

Bachelor of Computer Science – Artificial Intelligence

BA-CS

Intake: Feb/Mar 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
COS10026	Web Technology 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 | June 2026

MPU3212	Bahasa Kebangsaan A (Malaysian students who do not have SPM Bahasa Melayu credit)	Nil
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Semester 2 | Aug/Sept 2026

COS20007	Object-oriented Programming	COS10009
TNE10006	Networks & Switching	Nil
COS10022	Data Science Principles	Nil
INF10024	Business Digitalisation	Nil
MPU3192	Philosophy and Current Issues (Malaysian and International Students)	Nil

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 Artificial Intelligence 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 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 | Feb/Mar 2027

Unit Code	Unit Name	Pre-requisites
COS10004	Computer Systems	Co-req: COS10009
COS30018	Intelligent Systems	COS20007
COS20031	Database Design Project	COS10009 / COS10026
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 | Aug/Sept 2027

SWE30003	Software Architecture and Design	COS20007 & 150cp
COS30049	Computing Technology Innovation Project	COS10009 / COS10026
COS30082	Applied Machine Learning	COS30018 / COS30019
COS30008	Data Structure and Patterns	COS20007
MPU3412	Service Learning	Nil

Summer Term | Jan 2028

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	
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Year Three

Semester 1 | Feb/Mar 2028

Unit Code	Unit Name	Pre-requisites
COS40005	Computing Technology Project A	175cp
COS20019	Cloud Computing Architecture	50cp
COS40007	Artificial Intelligence for Engineering	COS10009 & 100CP

Semester 2 | Aug/Sept 2028

COS40006	Computing Technology Project B	COS40005
MGT10010	Ethics of Innovation	Nil
COS30015	IT Security	COS10009 & COS10026 & TNE10006

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

* Pre-scribed Elective