UNDERGRADUATE COUNCIL
Request for Change(s)

Originating unit requesting change:

Type of Change requested:

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

Semester and year change(s) take effect:

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

In space provided, briefly summarize change requested:

Programs Only*
Program Name: _____

Current Code: _____Proposed New Code (list 2):_____or _____
(ex: INDE-BFA)

Can have second major: _____Yes_____No

Current 6-digit CIP Code: _____
Does the change require a new or change in CIP code? _____Yes_____ No

If yes, what is the proposed 6-digit CIP code?* _____
 *for reference, please visit: https://nces.ed.gov/ipeds/cipcode/resources.aspx?y=56

Program to be promoted to prospective
undergraduate students by TCU Admissions?   Yes   No

Catalog Copy: *if additional space or formatting is needed, include as an attachment*

Present catalog copy (paste-up from catalog is acceptable):

Proposed change(s): Include exact catalog copy as desired. Strike-through deletions and underline changes in Adobe Acrobat by using Ctrl+E (PC) or Cmd+E (Mac).

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

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

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).

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

_____
Approval signature of chairperson of originating unit

Old catalog copy:

Any two of the following:

COSC 20203	Techniques in Programming	3
ECON 31223	Intermediate Microeconomics: A Mathematical Approach	3
ECON 40313	Econometrics	3
PHYS 20474	Physics I with Laboratory: Mechanics	4
	OR	
PHYS 20475	Physics I for Majors: Mechanics	5
PHYS 20484	Physics II with Laboratory: Electromagnetism and Optics	4
	OR	
PHYS 20485	Physics II for Majors	5

New catalog copy:

Any two of the following:

COSC 20203	Techniques in Programming	3
COSC 40403	Analysis of Algorithms	3
COSC 40523	Deep Learning	3
ECON 31223	Intermediate Microeconomics: A Mathematical Approach	3
ECON 40313	Econometrics	3
ECON 40323	Time Series Econometrics	3
PHYS 20474	Physics I with Laboratory: Mechanics	4
	OR	
PHYS 20475	Physics I for Majors: Mechanics	5
PHYS 20484	Physics II with Laboratory: Electromagnetism and Optics	4
	OR	
PHYS 20485	Physics II for Majors	5

December, 20th 2023

Re: Associated requirements for all Math and Actuarial Science Programs

This note confirms that the proposed change to the Associated requirements for Math and Actual

Science Programs at TCU involving the addition of ECON 40323 Time Series Econometrics is

approved by the department of economics.

Dawn Elliott

Chair, Department of Economics

d.elliott@tcu.edu

(817) 257 623.

From:	Scherger, Michael
Sent:	Wednesday, December 20, 2023 11:52 AM
To:	Friedman, Greg
Subject:	Re: Associated requirements

Hi Greg,

The Department of Computer Science approves the changes to associated requirements for Math and Actuarial Science majors.

I just want to mention a few things…
Currently, COSC 40403 – Analysis of Algorithms and COSC 40523 – Deep Learning are offered once per year in fall semesters. We do not schedule them on top of each other. Students could take both in the same semester but that rarely happens (reference our COSC 4 year plan).

I agree, that this change in MATH may not affect the class sizes too much.

I agree that this change to your associated requirements would mostly be used by those students who are double majoring in MATH/COSC or minoring in COSC.

The prereqs for Algorithms are Data Structures and Discrete II (coreq). To get there, the minimum set of COSC/MATH courses students would take is:
COSC 10403 – Intro to Programming
COSC 20203 – Techniques in Programming
COSC 20803 – Data Structures
MATH 20123 – Discrete Math I
MATH 30123 – Discrete Math II (can be a coreq)

The prereq for Deep Learning are Intro to Data Science, Linear Algebra, and (Elementary Stats or Stats). To get there, minimum set of COSC/MATH students would take:
COSC 10403 – Intro to Programming
COSC 20203 – Techniques in Programming
COSC 20803 – Data Structures
COSC 30103 – Intro to Data Science (Cross listed as MATH 30103)
MATH 20123 – Discrete Math I
MATH 30224 – Linear Algebra
MATH 10043 – Elementary Statistics OR MATH 30853 - Statistics

Mike Scherger

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