

**E - New or Revised Program/Degree/Major Revised
8/19 : Entry # 3554****Today's Date**

09/10/2025

Your Name

Jenny Sharpe

Your Emailjsharp1@highpoint.edu**Are you a department chair?**

Yes

By checking below, I certify that my department chair was notified and approved moving forward with this proposal.

Yes

Please select the appropriate school to oversee this proposal:

Engineering

When will this program / degree / major go into effect?

Fall 2026

Please choose a category for this proposal.

Major - Revise

Are you also revising the corresponding minor?

No

Please provide a 200-word summary of the proposed school / program / degree / major.

The Department of Mathematical Sciences proposes to add a 1-credit course (MTH 1999) to the existing Actuarial Science major. Its current title is Explorations in Math Research, but a proposal to update the title to Explorations in Mathematical Science Research (among other small changes) is currently under review.

What is the rational for the new school / program / degree / major? If this proposal seeks to revise a school / program / degree / major, then what is the rational for the revision?

MTH 1999 has been taught annually since the spring 2017 and required in the math major since the Fall 2021 bulletin. It was originally designed to initiate math majors in problem-solving techniques and mathematical research techniques. It has been very successful, helping to create a culture of inquiry amongst math majors and inspiring students to later do mathematical research. Given that success, and hoping to expand the culture of inquiry to all majors in the department, the Mathematical Sciences department would like to require this course of all majors in our department. The course has been updated to include a wider array of topics, reflective of the fact that all mathematical sciences majors will be present. However, the core of the course and its goals will remain intact. The updated version of this course is currently under review.

Additionally, since all mathematical sciences majors enter the major at their respective level of calculus-readiness (typically Calculus I: MTH 1410, but often beginning in Calculus II: MTH 1420 or even Calculus III: MTH 2410), there is currently no

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curricular landing spot in which mathematical sciences engage with one another. Requiring the course for all majors will provide this. While this has been a spring course, we plan to move it to the fall beginning in Fall 2026, expecting to have a mixture of freshman and sophomore students from across all four majors.

Any additional information that you'd like to share with the Registrar's Office?

No other changes are being proposed to the Actuarial Science major other than adding MTH 1999 as a required course.

List of Required Courses

Course (Prefix and Number)	NEW or EXISTING?	Revisions needed for an existing course (if necessary)
MTH 1999	Existing	Revision to this course is currently under review (title, description, learning outcomes)
ACC 2010	Existing	
ACC 2010	Existing	
CSC 1710	Existing	
MTH 1410	Existing	
MTH 1420	Existing	
ECO 2050	Existing	
FIN 3010	Existing	
MTH 2410	Existing	
MTH 2310	Existing	
STS 2910	Existing	
STS 3110	Existing	A minor curricular change form is in process for this course (for prerequisites).
STS 4120	Existing	A minor curricular change form is in process for this course (for prerequisites).
MTH 3110	Existing	
MTH 3150	Existing	
MTH 3120	Existing	
MTH 3160	Existing	
MTH 4410	Existing	

List of Elective Courses

Course (Prefix and Number)	NEW or EXISTING?	Revisions needed for an existing course (if necessary)
BUA 2100	Existing	

Please upload a file showing the current course requirements (preferably from the Undergraduate Bulletin)

- [Updated-ACTS-Major.pdf](#)
- [Current-ACTS-Major.pdf](#)

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Overlap with existing school / program / degree / major?

N/A. This is a revision to an existing major.

What is the rationale for the new school / program / degree / major?

N/A. This is a revision to an existing major.

What academic divisions, University officers, programs, or other stakeholders are involved in, or affected by, this proposal?

This only affects the Department of Mathematical Sciences.

What types of students are expected to enroll in this program or pursue this degree/major? Please provide projected enrollment.

This is an existing major. We expect the addition of this course to increase student retention in the major, since students will meet others in their program sooner, and be in one class all together.

Consistency of Mission and Quality

The mission of High Point University is to deliver educational experiences that enlighten, challenge and prepare students to lead lives of significance in complex global communities.

The Webb School of Engineering is focused on providing a student-centered environment to produce well-rounded graduates with strong technical skills as well as the necessary life skills to be successful engineers, computer scientists, and mathematicians.

The Actuarial Science major is consistent with both of these missions. Students engage in academically rigorous coursework to prepare them as mathematical thinkers and, ultimately, actuaries. Students in our program build technical skills in mathematics and statistics, and also work toward professional exams in Financial Mathematics and Probability, to prepare them for success in their future positions. The addition of MTH 1999 (the proposed change) to this major helps create a distinctive program, as it creates an academic space through which students in Actuarial Science will engage with faculty and other students across Mathematical Sciences in developing the mathematical thinking and technical communication skills, while wrestling with research problems.

Timeline

No transition plan is needed.

Assessment Strategy

We have an existing assessment plan in place (attached). We do not plan to change the assessment plan as a result of this program revision. However, we do plan to track student outcomes to see what affect MTH 1999 may have on number of majors and number of students doing research.

Please attach full proposal and any supporting documents/reports.

- [Actuarial-Science-Assessment-Plan.pdf](#)

For Deans:

Does this proposal connect solely to programs in your school (Intra-Collegiate), or does it have connections to broader university programs and requirements (Inter-Collegiate)? Note that all proposals connected to University Academic Programs or within the General Education should be considered Inter-Collegiate proposals.

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Intra-collegiate

Is this proposal consistent with the school and university mission?

Yes

Are necessary resources available to support this proposal?

Yes

[DEAN] I approve/deny this proposal for further advancement

Approve

Today's Date (REQUIRED)

09/14/2025

For School EPC:**Is this proposal consistent with the school and university mission?**

Yes

[SCHOOL EPC] I approve/deny this proposal for further advancement

Approve

Today's Date (REQUIRED)

10/17/2025