

CENG 1010 / BIEN 2990 / ENEG 2990

ACADEMIC & PROFESSIONAL DEVELOPMENT I

THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY, FALL 2025

COURSE SYLLABUS

INSTRUCTORS

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TEACHING ASSISTANT

To be confirmed

COURSE DESCRIPTION

CENG 1010 / BIEN 2990 / ENEG 2990 is designed to provide new students in the CBE department with an introduction to the department, including faculty, staff, alumni, senior undergraduate students, and postgraduate students. Through experience sharing, it also serves to encourage students to pursue and plan for a more holistic and fulfilling undergraduate experience, one that includes academic achievements as well as co-curricular experiences (e.g., exchange, internship, research, etc.).

EXPECTED LEARNING OUTCOMES

By the end of this course, students should be able to:

- Appreciate the versatility and breadth of an engineering education.
- Develop a sense of belonging to the department and the profession of chemical, biological and energy engineering.
- Recognize the need and benefit of out-of-classroom, co-curricular learning experiences.
- Formulate a personalized study plan that includes both academic courses and co-curricular activities

COURSE REQUIREMENTS

IN-CLASS ACTIVITIES

We meet every Friday, 12:00–1:20 pm, in Lecture Theater D OR G010 CYT Bldg, depending on the arrangement of the activities for that week. For specific sessions, the group may be further divided into separate rooms based on your major/interested major. Please keep an eye on the schedule in Canvas and on our announcements.

Learning activities in this course involve active classroom participation on your part. **To pass the course, you are required to attend ALL sessions in person on time** (we also count late arrival or early departure as absent), unless otherwise stated. Activities will include guest lectures, experience sharing, and workshops.

Excused absence: If you have good justifications for missing a session, please seek approval by emailing the TA (with documented proof) before the session, unless it is an unforeseen emergency, in which case the notification can come after the session.

PREPARING FOR CLASS

For some sessions, you will be given some reading materials or short videos to watch beforehand, with some quick assignments that you need to complete based on those materials. These are all conducted online in Canvas.

DREAM CV AND STUDY PLAN

To pass the course, you will prepare a one-page “dream CV” and a study plan, and submit them in Canvas. The exact details will be announced later.

FACULTY ADVISORS (MAYBE)

We will survey your broad academic interests during the course to form mentor groups and assign your academic mentor from the CBE department. This approach aims to help you to connect to your peers with similar interests going forward in your studies.

SOCIAL ACTIVITIES (OPTIONAL AND TO BE CONFIRMED)

Senior CBE students will organize fun (and subsidized!) social activities for you to join to get to know your classmates in a relaxed environment. These activities will be organized outside the regular class hours and are optional. You are strongly encouraged to join them to have fun and get to know your classmates better.

GRADING POLICY

The course is graded Pass/Fail. To pass the course, you must:

1. Attend **all** sessions **in person**, unless allowance for an excused absence is granted.
2. Complete all pre-class assignments.
3. Submit a dream CV and a study plan.
4. Follow academic integrity rules: <https://ugadmin.ust.hk/integrity/regulations-1.html>.

TENTATIVE COURSE SCHEDULE

This is subject to revision throughout the semester. Updated schedules will be announced and posted on the course website.

Year 1 students, 2025-2026 cohort

Date	Topic	Remark
5/9 (Separate)	Course overview + ice breaking + peer mentor introduction	
12/9 (Combine) (G010 CYT)	Meet the faculty (1)	
19/9 (Combine) (G010 CYT)	Meet your CBE classmates – activities and department tour	Activity intro & sign-up (TBC)
26/9 (Combine) (LT-D)	Overseas exchange sharing	
3/10 (Combine) (LT-D)	Alumni sharing	
10/10 (Combine) (LT-D)	Experiential learning	
17/10 (Combine) (LT-D)	Career service workshop	
24/10 (Combine) (LT-D)	Internship / co-op sharing	
31/10 (Combine) (LT-D)	Counselling – mental health and stress handling workshop	
7/11 (Separate)	Major specific talk – CENG	Students need to choose at least 2 major sessions to attend
14/11 (Separate)	Major specific talk – BIEN	Students need to choose at least 2 major sessions to attend
21/11 (Separate)	Major specific talk – EEEN	Students need to choose at least 2 major sessions to attend
28/11 (Separate)	Surprise!	Pizza!

Year 2 students, 2024–2025 cohort

Date	Topic	Remark
5/9 (Separate)	Course overview + ice breaking	
12/9 (Combine) (G010 CYT)	Meet the faculty (1)	
19/9 (Combine) (G010 CYT)	Meet your CBE classmates – activities and department tour	Activity intro & sign-up (TBC)
26/9 (Combine) (LT-D)	Overseas exchange sharing	
3/10 (Combine) (LT-D)	Alumni sharing	
10/10 (Combine) (LT-D)	Experiential learning (e.g., UROP, Chem E-car, food, USEL, etc.)	
17/10 (Combine) (LT-D)	Career service workshop	
24/10 (Combine) (LT-D)	Internship / co-op sharing	
31/10 (Combine) (LT-D)	Counselling – mental health and stress handling workshop	
7/11 (Separate)	Design your CBE Life (1)	
14/11 (Separate)	Design your CBE Life (2)	
21/11 (Separate)	Design your CBE Life (3)	
28/11 (Separate)	Surprise!	Pizza!