UNDERGRADUATE COUNCIL
Request for Change(s)

Originating unit requesting change: Math

Type of Change requested:

☐ Course number(s)	☐ Course prerequisite(s)	☐ Program title
☐ Course title	☐ Drop course(s)	☐ Program description
☐ Course description	☐ Drop program(s)	☒ Program requirements

Semester and year change(s) take effect: Fall 2020

Appropriate computer abbreviation if course title is more than 30 spaces: N/A

Briefly summarize the change requested:

Allow MATH 40853 Regression & Time Series to satisfy one of the "programming course" requirements for Track 2 of the Math BS with Actuarial Concentration.

Catalog copy

Present catalog copy (paste-up from catalog is acceptable.

Math BS- Actuarial Track 2

- MATH 40223 Applied Linear Algebra
  or
- MATH 40663 Numerical Analysis

Proposed change(s). (Include exact catalog copy as desired. Underline changes)

Math BS-Actuarial Track 2

- MATH 40223 Applied Linear Algebra
  or
- MATH 40663 Numerical Analysis
  or
- MATH 40853 Regression & Time Series

1. What is the justification for the change(s) requested?

   Students pursuing the BS in Mathematics with Actuarial Concentration, Track 2, must currently take either MATH 40223 Applied Linear Algebra or MATH 40663 Numerical Analysis. The reason for this requirement is for students to take an applied mathematics course that involves programming. The newly-proposed MATH 40853 Regression & Time Series is also an applied mathematics course that requires programming and so is suitable to satisfy the intent of the current requirements. The proposed program change therefore provides students with an additional course option that remains consistent with the existing learning outcomes of the program.

2. If applicable, explain how the change(s) will affect the current program outcomes and assessment mechanisms.

   This change will not affect the overall program outcomes or assessment mechanisms.

3. **Faculty Resources:** How will the unit provide faculty support for this change and any other impact this change may have on other current departmental listings.

   This course is already being taught by a new faculty member and so will not require additional staffing. Adding this course as an option may result in slightly lower enrollments in MATH 40223 Applied Linear Algebra or MATH 40663 Numerical Analysis, though it is not anticipated that these enrollment shifts will be sufficient to disrupt the viability of those courses.

4. **Educational Resources:** Will this change require additional resources not currently available (e.g. space, equipment, library, other)? ☐ YES
   If yes, list additional resources needed. ☒ NO

5. If this change affects other units of the University, include a statement signed by the chairperson(s) of the affected unit(s).
   N/A

6. If cross-listed, provide evidence of approval by all curriculum committees appropriate to both the originating and cross-listed units.
   N/A

Greg Friedman

Approval signature of chairperson of originating unit