Credit Requirement
CEEV Major: 89-95
Common Core: 30
(9 credits of double-counting allowed)

Pre-requisite
Co-requisite

Introduction (6 credits)
- Intro. to CBE [3] CENG1000

ChE Design (14 credits)
- Intro to Environmental Engineering [3] CENG1700

ChE Science (15 credits)
- Transport II [3] CENG3220
- Transport I [3] CENG2220
- CBE Thermo. [3] CENG2210

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

Lab (4 credits)
- Chemical & Environmental Engineering Lab [4] CENG3950

Final Year Project (6 credits)

Depth & Electives (12 credits)
- CEEV Electives x 2 chosen from specified elective list, of which at least 1 course from Restricted electives:
  - Restricted electives:
    - CENG4140 Energy Resources, Conversions and Technologies
    - CENG4160 Prototype Development for Chemical Processes and Products
    - CIVL4450 Carbon Footprint Analysis and Reduction
    - ENGE4320 Energy Storage Technology
    - ENV1310 Sustainable Development
    - ENV2320 Energy Sources and Usage
    - Others
    - CENG4330 Plant Design and Economics
    - CENG4950 Chem-E Car
    - CIVL4470 Air Quality Control and Management
    - ENGE3220 Energy Initiatives: Forging Future Engineers
- Environmental Control [3] CENG4710


Math. & Science (24-28 credits)
- Intro to Comp [3-4] COMP1021 or COMP1022P or COMP2011 or COMP2012H
- Calculus I [3-4] MATH1012/1013/1023
- Calculus II [3] MATH1014/1024

- General Chem. Lab [1] CHEM1050
- Or Org Chem. Lab [1] CHEM2155

Industrial Training (modules throughout 4 years) [0] CENG1980
- Academic & Professional Development [0] CENG1010 & CENG4020
- Engineering Seminars [0] ENGC1010 & ENGC2010

Academic & Professional Development [0] CENG1010 & CENG4020

Math. & Science (24-28 credits)
- Intro to Comp [3-4] COMP1021 or COMP1022P or COMP2011 or COMP2012H
- Calculus I [3-4] MATH1012/1013/1023
- Calculus II [3] MATH1014/1024

- General Chem. Lab [1] CHEM1050
- Or Org Chem. Lab [1] CHEM2155

This program is eligible for HKIE Scheme “A” Training in Environmental Discipline on condition that graduates must have completed one of the following courses as an elective:
- CENG 4140/
- CIVL 4450/
- ENVR 3110/
- ENVR 3220/ENEG4320

Updated on: 29-June-2023