COURSE PLANNER

Bachelor of Engineering (Honours) (Civil)

BH-ECV

Semester 1 | 2022

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 2022	
Unit Code	Unit Name	Pre-requisites
MTH10012	Calculus and Applications	Nil
ENG10001	Engineering, Design and Innovation	Nil
ENG10002	Engineering Materials	Nil
PHY10001	Energy and Motion	Nil
**Semester 2	Aug/Sept 2022**	
ENG10003	Mechanics of Structures	Nil
ENG10004	Digital and Data Systems	Nil
PHY10004	Electronics and Electromagnetism	Nil
MTH10013	Linear Algebra and Applications	Nil

Year Two

Semester 3	Feb/Mar 2023	
Unit Code	Unit Name	Pre-requisites
CVE20001	Topographical Engineering	MTH10012 & CVE20002
CVE20002	Computer Aided Engineering Civil	CVE10002 / ENG10001
MEE20004	Structural Mechanics	CVE10004 / ENG10003
MTH20010	Mathematic 3A	MTH10012 & MTH10013
**Semester 4	Aug/Sept 2023**	
MEE20003	Fluid Mechanics	MTH10012 & MTH10013
CVE20003	Design of Concrete Structures	MEE20004
CVE20005	Road Engineering	CVE20001
MME30001@	Engineering Management 1	100 credit points

Year Three

Semester 5	Feb/Mar 2024	
Unit Code	Unit Name	Pre-requisites
CVE20004	Geomechanics	CVE10004 / ENG10003
CVE30001@	Urban Water Resources	MEE20003 & CVE20002
CVE30002@	Design of Steel Structures	MEE20004
CVE30003@	Transport Engineering	CVE20005
EAT20008#	Professional Experience in Engineering	Introductory Seminar
**Semester 6	Aug/Sept 2024**	
CVE30004@	Cost Engineering	175 credit points
CVE40001@	Geotechnical Engineering	CVE20004
CVE40004@	Water Engineering	CVE30001
MME40001@	Engineering Management 2	100 credit points

Year Four

Semester 7	Feb/Mar 2025	
Unit Code	Unit Name	Pre-requisites
ENG40001@	Final Year Research Project 1	287.5 credit points
CVE40002@	Structural Design of Low Rise Buildings	CVE20003 & CVE30002
SWE20004&	Technical Software Development	ENG10004
CVE80019	Structural Dynamics and Earthquake Engineering	ENG10003 & CVE20003
Winter Term 2025	
CSM80051&	Building Information Modelling for Construction Management	250 credit points
**Semester 8	Aug/Sept 2025**	
ENG40002@	Final Year Research Project 2	ENG40001
COS10022&	Introduction to Data Science	Nil
CVE40006@	Infrastructure Design Project	CVE20003 & CVE30002

Notes

\# 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. Introductory Seminar will be conducted in week 4 of normal semester.

@ Honours merit units.

& Recommended Elective units [Industry 4.0]. You may choose other approved elective units from the published elective list for Civil. Enrolment in the selected elective units are subject to:
- Discipline Leader Approval
- No timetable clash between selected elective units and core / major units
- Seat availability in the selected electives
- Selected elective units are offered in the current semester

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 33 units (400 credit points) comprising of:

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

16 Civil Major Units
200 credit points
A set of compulsory units you MUST complete as part of your Course.

4 Recommended Elective Units
50 credit points
A combination of elective units, or a Minor.

1 Industry Placement Unit
0 credit point
A compulsory, not-for-credit unit.

All commencing students of Master, Degree, Diploma and Foundation courses 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 course (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.