

# CSCI4001A: CO-OPERATIVE EDUCATION SCHEME FOR SCIENCE STUDENTS

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## Effective Term

Semester A 2025/26

## Part I Course Overview

### Course Title

Co-operative Education Scheme for Science Students

### Subject Code

CSCI - College of Science

### Course Number

4001A

### Academic Unit

College of Science (SI)

### College/School

College of Science (SI)

### Course Duration

Non-standard Duration

### Other Course Duration

8 – 12 months

### Credit Units

8

### Level

B1, B2, B3, B4 - Bachelor's Degree

### Medium of Instruction

Other Languages

### Other Languages for Medium of Instruction

Depending on host and host country: Chinese & English if host is in Hong Kong, Taiwan and Mainland. English if host is English speaking or in non-Chinese speaking countries

### Medium of Assessment

English

### Prerequisites

Nil

### Precursors

Nil

### Equivalent Courses

CSCI4001 Co-operative Education Scheme for Science Students

**Exclusive Courses**

FS4001 Co-operative Education Scheme (CES)

**Part II Course Details****Abstract**

This course aims to provide students with the opportunity to:

- (a) integrate the knowledge they acquired in classroom and apply it in real work setting;
- (b) appreciate work ethics and professionalism in real work environment;
- (c) appreciate team work, group / organizational behaviour in a work environment; and
- (d) develop an understanding of the operation of industry, based on which students can further plan their career.

It is conducted at the host company/institution whereby students are jointly supervised by the host mentor and the CityU supervisor.

**Course Intended Learning Outcomes (CILOs)**

|   | CILOs   | Weighting (if app.) | DEC-A1 | DEC-A2 | DEC-A3 |
|---|---|---------------------|--------|--------|--------|
| 1 | Recognize and practise the soft skills that are required at workplace                   |                     |        |        |        |
| 2 | Describe the setting of the industry and the operations of the host company/institution |                     |        |        |        |
| 3 | Recognize and practise the roles of professionals in the industry                       |                     |        |        |        |
| 4 | Apply and integrate the knowledge acquired in the classroom at workplace                |                     |        |        |        |
| 5 | Acquire the abilities for future career development                                     |                     |        |        |        |

**A1: Attitude**

Develop an attitude of discovery/innovation/creativity, as demonstrated by students possessing a strong sense of curiosity, asking questions actively, challenging assumptions or engaging in inquiry together with teachers.

**A2: Ability**

Develop the ability/skill needed to discover/innovate/create, as demonstrated by students possessing critical thinking skills to assess ideas, acquiring research skills, synthesizing knowledge across disciplines or applying academic knowledge to real-life problems.

**A3: Accomplishments**

Demonstrate accomplishment of discovery/innovation/creativity through producing /constructing creative works/new artefacts, effective solutions to real-life problems or new processes.

**Learning and Teaching Activities (LTAs)**

|   | LTAs | Brief Description   | CILO No.   | Hours/week (if applicable)    |
|---|------|---|------------|-------------------------------|
| 1 |      | Pre-attachment Training activities to prepare students for work | 1, 2, 3, 5 | 1 hour before training begins |

|   |  |   |               |   |
|---|--|---|---------------|---|
| 2 |  | Undertake an industry or research-based project at the host company/ institution and gain relevant experience through day-to-day work | 1, 2, 3, 4, 5 | No less than 320 hours                                |
| 3 |  | Interaction and communication with CSCI staff as well as general counselling.   | 1, 3          | On need basis throughout training period; 8-12 months |
| 4 |  | Keeping a training log  | 2, 4          | Throughout training period; 8-12 months               |
| 5 |  | Supervisory visits/ meetings to discuss and review the internship with students and mentors.  | 1, 2, 3, 4, 5 | 3-4 visits  |
| 6 |  | Giving a presentation that summarizes the learning during the industrial or research training.  | 1, 2, 3, 4, 5 | 20 mins in total                                      |

**Assessment Tasks / Activities (ATs)**

|   | ATs  | CILO No.      | Weighting (%) | Remarks ("- " for nil entry) | Allow Use of GenAI? |
|---|--|---------------|---------------|------------------------------|---------------------|
| 1 | Assessment of Log Book   | 2, 4          | 10            | -                            | Yes                 |
| 2 | Feedback from training company/ institution through discussion, visits, questionnaires, and visit/meeting reports of CityU supervisors | 1, 2, 3, 4, 5 | 60            | -                            | Yes                 |
| 3 | Final presentation   | 1, 2, 3, 4, 5 | 30            | -                            | Yes                 |

**Continuous Assessment (%)**

100

**Examination (%)**

0

**Assessment Rubrics (AR)****Assessment Task**

1. Log Book

**Criterion**

Ability to record precisely (a) the accomplished tasks and output if any, (b) the student' s observation and analysis and (c) the knowledge/skills acquired by the students during the period.

**Failure (F)**

Not meeting marginal standard

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**Assessment Task**

2. Final Presentation

**Criterion**

Ability to well-organize the content materials and communicate with the audience confidently through the presentation in an effective manner, supported with good eye contact, vocal expression, poise, appropriate pace and time management and to answer the questions asked as thoroughly and precisely as one can.

**Failure (F)**

Not meeting marginal standard

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**Assessment Task**

3. Day-to-day duty

**Criterion**

Ability to deliver one's assigned duties in an efficient and effective manner, at the same time demonstrating excellent (a) work attitude (b) problem solving abilities (c) critical and analytical skills and (d) communication and interpersonal skills

**Failure (F)**

Not meeting marginal standard

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## Part III Other Information

**Keyword Syllabus**

Nil

**Reading List**

**Compulsory Readings**

| Title |     |
|-------|-----|
| 1     | Nil |

**Additional Readings**

| Title |     |
|-------|-----|
| 1     | Nil |