

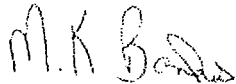
MEMORANDUM

TO: The Engineering Faculty
FROM: The Faculty of the School of Civil Engineering
RE: Change in Number of Credits Required for Degree

The faculty of the School of Civil Engineering has approved changing the number of credits required to meet graduation requirements from 133 to 131.

This action is now submitted to the Engineering Faculty for a recommendation for approval.

Reason: Depending on the courses chosen to meet graduation requirements, the number of credits earned by a student may be as low as 131. For example, students who choose a three-credit science selective course and/or take the three-credit English composition honors course would have to take an additional course, simply to reach 133 credits.



M. Katherine Banks, Head
School of Civil Engineering

APPROVED FOR THE FACULTY
OF THE SCHOOLS OF ENGINEERING
BY THE ENGINEERING
CURRICULUM COMMITTEE

ECC Minutes

8

Date

12/14/10

Chairman ECC

R. Cipra

Current CE Curriculum – 133 credits

First Year

First Semester

- (4) MA 16500 (Calculus I)
- (4) CHM 11500 (General Chemistry I)
- (2) ENGR 13100 (Transform Ideas to Innov I)
- (2) ENGR 13200 (Transform Ideas to Innov II)
- (4) ENGL 10600 (Engl Comp)
- (16) Total Credits

Second Semester

- (4) MA 16600 (Calculus II)
- (4) Science Selective
- (4) PHYS 17200 (Modern Physics)
- (2) CGT 16400 (Computer Graphics)
- (3) COM 114 (Fund of Speech Com)
- (17) Total Credits

Sophomore Year

Third Semester

- (4) CE 20300 (Principles and Practices of Geomatics)
- (0) CE 29000 (Civil Engineering Seminar)
- (3) CE 29700 (Basic Mechanics I: Statics)
- (4) MA 26100 (Multivariate Calculus)
- (3) PHYS 24100 (Electricity and Optics)
- (3) General Education elective
- (17) Total Semester Credits

Fourth Semester

- (3) CE 23100 (Engineering Materials I)
- (4) CE 27000 (Introductory Structural Mechanics)
- (3) CE 29800 (Basic Mechanics II: Dynamics)
- (3) MA 26500 (Linear Algebra)
- (3) General Education elective
- (16) Total Semester Credits

Junior Year

Fifth Semester

- (3) CE 33100 (Engineering Materials II)
- (3) CE 34000 (Hydraulics)
- (1) CE 34300 (Elementary Hydraulics Laboratory)
- (3) MA 26600 (Ordinary Differential Equations)
- (3) General Education elective
- (3) Technical Elective
- (16) Total Semester Credits

Sixth Semester

- (3) STAT 51100 (Statistical Methods)
- (3) CE 39800 (Intro to Civil Engineering System Design)
- (3) CE 39900 (Oral and Written Communications)
- (3) General Education elective
- (6) Technical Electives
- (18) Total Semester Credits

Senior Year

Seventh Semester

- (3) ME 20000 (Thermodynamics I)
- (3) General Education electives
- (12) Technical Electives
- (18) Total Semester Credits

Eighth Semester

- (3) CE 49800 (Civil Engineering Design Project)
- (3) General Education elective
- (9) Technical Electives
- (15) Total Semester Credits

Revised CE Curriculum – 131 credits

First Year

First Semester

- (4) MA 16500 (Calculus I)
- (4) CHM 11500 (General Chemistry I)
- (2) ENGR 13100 (Transform Ideas to Innov I)
- (2) ENGR 13200 (Transform Ideas to Innov II)
- (3 or 4) ENGL 10600 or ENGL 10800 (Engl Comp)
- (15 or 16) Total Credits

Second Semester

- (4) MA 16600 (Calculus II)
- (3 or 4) Science Selective
- (4) PHYS 17200 (Modern Physics)
- (2) CGT 16400 (Computer Graphics)
- (3) COM 114 (Fund of Speech Com)
- (16 or 17) Total Credits

Sophomore Year

Third Semester

- (4) CE 20300 (Principles and Practices of Geomatics)
- (0) CE 29000 (Civil Engineering Seminar)
- (3) CE 29700 (Basic Mechanics I: Statics)
- (4) MA 26100 (Multivariate Calculus)
- (3) PHYS 24100 (Electricity and Optics)
- (3) General Education elective
- (17) Total Semester Credits

Fourth Semester

- (3) CE 23100 (Engineering Materials I)
- (4) CE 27000 (Introductory Structural Mechanics)
- (3) CE 29800 (Basic Mechanics II: Dynamics)
- (3) MA 26500 (Linear Algebra)
- (3) General Education elective
- (16) Total Semester Credits

Junior Year

Fifth Semester

- (3) CE 33100 (Engineering Materials II)
- (3) CE 34000 (Hydraulics)
- (1) CE 34300 (Elementary Hydraulics Laboratory)
- (3) MA 26600 (Ordinary Differential Equations)
- (3) General Education elective
- (3) Technical Elective
- (16) Total Semester Credits

Sixth Semester

- (3) STAT 51100 (Statistical Methods)
- (3) CE 39800 (Intro to Civil Engineering System Design)
- (3) CE 39900 (Oral and Written Communications)
- (3) General Education elective
- (6) Technical Electives
- (18) Total Semester Credits

Senior Year

Seventh Semester

- (3) ME 20000 (Thermodynamics I)
- (3) General Education electives
- (12) Technical Electives
- (18) Total Semester Credits

Eighth Semester

- (3) CE 49800 (Civil Engineering Design Project)
- (3) General Education elective
- (9) Technical Electives
- (15) Total Semester Credits