

**DEGREE/PROGRAM CHANGE  
FORM C**

Fields marked with \* are required

Name of Initiator:

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Date:

\* 11-01-11

Initiator's Rank / Title

Associate Professor

Faculty Contact

\* Susan Bogus Halter

Administrative Contact

\* Josie Gibson

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., Construction 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)

[ConE 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).

CE 160L	Civil Engineering Design	3
	Core Humanities Elective	3
		17
	<b>Second Semester</b>	
ENGL 102	Composition II: Analysis and Argument (1)	3
MATH 163	Calculus II	4
CS 151L	Computer Programming Fundamentals for Non-Majors Lab	3
PHYC 160	General Physics (1)	3
EPS 101	Introduction to Geology (1)	3
-or-		
CHEM 122	General Chemistry (1)	3
CHEM 124L	General Chemistry Lab(1)	1
		16/17
<b>Second Year</b>	<b>First Semester</b>	
MATH 264	Calculus III	4
PHYC 161	General Physics	3
CE 202	Engineering Statics	3
ECON 105	Introductory Macroeconomics (1)	3
	Core Humanities Elective	3
		16
	<b>Second Semester</b>	
MATH 316	Applied Ordinary Differential Equations	3
MGMT 202	Principles of Financial Accounting	3
ME 306	Dynamics	3
ENGL 219	Technical and Professional Writing (1)	3
	Core Fine Arts Elective	3
		15
<b>Third Year</b>	<b>First Semester</b>	
CE 302	Mechanics of Materials	3
CE 305	Infrastructure Materials Science	4
CE 283	Transportation System Measurements	3
CE 350	Engineering Economy	3
CE 376	Cost Estimating	3
		16
	<b>Second Semester</b>	
CE 308	Structural Analysis	3
CE 310	Structural Design I	4
CE 360L	Soil Mechanics/Lab	4
CE 370	Construction Methods and Equipment	3
CE 377	Construction Scheduling	3
		17
<b>Fourth Year (2)</b>	<b>First Semester</b>	
CE 331L	Fluid Mechanics/Lab	4
CE 354	Probability and Statistics in CE	3

Constructor:  
B.S. ~~CE~~ Engineering  
Proposed curriculum  
revision

OR STAT 345  
Elements of Mathematical  
Statistics and Probability  
Theory 3 cr.