

**Work Attachment Learning Objectives**  
**For the Information and Communication Technology Programme**  
*(effective for students matriculated from year 2023 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 WA opportunities relevant to their study disciplines or alternative pathways to gain valuable real-life work experiences and build their interdisciplinary skills and competencies. SUSS students may refer to the WA Guidelines in the [SUSS Career Portal](#).

Students may be assigned multidisciplinary tasks and cross-functional projects. Where appropriate, students may seek approval from the Head of CD 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 \(skillsfuture.gov.sg\)](#)).

### (A) Programme-Specific Learning Outcomes

Since Information and Communication Technology (ICT) acts as a key enabler of digital transformation for many other industry sectors, ICT students can gain WA experience within the ICT sector and beyond. The functional areas may include the following but are not limited to:

- Software and Applications
- Cloud Computing and Infrastructure
- Cyber Security
- Data Analytics and Artificial Intelligence
- IT Operations and Support

The following learning outcomes aim to allow students to observe and apply broad-based ICT skills and concepts in real work-related contexts.

- 1) Understand computing technologies with the capability to identify computing requirements and apply computational approaches to solve complex problems in organisations.
- 2) Possess the necessary skills to design, implement, and evaluate IT solutions to meet the identified computing requirements.
- 3) Able to analyse user needs and select, integrate, and administer computer-based systems accordingly.
- 4) Possess the necessary skills in managing information systems and IT projects to enhance business

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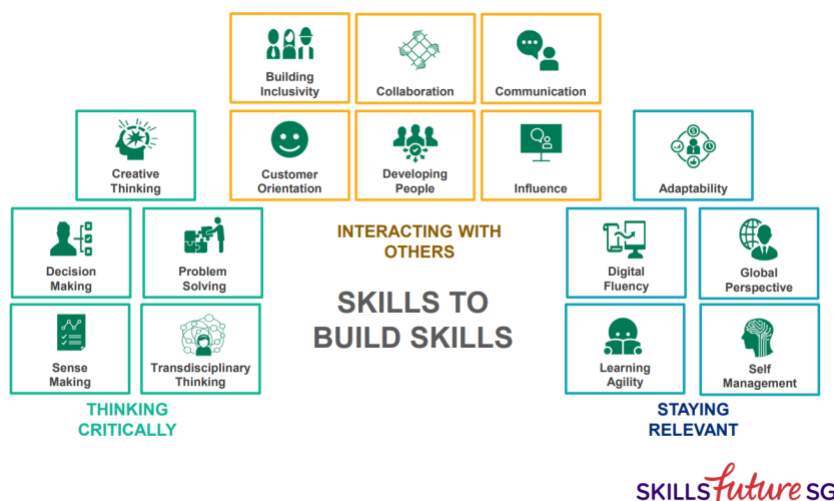
- processes for organisations.
- 5) Able to communicate technical information effectively with diverse audiences and function effectively in multidisciplinary teams.
  - 6) Produce a final report that covers personal learning and insights gleaned from key tasks' performance and related challenges during WA.

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.

**(B) Generic Learning Outcomes**

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



Source: image downloaded from [the 'CCS Reference Documents' section on SSG | Critical Core Skills \(skillsfuture.gov.sg\)](https://skillsfuture.gov.sg).

Particular emphasis will be placed on:

- **Mindset and Attitude:** The student is able to commit and embrace his/her responsibilities and assigned projects with positivity, self-initiative, and curiosity.

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- **Experiential Learning:** Through journaling and reflection, the student is able to apply knowledge and competencies acquired effectively to the execution of work projects, processes, and responsibilities.
- **Critical Thinking Competencies:** The student is able to apply transdisciplinary thought process sensibly towards creative problem solving and decision making during their learning journey.
- **Interpersonal Competencies:** The student is able to inclusively collaborate, influence, and communicate within the diversity of their assigned teams to achieve optimal client satisfaction as well as collegial development amongst team members.
- **Staying Relevant:** The student is empowered with self-management skills and learning agility to embrace global perspectives and digital literacy to remain relevant despite rapidly changing industry landscapes.