**Credit Requirement**

**CENG Major:** 87-91

**Common Core:** 36

(9 credits of double-counting allowed)

**Pre-requisite**

**Co-requisite**

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**Lab (4 credits)**

**Chemical & Environmental Engineering Lab [4] CENG3950**

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**Final Year Project (6 credits)**

[6] CENG4920 (Capstone)
Or [6] CENG4930* (Research)
Or [6] CENG4940 (Co-op)

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**Research Option (6 credits)**

[3] CENG4980 and [3] CENG4980 or any 5000-level course in CENG or BIEN)

*Students taking the Research Option must take CENG4930

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**Introduction (6 credits)**

- Intro. to CBE [3] CENG1000
- Intro to Environmental Engineering [3] CENG1700

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**ChE Design (11 credits)**


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**ChE Science (15 credits)**

- CBE Thermo. [3] CENG2210

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**Depth & Electives (12 credits)**

- CEEV Electives x 2 chosen from:
  - CENG4130 Plant Design and Economics
  - CENG4140 Energy Resources, Conversions and Technologies
  - CIVL4450 Carbon Footprint Analysis and Reduction
  - CIVL4470 Air Quality Control and Management
  - ENEG4320 Energy Storage Technology
  - ENV3110 Sustainable Development
  - ENV3210 Environmental Technology
  - ENV4220 Energy Resources and Usage

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**Math. & Science (27-31 credits)**

- Calculus I [3-4] MATH1012/1013/1023
- Calculus II [3] MATH1014/1024
- Or [3] CHEM2111
- Or Org. Chem. Lab [1] CHEM2155

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**Others (6 credits)**

- Or Org. Chem. Lab [1] CHEM2155
- Academic & Professional Development [0] CHEM1980 & CENG4020
- Engineering Seminars [0] ENG1010 & ENG2010

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**New curriculum applicable for cohorts admitted to Y1 from 2019 onwards**

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*Updated on: 17-Jul-2019*