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

Pre-requisite
Co-requisite

Fall Offering
Spring Offering
Offering in both semester

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

Introduction (6 credits)
Intro to CBE [3] CENG1000
Or
Materials [3] CENG1500

CEE 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
ENEG4320 Energy Storage Technology
ENVR3110 Sustainable Development
ENVR3220 Energy Sources and Usage
Others
CENG4330 Plant Design and Economics
CENG4950 Chem-E-Car
CIVL4470 Air Quality Control and Management
ENEG3220 Energy Initiatives Forging Future Engineers

Introduction to Environmental Engineering [3] CENG1700

Math. & Science (24-28 credits)


Math. & Science (24-28 credits)

Calculus I [3-4] MATH1012/1013/1023
Calculus II [3] MATH1014/1024
Or


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

ChE Design (14 credits)

Intro to CBE [3] CENG1000
Or
Materials [3] CENG1500

Integrated Process and Product Design
[5] CENG3150

Process Dyn. & Control
[3] CENG3110

Process & Product Design Principles
[3] CENG2110

Modeling for Chemical & Biological Engineering [3] CENG2310

ChE Science (15 credits)

Transport I
[3] CENG2220

Transport II
[3] CENG3220

Reactor and Reactor Engg.
[3] CENG3230

ChE Thermodynamics
[3] CENG2210

Chemical & Environmental Engineering Lab [4] CENG3950

Depth & Electives (12 credits)

Environmental Control [3] CENG4710


Lab (4 credits)

Chemical & Environmental Engineering Lab [4] CENG3950

Final Year Project (6 credits)

Research Option (6 credits)

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

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

*Students taking the Research Option must take CENG4930

Introduction to Comp [3-4] COMP1021 or COMP102Z or COMP2011 or COMP2012H

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Cohort Year 2023
(For Direct Entry students admitted to Year 2 in 2024)

Updated on: 29-June-2023