



To Whom it May Concern:

I am writing to propose changes to the Actuarial Science degree program that we believe will better align the curriculum with industry needs (i.e., the SOA exams) and provide more flexibility for our students. I apologize for my delay in getting these proposed changes to you.

Addition of English 3305 as an option alongside English 3304

We propose adding English 3305 as an option alongside English 3304. That course emphasizes the style, organization, and conventions of technical and research reports, proposals, memoranda, and professional correspondence. As actuaries regularly engage in preparing technical reports and communicating complex ideas clearly, this course is as appropriate as English 3304 which focuses on business writing.

Removal of Math 5632: Financial Economics for Actuaries

We recommend removing Math 5632 from the required course list; it would become an elective as described below. This course was originally tied to the Society of Actuaries (SOA) exam on Financial Economics. The SOA no longer offers an exam corresponding to this course, so it is no longer necessary for students pursuing actuarial certification.

Revised Course Flexibility

The current two-course sequence was originally designed to align with the SOA exams, which historically focused on separate exams for loss models and life contingencies. However, since these topics are now combined into a single exam, it makes more sense for students to take courses in both life contingencies and loss models. We propose offering students greater flexibility by allowing them to choose any three courses from the following list:

- Math 5630: Life Contingencies
- Math 5631: Life Contingencies II
- Math 5632: Financial Mathematics for Actuaries (offered but no longer required)
- Math 5633: Loss Models
- Math 5634: Loss Models II

- Math 5637: Topics in Risk Modeling

Again, I apologize for my delay in submitting this change, and I appreciate the committee's consideration of these updates. I look forward to your feedback.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Fowler". The signature is fluid and cursive, with a large initial "J" and a long, sweeping underline.

Jim Fowler
Vice-Chair for Undergraduate
Studies
Department of Mathematics