

# CSCI4002: INDUSTRIAL ATTACHMENT SCHEME FOR SCIENCE STUDENTS

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## Effective Term

Semester A 2022/23

## Part I Course Overview

### Course Title

Industrial Attachment Scheme for Science Students

### Subject Code

CSCI - College of Science

### Course Number

4002

### Academic Unit

College of Science (SI)

### College/School

College of Science (SI)

### Course Duration

Non-standard Duration

### Other Course Duration

At least 9 – 13 weeks Full-time (approximately 40 hours/week) / 360 work hours Part-time in Semester A, Semester B or Summer Term

### Credit Units

3

### 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

- (1) All job specifications and requirements must be submitted to CSCI Office for prior approval.
- (2) Pre-attachment Training

### Precursors

Nil

**Equivalent Courses**

Nil

**Exclusive Courses**

FS4002 Industrial Attachment Scheme

**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 DEC-A1 DEC-A2 DEC-A3 app.)			
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				
3	Recognize and practise the roles of professionals in the industry				
4	Apply and integrate the knowledge acquired in the classroom at workplace				

**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.

**Teaching and Learning Activities (TLAs)**

TLAs	Brief Description	CILO No.	Hours/week (if applicable)
1	Pre-attachment Training activities to prepare students for work	1, 2, 3	1 hour of training
2	Undertake training in the form of a project or day-to-day work	1, 2, 3, 4	No less than 120 hours

3		Interaction and communication with CSCI staff as well as general counselling.	1, 3	On a need basis throughout training period
4		Keeping a training log	2, 4	Throughout training period
5		Supervisory visits to discuss and review the internship with students and mentors.	1, 2, 3, 4	1-3 visits, including online meeting when necessary
6		Giving a presentation that summarizes the learning during the industrial training.	1, 2, 3, 4	20 mins in total

**Assessment Tasks / Activities (ATs)**

ATs	CILO No.	Weighting (%)	Remarks (e.g. Parameter for GenAI use)
1	Assessment of Log Book	2, 4	10
2	Feedback from training company through discussion, visits, questionnaires, and visit reports of CityU supervisors	1, 2, 3, 4	60
3	Final presentation	1, 2, 3, 4	30

**Continuous Assessment (%)**

100

**Examination (%)**

0

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

1. Logbook

**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

**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