

**Work Attachment Learning Objectives
for Finance Programme**
(effective for students matriculated from year 2019 onwards)

1. Introduction

Work Attachment (WA) is an experiential learning opportunity for students to enhance their employment readiness and employability through a supervised work placement with a Host Organisation (HO) in Singapore or overseas.

Students are encouraged to take on WA opportunities relevant to their study disciplines or alternative pathways to gain valuable real-life work experiences and build up their interdisciplinary skills and competencies. SUSS students may refer to the WA Guidelines in the Kinobi@SUSS.

Students may be assigned multidisciplinary tasks and cross-functional projects. Where appropriate, students may seek the approval from Head of CDO for any reasonable departure from their WA approved job functions.

2. Learning Outcomes

Students are encouraged to take on work assignments that build on their programme-based knowledge and skills and competencies from the SkillsFuture Framework ([SSG | Skills Framework \(skillsfuture.gov.sg\)](https://www.skillsfuture.gov.sg)).

(A) Programme-Specific Learning Outcomes

The Finance Programme Educational Objectives (PEO) are as follows:

- PEO1:** Be able to apply knowledge and skills from his/her business discipline to manage and to solve problems. Discipline focused; rather than tech + general skills focused.
- PEO2:** Be independent and life-long learners and keep abreast of progress in their profession.
- PEO3:** Be able to handle group dynamics, communicate proficiently, and manage competing demands (e.g., work, family and study). Emphasize individual capability only, but nothing on team collaborations.
- PEO4:** Be ethical and practice professional integrity in their work and in society.

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Students are expected to carry out their WA in functional areas directly relevant to their enrolled field of study. For Finance students, the functional areas are:

- i. Data Technologies for Financial Modelling
- ii. Game Theory and Design Thinking
- iii. Financial Markets
- iv. Decision Making for Financial Managers
- v. Mathematics and Programming for FinTech
- vi. Machine Learning and AI for FinTech
- vii. Impact Investing and Green Finance
- viii. Equity Securities
- ix. Fixed Income and Derivative Securities
- x. Personal Financial Planning (excluding Personal Insurance)
- xi. Risk Management for Finance and Technology
- xii. Financial Technologies and Innovations
- xiii. Blockchain Technology and Smart Contract for Finance
- xiv. Financial Cryptography
- xv. Computational Law in Token Economy
- xvi. Financial Management in the Digital Economy

Technical learning outcomes which aim at enhancing students' general work quality, attitude and work-related behaviours include:

- i. Describe the role of finance within the operations of an organisation.
- ii. Explain how financial markets work and the role of institutions and instruments in them.
- iii. Analyse investment and financing activities.
- iv. Distinguish the strengths and weaknesses of an organisation through the analysis of financial statements.
- v. Assess the financial risk of a corporation and to hedge the risk with derivative securities.
- vi. Appraise a company in order to arrive at its value.
- vii. Solve problems through mathematical modelling or computer implementation.
- viii. Formulate financial plans.
- ix. Organise and handle financial data efficiently with current technological tools.
- x. Discuss coherently and communicate effectively on financial concepts and information.
- xi. Relate financial decisions with ethical, social or environmental consequences.
- xii. Argue logically from an understanding of financial information.

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- xiii. Distinguish virtual assets and institutions as enabled by blockchain technology and trust from conventional assets and institutions.
- xiv. Develop interpersonal relationships and manage situations well in teams.
- xv. Use appropriate software and IT applications for problem-solving.
- xvi. Demonstrate professional competence through positive lifelong learning habits

Please refer to the Skills Framework ([SSG | Skills Framework \(skillsfuture.gov.sg\)](https://skillsfuture.gov.sg)) for an overview of the relevant occupation/job role description, skills requirement, and career pathways.

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(B) Generic Learning Outcomes

The generic learning outcomes are aligned to the SkillsFuture Framework’s critical core skills (CCS): [SSG | Critical Core Skills \(skillsfuture.gov.sg\)](#).

Students are strongly encouraged to develop these CCS (16 competencies; grouped into 3 clusters) that are most relevant to their specific roles during WA. The CCS are transferable and they serve to enhance students’ employability.

Critical Core Skills (CCS)

