Bachelor of Information and Communication Technology – Software Technology
BA-ICT

Semester 1 | 2026

Recommended Sequence

Units are listed on your Course Planner in a recommended sequence. However, this can be amended depending on unit availability, unit progression, timetabling and the semester in which you commenced your course.

Year One

Semester 1	Feb/Mar 2026	
Unit Code	Unit Name	Pre-requisites
COS10009	Introduction to Programming	Nil
ICT10022	ICT Inquiry Project	Nil
COS10025	Technology in an Indigenous Context Project	Nil
COS10003	Computer and Logic Essentials*	Nil
MPU3272	Integrity and Anti-Corruption (Malaysian and International Students)	Nil
**Winter Term	Jun 2026**		
MPU3212	Bahasa Kebangsaan A (Malaysian students who do not have SPM Bahasa Melayu credit)	Nil
**Semester 2	Aug/Sep 2026**		
COS10005	Web Development	Nil
TNE10005	Network Administration	Nil
COS20007	Object-oriented Programming	COS10009
COS10022	Data Science Principles&	Nil
MPU3192	Philosophy and Current Issues (Malaysian and International Students)	Nil

Year Two

Semester 1	Feb/Mar 2027	
Unit Code	Unit Name	Pre-requisites
COS20015	Fundamentals of Data Management	COS10009 / SWE20004
COS20019	Cloud Computing Architecture	50cp
ICT20025	User Experience Design Project	Nil
INF10024	Business Digitalisation&	Nil
MPU3412	Service Learning	Nil
**Semester 2	Aug/Sep 2027**		
COS30015	IT Security*	COS10009 & COS10005 & TNE10005
COS30020	Advanced Web Development	COS10009 & COS10005
COS30045	Data Visualisation	COS10009
ICT30016	ICT Innovation Project	Nil
MPU3182	Penghayatan Etika dan Peradaban (Malaysian Students Only)	Nil
MPU3142	Malay Language Communication 2 (International Students Only)	Nil
**Summer Term	Jan/Feb 2028**		
ICT20016	Work Integrated Learning Placement Unit	Completed at least 12 units

Year Three

Semester 1	Feb/Mar 2028	
Unit Code	Unit Name	Pre-requisites
ICT30017	ICT Project A	125cp
COS30043	Interface Design and Development	(COS10011 / COS10005 / COS10026 / ENG20009) & (COS20007 / SWE20004)
SWE30011	IoT Programming&	COS20007 & (COS10026 OR COS10005)
**Semester 2	Aug/Sept 2028**		
ICT30018	ICT Project B	ICT30017
COS30017	Software Development for Mobile Devices	(COS20007 / COS20011 / COS30014)
COS30019	Introduction to Artificial Intelligence&	COS20007

How to use your Course Planner

Refer to the below table to help explain what units are required each semester throughout your course. The units in your planner are colour-coded to assist you with mapping out your studies.

Course Information

This course has 24 units (300 credit points) consisting of

8 Core Units
100 credit points
A set of compulsory units you MUST complete as part of your Course.

8 Software Technology Major Units
100 credit points
A set of compulsory units you MUST complete as part of your Course.

6 Elective Units
75 credit points
A combination of elective units / second-major / Minor

1 WIL Placement Units
25 credit points
An industry placement in a professional organization, corporation, or an institution.

General Studies/MPU
0 credit points
* Compulsory units to complete as a pre-requisite to graduate (see statement below)
* Advisable to enroll in Year One
* Email ltu@swinburne.edu.my for queries

Work-Integrated Learning Placement (3 month) – Offer in Winter/Summer Term
25 credit points
* Students need to complete at least 12 units to enroll in WIL placement
* WIL placement must be completed before the final semester
* Email ltu@swinburne.edu.my for queries

All commencing students of Master, Degree, Diploma and Foundation programs will be automatically registered for the **Academic Integrity Training Module** in the first semester (Note: Students articulating from Foundation Studies are expected to undertake this unit as a refresher). There are 4 topics in this online module that are recommended for completion during Week 1-4 of your commencing study period. At the end of this module, students are required to complete a quiz comprised of 10 questions and achieve a score of at least 90%.

Ministry of Education requires that all NEW Cohorts pursuing Degree program (International and Malaysian) students must take the MPU units as a prerequisite for the award of their degree.

- Malaysian students: Must take and pass the units as a prerequisite for the award of their degree.

- International students: Must attempt all coursework and final exam as a prerequisite for the award of their degree

Notes

* Compulsory Pre-scribed Elective
& Elective units (can be Customised)