



# Bachelor of Computer Science – Cybersecurity

## BA-CS

Intake: Aug/Sept 2025

### 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 program.

### 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.

## Year One

Semester 1   Aug/Sept 2025		
Unit Code	Unit Name	Pre-requisites
COS10009	Introduction to Programming	Nil
COS10026	Web Technology Project	Nil (Anti-req: COS10011)
COS10025	Technology in an Indigenous Context Project	Nil
COS10003	Computer and Logic Essentials	Nil
MPU3272	Integrity and Anti-Corruption (Malaysian and International Students)	Nil
Semester 2   Feb/Mar 2026		
COS20007	Object-oriented Programming	COS10009
TNE10006	Networks and Switching	Nil
TNE20003	Internet and Cybersecurity for Engineering Applications	COS10009
INF10024	Business Digitalisation	Nil
MPU3192	Philosophy and Current Issues (Malaysian and International Students)	Nil
Winter Term   Jan 2025		
MPU3212	Bahasa Kebangsaan A (Malaysian students who do not have SPM Bahasa Melayu credit)	Nil

### 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 Cybersecurity 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

**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 [itu@swinburne.edu.my](mailto:itu@swinburne.edu.my) for queries

**Work-Integrated Learning Placement (3 month) – Offer in Winter/Summer Term**  
\* ICT20016 Completing Work-Integrated Learning Internship (25 credit points).  
\* Students must complete at least 12 units  
\* WIL placement can be taken in Year 3 (before your final semester)

## Year Two

Semester 1   Aug/Sept 2026		
Unit Code	Unit Name	Pre-requisites
COS20030	Malware Analysis	TNE10006
COS20031	Database Design Project	COS10009 / COS10026
COS30015	IT Security	COS10009 & COS10026 & TNE10006
COS30019	Introduction to Artificial Intelligence	COS20007
MPU3182	Penghayatan Etika dan Peradaban (Malaysian Students Only)	Nil
MPU3142	Malay Language Communication 2 (International Students Only)	Nil
Semester 2   Feb/Mar 2027		
COS10004	Computer Systems	Co-req: COS10009
COS30049	Computing Technology Innovation Project	COS10009 / COS10026
COS20019	Cloud Computing Architecture	50cp
COS10022	Data Science Principles	Nil
MPU3412	Service Learning	Nil
Winter Term   Jun/Jul 2027		
ICT20016	- Completing Work-Integrated Learning Internship (equivalent to 2 elective units) - Students need to complete at least 12 units to enroll - WIL internship placement can be taken in Year Three	

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%.

## Year Three

Semester 1   Aug/Sept 2027		
Unit Code	Unit Name	Pre-requisites
COS40005	Computing Technology Project A	175cp
TNE30009	Network Security and Resilience	TNE10006
SWE30003	Software Architecture and Design	COS20007 & 150cp
Semester 2   Feb/Mar 2028		
COS40006	Computing Technology Project B	COS40005
MGT10010	Ethics of Innovation	Nil
COS30047	Security Operations Centre	TNE30009

Ministry of Education requires all the students pursuing Degree program (International and Malaysian) to complete 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