	MAD 2104	3
Introduction to Computational Math	MAD 2502	3
Matrix Theory or Linear Algebra	MAS 2103	3
Introduction to Advanced Mathematics	MHF 3202	3
Introductory Complex Analysis	MAA 4402	3
Vector Calculus	MAS 3156	3
Modern Algebra	MAS 4301	3
Probability and Statistics 1	STA 4442	3
Upper-division math electives		12
<b>Mathematics Total</b>		<b><del>48</del> <u>51</u></b>

**Required Minimum GPA 2.2**