

**DEGREE/PROGRAM CHANGE
FORM C**

Fields marked with * are required

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Phone Number:* 277-1395 Initiator's Rank / Title* Associate Professor
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Department* Civil Engineering
Division **Program**
Branch

Proposed effective term:

Semester Spring ▼ Year 2012 ▼

Course Information

Select Appropriate Program Undergraduate Degree Program ▼ CIP Code
Name of New or Existing Program * B.S. Civil Engineering
Catalog Page Number Select Category Degree ▼ Degree Type B.S.
Select Action Revision ▼

Exact Title and Requirements as they should appear in the catalog.

See current catalog for format within the respective college (enter text below or upload a doc/pdf file)

[CE curric revision - STAT345 option.pdf](#)

This Change affects other departmental program/branch campuses

Reason(s) for Request * (enter text below or upload a doc/pdf file)

CE 354 is not offered on a regular schedule, which affects students' ability to graduate on time. Therefore, we have identified a similar level and content course which is offered more frequently so that students can have the option of taking either course, and thus, better control when they graduate.

Statements to address budgetary and Faculty Load Implications and Long-range planning

* (enter text below or upload a doc/pdf file)

This change is expected to have no significant budgetary or faculty load implications, since STAT 345 it is already offered on a regular basis and the number of additional students expected to take this course is minor (~20 per year).

Proposed B.S. Civil Engineering Curriculum Change

CE 354	Probability and Statistics for Civil Engineers	3
CE 382	Transportation Engineering	3
		17
	Second Semester	
CE 308	Structural Analysis	3
CE 310	Structural Design I	4
CE 335	Introduction to Water And Wastewater Treatment	3
CE 350	Engineering Economy	3
CE 360	Soil Mechanics/Lab	4
		17
	Fourth Year (2) First Semester	
CE 442	Hydraulic Engineering and Hydrology	3
CE 372	Construction Contracting	3
	Technical Elective D (3)	3
	Engineering Science Elective ECE 203 or ME 301	3
	Core Humanities Elective (1)	3
		15
	Second Semester	
CE 409	Engineering Ethics	1
CE 499L	Design of Civil Engineering Systems	3
	Technical Elective D (3)	3
	Technical Elective (4)	3
	Core Social/Behavioral Science Elective (1)	3
	Core Second Language Elective (1)	3
		16

→ OR STAT 345

Elements of
Mathematical
Statistics and
Probability Theory
3 cr.

Notes:

1. Specific Core Curriculum requirements.
2. Students must take the Fundamentals of Engineering Exam prior to graduation.
3. Technical elective D: CE 411, 424, 436, 440, 462 and 482.
4. See advisor for a list of approved technical electives.