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

Math. & Science (24-28 credits)
- Intro to CBE [3] CENG1000
  Or
- Intro to Environmental Engineering [3] CENG1700
- Intro to Comp [3-4] COMP1021 or COMP1022P or COMP2011 or COMP2012H
- Calculus I [3-4] MATH1012/1013/1023
- Org Chem. Lab [1] CHEM2115

ChemE Design (14 credits)
- Intro. to CBE [3] CENG1000
- Or
- Intro to Environmental Engineering [3] CENG1700
- Transport I [3] CENG2220
- Transport II [3] CENG3220
- CBE Thermo. [3] CENG2210
- Reaction and Reactor Engg. [3] CENG3230

ChemE Science (15 credits)
- ChE Design (14 credits)
- CBE Science (15 credits)
- Lab (4 credits)
- Chemical & Environmental Engineering Lab [4] CENG3950

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
  - CIVL4450 Carbon Footprint Analysis and Reduction
  - ENEG4320 Energy Storage Technology
  - ENVR3110 Sustainable Development
  - ENVR3220 Energy Sources and Usage
- Others
  - CENG4130 Plant Design and Economics
  - CENG4950 Chem-
  - CIVL4470 Air Quality Control and Management
  - ENEG3220 Energy Initiatives Forging Future Engineers
  - ENVR3210 Environmental Technology

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

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

Lab (4 credits)
- Fall Offering
- Spring Offering
- Offering in both semester

Credit Requirement
- CENG Major: 87-91
- Common Core: 36
  (9 credits of double-counting allowed)
- Pre-requisite
- Co-requisite

General  Chem. Lab [1] CHEM1050

Environmental Control [3] CENG4710

Introduction (6 credits)
- Math. & Science (24-28 credits)
- Depth & Electives (12 credits)
- Final Year Project (6 credits)
- Research Option (6 credits)
- Lab (4 credits)

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Updated on: 4-Jul-2022