COURSE PLANNER



Bachelor of Engineering (Honours) (Civil) / Bachelor of Business (Finance)

BB-ECVBUS3

Semester 1 | 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 course.

Year One

Semester 1 Feb/Mar 2025			
Unit Name	Pre-requisites		
Humanitarian Engineering Design Project	Nil		
Introduction to Programming	Nil		
Calculus and Applications	Nil		
Engineering Mechanics	Nil		
Integrity and Anti-Corruption (Malaysian and International Students)	Nil		
Winter Term July 2025			
Bahasa Kebangsaan A			
(Malaysian students who do not have SPM	Nil		
Bahasa Melayu credit)			
Semester 2 Aug/Sept 2025			
Engineering Materials	Nil		
Energy and Motion	Nil		
Linear Algebra and Applications	Nil		
Technology in an Indigenous Context Project	Nil		
Philosophy and Current Issues (Malaysian and International Students)	Nil		
	Unit Name Humanitarian Engineering Design Project Introduction to Programming Calculus and Applications Engineering Mechanics Integrity and Anti-Corruption (Malaysian and International Students) Ity 2025 Bahasa Kebangsaan A (Malaysian students who do not have SPM Bahasa Melayu credit) g/Sept 2025 Engineering Materials Energy and Motion Linear Algebra and Applications Technology in an Indigenous Context Project Philosophy and Current Issues		

Year Two

Semester 3	Feb/Mar 2026			
Unit Code	Unit Name	Pre-requisites		
CVE20001	Topographical Engineering	MTH10012		
MEE20004	Structural Mechanics	ENG10003		
MTH20010	Statistics and Computation for Engineering	MTH10012 & MTH10013		
MKT10009	Marketing and the Consumer Experience	Nil		
MPU3183	Penghayatan Etika dan Peradaban (Malaysian Students Only)	Nil		
MPU3143	Malay Language Communication 2 (International Students Only)	Nil		
Semester 4 Aug/Sept 2026				
MEE20003	Fluid Mechanics 1: Forces and Energy	MTH10012 & MTH10013		
CVE20003	Design of Concrete Structures	MEE20004		
CVE20005	Road Engineering	CVE20001		
CVE20015	Digital Engineering Project	Concurrent CVE10002, ENG10003		
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Year Three

Semester 5 Feb/Mar 2027		
Unit Code	Unit Name	Pre-requisites
CVE30001 [†]	Urban Water Resources	MEE20003
CVE30002 [†]	Design of Steel Structures	MEE20004
CVE30003 [†]	Transport Engineering	CVE20005
ACC10007	Financial Information for Decision Making	Nil
EAT20008#	Professional Experience in Engineering	Introductory Seminar
Semester 6 Aug/Sept 2027		
CVE20004	Geomechanics	ENG10003
MME30002 [†]	Engineering Management Project	100 CPS
ECO10005	Economics for Business Decision Making	Nil
INF10024	Business Digitalisation	Nil

Year Four

Semester 9 | Feb/Mar 2029

Unit Name

Final Year Capstone Project 1

Structural Design of Low Rise Buildings

Semester 7	Feb/Mar 2028	
Unit Code	Unit Name	Pre-requisites
CVE40001* [†]	Geotechnical Engineering	CVE20004
FIN10002	Financial Statistics	Nil
FIN20016	Ethics of International Finance	ECO10005
BUS10014	Business for Sustainability, Social Change and	Nil
	Impact	
Semester 8 Aug/Sept 2028		
CVE30005 [†]	Cost Engineering Project	175 CPS
CVE40011 [†]	Engineering Data Analytics and Applications	CVE20015 or CVE20002
CVE40010* [†]	Water Engineering Design Project	CVE30001
FIN20014	Financial Management	ACC10007 + 75 credit points
Year Five		

Pre-requisites

CVE20003 & CVE30002

350 CPS & 4 core Business units

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

Each unit is equivalent to 12.5 credit points.

To qualify for the award of this course, students must complete 32 units (400 credit points), EAT20008 and the General Studies/Mata Pelajaran Umum, comprising of:

10 Core Units

125 credit points

A set of compulsory units you MUST complete as part of your Course.

18 Civil Major Units

225 credit points

A set of compulsory units you MUST complete as part of your Course.

4 Business Core Units 50 credit points

A set of compulsory units you MUST complete as part of your Course.

8 Finance Units

100 credit points

A set of compulsory units you MUST complete as part of your Course.

1 Industry Placement Unit

0 credit point EAT20008[#] is a COMPULSORY, noncredit unit.

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 <u>ltu@swinburne.edu.my</u> 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%.

	FIN50014	Filianciai Risk Management	FINZUU14	
	FIN30020	Alternative Investments	FIN10002 + FIN20014	
Semester 10 Aug/Sept 2029				
	ENG40004* [†]	Final Year Research Project 2 (ENG/BUS)	ENG40003	
	CVE40006* [†]	Infrastructure Design Project	CVE20003 & CVE30002	
	FIN30016	Management of Investment Portfolios	FIN10002 + FIN20014	
	FIN30021	Fixed Income and Debt Markets	FIN10002 + FIN20014	
		0		

Notes

Unit Code

ENG40003*

CVF40002*

- # EAT20008 Professional Experience in Engineering is compulsory for all engineering students and must be taken before the last semester of study as part of EAC's requirement. The introductory Seminar will be conducted in week 4 of the normal semester.
- * 6 Outcome units completion demonstrates the attainment of course learning outcomes
- ^{*t*} 12 Honours merit units the results are used in the honours merit calculation

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 take and pass the units as a prerequisite for the award of their degree