FLORIDA	NEW/CHANGE PROGRAM REQUEST Graduate Programs		UGPC Approval UFS Approval Banner
ATLANTIC	<b>Department</b> Mathematical Sciences		Catalog
UNIVERSITY	College Science		
Program Name		New Program*	Effective Date (TERM & YEAR)
	or B.S. in Mathematics (Honors in Applied Mathematics and Statistics	Change Program*	Fall 2022
Please explain	the requested change(s) and offer	rationale below or on ar	attachment.
Mathematics (H the university can be university. The university can be university can be university can be university can be university ca	ad Statistics (AMST) program. Conseque onors College) to M.S. in Applied Mathematalog.  to low enrollment and graduates of the AS in Mathematics with five concentration information security, and financial mathematicned B.A. or B.S. in Mathematics (Hincorporating the merged MS in Mathematic in combined program with focus on a par B.S. in Mathematics (Honors College) osing the appropriate concentration.	MST program, we have programs; programs, we have programs; pure mathematics, applications. Consequently we had have programs. All the programs and states programs. All the programs and states programs.	pposed to merge the AMST ed analysis, biostatistics, ave made the program f Science with Major in spective students from Honors atistics can apply for the
Faculty Contact/	and changes to existing programs must be acc Email/Phone ong@fau.edu / 561-297-0810		nents that may be affected by
Approved by	101		Date /
Department Chair	•		1 18/21
College Curricului	m Chair	igitally signed by Christopher Beetle ate: 2021 11 23 19:57:12 -05'00'	
College Dean /	William Bovid Kalie		11/29/21
UGPC Chair —			
UGC Chair —			
Graduate College	Dean		

Email this form and attachments to  $\underline{\text{UGPC@fau.edu}}\ 10$  days before the UGPC meeting.

**UFS President** 

Provost

Fau	NEW/CHANGE PROGRAM REQUEST Graduate Programs		UGPC Approval UFS Approval Banner	
FLORIDA ATLANTIC UNIVERSITY	Department Mathematical Sciences		Catalog	
UNIVERSITI	College Science			
Program Name	2	New Program*	Effective Date	
	or B.S. in Mathematics (Honors in Mathematics	Change Program*	(TERM & YEAR) Fall 2022	
Please explain	the requested change(s) and offer	r rationale below or on an	attachment.	
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Mathematics (H	lonors College) to M.S. in Mathematics			
cnange of the N	IS in Mathematics.			
*All new programs	and changes to existing programs must be a	ccompanied by a catalog entry sho	owing the new or proposed changes	
	ty Contact/Email/Phone Consult and list depart		nents that may be affected by	
Hongwei Long/ hl	ong@fau.edu / 561-297-0810	the change(s) and attach Honors College	n documentation	
Approved by	1 Clarko		Date /18/21	
Department Chai	4.3.4	Digitally signed by Christopher Beetle	110101	
College Curriculu College Dean	Millim Dovid Kalie	Date: 2021.11.23 19:57:29 -05'00'	11/29/21	
UGPC Chair —				
UGC Chair —				
Graduate College			1	

Email this form and attachments to <a href="https://www.ugen.com/u

**UFS President** 

Provost

Bachelor of Arts with Major in Liberal Arts and Sciences, with Concentration in Mathematical Sciences; or Bachelor of Arts or Bachelor of Science with Major in Biological and Physical Sciences, with Concentration in Mathematics, to Master of Science Degree with Major in Mathematics

This is an accelerated five-year program where students complete the Bachelor of Arts (B.A.) or Bachelor of Science (B.S.) degree with a Math concentration in the Wilkes Honors College and then continue on with the <u>Master of Science</u> (M.S.) degree in <u>Mathematics</u> in the Charles E. Schmidt College of Science.

The combined degree program is 150 credits: 120 credits for the undergraduate degree and 30 for the master's degree, with a maximum of 12 credits of graduate coursework used to satisfy both degrees. Once admitted into the program, students follow the suggested course sequences within a single track concentration. The baccalaureate degree will be conferred before the master's degree.

Students must maintain a GPA of 3.0 in upper-division and graduate courses. Students interested in this program should consult with the undergraduate and graduate advisors before taking upper-division mathematics coursework to ensure that their coursework will apply toward the combined degree. Students must take the GRE and apply for admission to candidacy by the end of their junior year.

## The Bachelor's Curriculum

Students must complete the requirements of the B.A. with concentration in Mathematical Sciences or the B.A./B.S. degree with concentration in Mathematics from the Wilkes Honors College. In addition, students must complete MAS 4107 Linear Algebra 2 and STA 4442 Probability and Statistics 1.

Twelve graduate credits from the Department of Mathematical Sciences can be counted toward both the bachelor's degree and the master's degree. The 12 graduate credits should be chosen within a single concentration of the master's program. These 12 credits can be counted as the upper-division math electives or as substitutes as follows:

MAA 5228 can be used to substitute for MAA 4200 MAS 5311 can be used to substitute for MAS 4301 MAS 5145 can be used to substitute for MAS 4107

Four graduate courses may to be shared between the bachelor's degree and the master's degree.

Take at least two of the core courses				
Introductory Analysis 1	MAA 5228	3		
Introductory Analysis 2	MAA 5229	3		
Introductory Abstract Algebra 1	MAS 5311	3		
Introductory Abstract Algebra 2	MAS 5312	3		

Details of the master's program in Mathematics and Statistics are found here.

## The Master's Curriculum

Students complete all requirements for the M.S. degree in Mathematics.

From: Terje Hill <terjehill@fau.edu>

Sent: Thursday, November 18, 2021 3:41 PM

To: Stephen Locke <lockes@fau.edu>; Warren McGovern <Wmcgove1@fau.edu>; Hongwei Long

<hlong@fau.edu>

**Subject:** Re: Folding the AMST into the M.S.

Hi Stephen and Hongwei,

Warren and I have reviewed all the documents, and we support the proposed changes. Once the changes are approved, we will update the information on the Honors College website.

I assume that no Honors College signatures are needed on any of these forms, but in case they are needed, please let us know asap. Our curriculum committee meets on Dec. 2, and our last faculty assembly for this year is Friday, Dec. 10 (in case we as a faculty are required to vote on these changes). Please contact UUPC (or Maria Jennings) to find out if Honors College votes and signatures are needed.

All the best, Terje

Dr. Terje Hill, Ph.D.
Professor of Mathematics
Wilkes Honors College, FAU

**From:** Stephen Locke <lockes@fau.edu> **Date:** Tuesday, November 16, 2021 at 12:05

To: Warren McGovern < Wmcgove1@fau.edu>, Terje Hill < terjehill@fau.edu>, Hongwei

Long <a href="mailto:hlong@fau.edu">hlong@fau.edu</a>

**Subject:** Folding the AMST into the M.S.

Warren and Terje,

I sent some files a while back regarding the merger of the M.S. in Applied Mathematics and Statistics into the traditional M.S. program, resulting in an M.S. programs with several tracks.

When we change the Catalog copy for the M.S., we should also change the Catalog copy for the combined programs involving a baccalaureate at the Honors College with an M.S. here in our department.

I'll try to sent the files again, in case you need them.

Hongwei is looking for a comment from your group for when the proposed changes go to the College's Graduate Curriculum Committee.

Thanks, Stephen