

**EXECUTIVE COMMITTEE
BOURNS COLLEGE OF ENGINEERING**

**REPORT TO THE RIVERSIDE DIVISION
MAY 23, 2017**

To be adopted:

PROPOSED CHANGE TO ENVIRONMENTAL ENGINEERING UNDERGRADUATE
REQUIREMENTS

PRESENT:

**Major Requirements
Environmental Engineering**

Students must choose either an Air Pollution Control Technology or a Water Pollution Control Technology option.

1. Lower-division requirements (~~69~~ units)
 - a) BIOL 005A, BIOL 05LA
 - b) CEE 010
 - c) CHEM 001A, CHEM 001B, CHEM 001C, CHEM 01LA, CHEM 01LB, CHEM 01LC
 - d) CS 010
 - e) MATH 008B or MATH 009A, MATH 009B, MATH 009C, MATH 010A, MATH 010B, MATH 046
 - f) ME 010
 - g) PHYS 040A, PHYS 040B, PHYS 040C
2. Upper-division requirements (~~77~~ units)
 - a) CEE 158
 - b) ~~CHEM 112A, CHEM 112B~~
 - e) ~~CHE 100, CHE 114, CHE 120~~
 - d) ~~ENGR 118~~
 - e) ~~ENSC 100/SWSC 100~~
 - f) ~~ENVE 120, ENVE 133, ENVE 135, ENVE 142, ENVE 146, ENVE 160B, ENVE 160C, ENVE 171, ENVE 175A, ENVE 175B~~
 - g) ~~ENVE 130/CHE 130, ENVE 160A/CHE 160A~~
3. Option requirements: choose one option (12 units)

PROPOSED:

**Major Requirements
Environmental Engineering**

Students must choose either an Air Pollution Control Technology or a Water Pollution Control Technology option.

1. Lower-division requirements (76 units)
 - a) BIOL 005A, BIOL 05LA
 - b) CEE 010
 - c) CHEM 001A, CHEM 001B, CHEM 001C, CHEM 01LA, CHEM 01LB, CHEM 01LC, CHEM 008A, CHEM 008B, CHEM 08LA, CHEM 08LB
 - d) CS 010
 - e) MATH 008B or MATH 009A, MATH 009B, MATH 009C, MATH 010A, MATH 010B, MATH 046
 - f) ME 010
 - g) PHYS 040A, PHYS 040B, PHYS 040C
2. Upper-division requirements (69 units)
 - a) CEE 158
 - b) CHE 100, CHE 114, CHE 120
 - c) ENGR 118
 - d) ENSC 100/SWSC 100
 - e) ENVE 120, ENVE 133, ENVE 135, ENVE 142, ENVE 146, ENVE 160B, ENVE 160C, ENVE 171, ENVE 175A, ENVE 175B
 - f) ENVE 130/CHE 130, ENVE 160A/CHE 160A
3. Option requirements: choose one option (12 units)

- a) Air Pollution Control Technology option
(1) CHE 116
(2) ENVE 134
(3) Choose one from CEE 125, CEE 132, CHE 102, ENSC 135/CHEM 135/ENTX 135, ENVE 144/ENSC 144, ENVE 138, ENVE 145

- b) Water Pollution Control Technology option
(1) CHE 124 or ENVE 121
(2) Choose one from CEE 125, CHE 116, ENSC 136, ENSC 163
(3) Choose one from CEE 132, ENSC 155, ENVE 144/ENSC 144, ENVE 145

- a) Air Pollution Control Technology option
(1) CHE 116
(2) ENVE 134
(3) Choose one from CEE 125, CEE 132, CHE 102, ENSC 135/CHEM 135/ENTX 135, ENVE 144/ENSC 144, ENVE 138, ENVE 145

- b) Water Pollution Control Technology option
(1) CHE 124 or ENVE 121
(2) Choose one from CEE 125, CHE 116, ENSC 136, ENSC 163
(3) Choose one from CEE 132, ENSC 155, ENVE 144/ENSC 144, ENVE 145

Visit the Student Affairs Office in the College of Engineering or student.engr.ucr.edu for a sample program.

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JUSTIFICATION:

1. The Chemistry department has made changes to the numbering of the CHEM 112 series to CHEM 008 series of classes. The lecture and lab portions of the courses have also been separated. CHEM 12A becomes CHEM 008A and CHEM 08LA, and CHEM 12B becomes CHEM 008B and CHEM 08LB.
2. CEE 010 has been changed to a 1-unit course. The program units have been adjusted to reflect this change.

APPROVALS:

By the faculty of the Department of Chemical & Environmental Engineering:

November 30, 2016

By the BCOE Executive Committee:

February 15, 2017

By the Committee on Educational Policy:

May 3, 2017