

**From:** [Neff, Jennifer](#)  
**To:** [Holmes, John](#); [Kahle, Matthew](#)  
**Cc:** [Hadad, Christopher](#); [Vankeerbergen, Bernadette](#); [Steele, Rachel](#)  
**Subject:** New Actuarial Science BS & MAQRМ Combined Program  
**Date:** Thursday, October 16, 2025 1:23:00 PM  
**Attachments:** [image001.png](#)

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Good afternoon,

On Thursday, October 9<sup>th</sup>, the Natural and Mathematical Sciences Subcommittee of the ASC Curriculum Committee reviewed a proposal for a new combined Actuarial Science Bachelor of Science and Master of Actuarial and Quantitative Risk Management program.

The Subcommittee approved the proposal with the following feedback:

- **Contingency:** The Subcommittee identified several issues with Appendix B that they request be addressed:
  - MATH 1151 is not clearly indicated as fulfilling the Mathematical & Quantitative Reasoning/Data Analysis requirement, which makes it appear that the Math GE is missing from the sample schedules.
  - COMM 2367 is starred without explanation in the non-honors sample schedule.. Please indicate that in the sample schedule it also counts as a GEN Them Citizenship for a Diverse and Just World.
  - In the honors sample schedule, COMM 2367 is listed as counting toward both the GEN Theme: Citizenship requirement and the Social and Behavioral Sciences Foundation requirement. A single course cannot count toward both of these requirements, and ECON 2001 or 2002 already satisfies the SBS requirement. If the intent is that an additional SBS or Communication course is required for the honors major, this should be clarified. If not, the indication that COMM 2367 counts as an SBS course should be removed.
  - In both honors sample schedules (4 years and 5 years), there are two GE Natural Sciences courses listed (the first one is listed as a 3-credit course—which is incorrect—and the second one as a 4-credit course). Only one GEN Foundation Natural Science course is needed. Please remove the 3-credit slot and replace with something else (perhaps an elective?).
  - Actuarial Sciences students should take ASC 1100.10 (Arts and Sciences Survey for Mathematical and Physical Sciences) for their survey course rather than ASC 1100.01. This should be adjusted in the non-honors sample schedule. (ASC 1100.01H should remain in the honors schedule, as it is the only survey course offered by ASC Honors.)
  - Both sample schedules (honors and non-honors) show students taking significantly more credit hours in the first year than in subsequent years. Unless there is a specific rationale behind this, the Subcommittee recommends

redistributing credits more evenly across semesters.

- **Contingency:** The Subcommittee notes that MATH 5588: Practicum in AQRM is included among the 12 core credits in Appendix D, but is also mentioned under elective courses (“along with the Practicum [3 cr. hrs.]”), which implies that it carries additional elective credit. The Subcommittee requests that the reference to the Practicum be removed from the elective section of the proposal to avoid confusion.
- **Contingency:** The Subcommittee is unclear on how a student could take 0 elective hours as noted in Appendix D of the proposal. It seems that students can only take zero elective hours if they complete another AQRM Sequence or take additional individual courses listed under the sequences. Otherwise, the program only totals 27 hours. The Subcommittee recommends adjusting the elective requirements to 6 credit hours, clarifying that elective credit must consist of unused courses from the sequences above or from the listed electives, and explaining that the course sequences may be completed in full or may be mixed and matched as electives.
- **Contingency:** The Subcommittee requests clarification on whether honors students who complete an honors thesis and a master’s thesis are expected to complete both independently or if the same work may be used to fulfill both.

As a reminder, **contingencies** (in bold above) must be addressed before the proposal can move forward in the approval process.

When the revisions are completed, please email me and Bernadette Vankeerbergen, Assistant Dean for Curriculum, a copy of the revised program. We will ensure the proposal receives the appropriate review.

Should you have any questions about the feedback, please do not hesitate to reach out to Christopher Hadad (faculty Chair of the NMS Subcommittee) or me.

Best,  
Jennifer



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Pronouns: she/her/hers

