

# SDSC0004: INTERNSHIP

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## Effective Term

Semester A 2025/26

## Part I Course Overview

### Course Title

Internship

### Subject Code

SDSC - Data Science

### Course Number

0004

### Academic Unit

Data Science (DS)

### College/School

College of Computing (CC)

### Course Duration

Non-standard Duration

### Other Course Duration

At least 2 weeks Full-time / 75 work hours Part-time  
In Semester A or Semester B

### Credit Units

0

### Level

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

### Medium of Instruction

Other Languages

### Other Languages for Medium of Instruction

English and/or other languages dependent upon the prevailing language used in the placement/internship

### Medium of Assessment

English

### Prerequisites

The internship should be programme-related. Prior approval should be sought from the programme leader.

### Additional Information

Each student is only allowed to register once in their Year 4 study.

## Part II Course Details

### Abstract

This course aims to provide students with real life working experience in local and/or overseas industries, businesses, and organizations for a minimum of 2 weeks full-time (or 75 hours for part-time). Students are expected to gain practical and comprehensive understanding of data science tasks, business operations and professional environment by applying data science theories and skills that they have learned in the curriculum. Students will develop skills in effective communication in individual/team work, time management, the acquisition, analysis, visualization, and modeling of data, etc. The course will enhance the students' competitiveness in the job market.

### Course Intended Learning Outcomes (CILOs)

CILOs	Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1 Demonstrate effective communication with both industrial and academic supervisors by articulating internship tasks completed and ongoing learning experiences throughout the internship period.		x		
2 Apply data analytics theories and skills acquired from the curriculum effectively to solve real-world problems encountered during the internship.			x	
3 Critically assess personal strengths and weaknesses through reflective practice, identify developmental needs, and establish strategic goals for both short-term and long-term career development.				x

#### 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	Internship	<ul style="list-style-type: none"> <li>· Engage in a minimum of 2 weeks full-time or 75 hours part-time internship in an approved organization locally or internationally.</li> <li>· Obtain pre-approval from an internship coordinator who will act as the academic supervisor.</li> <li>· Secure the internship independently or with assistance from the SDSC or CityU' s Career and Leadership Centre.</li> <li>· Submit an internship report detailing the tasks undertaken and skills applied, due at the end of the internship.</li> </ul>	1, 2, 3	

#### Assessment Tasks / Activities (ATs)

ATs	CILO No.	Weighting (%)	Remarks ("- for nil entry)	Allow Use of GenAI?	
1	Internship reflective report (500 words)	1, 2, 3	100	-	No
2	Evaluation report by the industrial supervisor	1, 2	0	-	No

#### Continuous Assessment (%)

100

#### Additional Information for ATs

Internship reflective report (500 words)

This paper (about 500 words) requires student interns to reflect upon their major learning and personal gain at the internship placement. They may describe or evaluate a significant experience or achievement that has special meaning for them, describe how they have grown and developed over the period, or write about a teammate or work colleague who has had special influence on them and describe that influence.

Evaluation report by the industrial supervisor

Evaluation by workplace supervisor should be given to the intern throughout the period accumulating in a formal evaluation form with quantitative and qualitative comments from the supervisor.

#### Assessment Rubrics (AR)

##### Assessment Task

Internship reflective report (500 words)

##### Criterion

- Ability to identify and address the data science problems with the theories and skills learned in the curriculum.

- Ability to identify and meet the practical challenges that arise from real world problems.

**Pass (P)**

Basic or above basic level

**Failure (F)**

Not reaching basic level

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**Assessment Task**

Evaluation by the industrial supervisor

**Criterion**

- Capacity for good working attitude and teamwork in internship.

**Pass (P)**

Basic or above basic level

**Failure (F)**

Not reaching basic level

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## **Part III Other Information**

**Keyword Syllabus**

Internship, real world applications, data science practice, career planning, effective communication.

**Reading List**