COURSE PLANNER

SWINBURNE UNIVERSITY OF TECHNOLOGY

Bachelor of Information and Communication Technology – Software Technology

Intake: Sept 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

Unit Code	Unit Name	Pre-requisites
Semester 1 | Sept 2026		
COS10009	Introduction to Programming	Nil
ICT10022	ICT Inquiry Project	Nil
COS10025	Technology in an Indigenous Context Project	Nil
COS10003	Computer and Logic Essentials*	Nil
MPU3312	Academic Integrity and Professional Conduct	Nil
Summer Term | June 2027		
MPU3212	Bahasa Kebangsaan A (*Malaysian students who do not have SPM Bahasa Melayu credit*)	Nil
Semester 2 | Feb/Mar 2027		
COS10005	Web Development	Nil
TNE10005	Network Administration	Nil
COS20007	Object-Oriented Programming	COS10009
COS10022	Data Science Principles&	Nil
MPU3172	Aspirasi Negara Bangsa – BM *(Malaysian Students Only)*	Nil
OR	OR	
MPU3142	Malay Language Communication 2 *(International Students Only)*	Nil

Year Two

Unit Code	Unit Name	Pre-requisites
Semester 3 | Aug/Sept 2027		
COS30015	IT Security*	(COS10009/COS30043) & COS10005 & (TNE10005/TNE10006)
COS30020	Advanced Web Development	COS10009 & (COS10011/COS10005/COS10026)
COS30045	Data Visualisation	COS10009
ICT30016	ICT Innovation Project	Nil
MPU3222	Career Development	Nil
Semester 4 | Feb/Mar 2028		
COS20015	Fundamentals of Data Management	COS10009 / SWE20004
COS20019	Cloud Computing Architecture	50 CP
ICT20025	User Experience Design Project	Nil
STA10003	Foundations of Statistics&	Nil
MPU3112	Kursus Integriti dan Antirasuah (KIAR)	Nil
Winter Term | Jun 2028		
ICT20016	Work Integrated Learning Placement Unit	Completed at least 12 units

Year Three

Unit Code	Unit Name	Pre-requisites
Semester 5 | Aug/Sept 2028		
ICT30017	ICT Project A	125 CP
COS30017	Software Development for Mobile Devices	COS20007
COS30019	Introduction to Artificial Intelligence&	COS20007
MPU3122	Falsafah dan Cabaran Semasa – BM *(Malaysian Students Only)*	Nil
OR	OR	
MPU3152	Citra Malaysia *(International Students Only)*	Nil
Semester 6 | Feb/Mar 2029		
ICT30018	ICT Project B	ICT30017
COS30043	Interface Design and Development	(COS10011/COS10005/COS10026/ ENG20009) & (COS20007/SWE20004)
SWE30011	IoT Programming&	COS20007 & (COS10026/COS10005)
MPU3412	Service Learning	Nil

Notes

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

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

To qualify for the award of this course, students must complete 24 units (300 credit points) comprising 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, or a Minor.

1 WIL Placement Unit
25 credit point

* A compulsory unit.
* Students need to complete at least 12 units (including current semester) if they want to enrol in WIL placement
* WIL placement can be taken in Year Three
* Email wil-pu@swinburne.edu.my for queries

7 General Studies / Mata Pelajaran Umum
0 credit points

* Compulsory units to complete as a prerequisite to graduate (see statement below)
* Advisable to enrol in Year One
* Email mpu@swinburne.edu.my for queries

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.