

# 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
ENG10001	Humanitarian Engineering Design Project	Nil
COS10009	Introduction to Programming	Nil
MTH10012	Calculus and Applications	Nil
PHY10001	Energy and Motion	Nil
Semester 2   Aug/Sept 2022		
ENG10002	Engineering Materials	Nil
ENG10003	Engineering Mechanics	Nil
MTH10013	Linear Algebra and Applications	Nil
COS10025	Technology in an Indigenous Context Project	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 1	MTH10012 & MTH10013
CVE20003	Design of Concrete Structures	MEE20004
CVE20005	Road Engineering	CVE20001
MME30001†	Engineering Management 1	100 CPS

### Year Three

Semester 5   Feb/Mar 2024		
Unit Code	Unit Name	Pre-requisites
CVE20004	Geomechanics	ENG10003
CVE30001†	Urban Water Resources	MEE20003
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 CPS
CVE40001*†	Geotechnical Engineering	CVE20004
CVE4004**	Water Engineering	CVE30001
MME40001†	Engineering Management 2	100 CPS

### Year Four

Semester 7   Feb/Mar 2025		
Unit Code	Unit Name	Pre-requisites
ENG40001**	Final Year Research Project 1	287.5 CPS
CVE40002**	Structural Design of Low Rise Buildings	CVE20003 & CVE30002
Elective code**	Approved Elective 1	Unit dependent
Elective code**	Approved Elective 2	Unit dependent
Semester 8   Aug/Sept 2025		
ENG40002**	Final Year Research Project 2	ENG40001
CVE40006**	Infrastructure Design Project	CVE20003 & CVE30002
Elective code**	Approved Elective 3	Unit dependent
Elective code**	Approved Elective 4	Unit dependent

### 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. The introductory Seminar will be conducted in week 4 of the normal semester.
- \* 6 Outcome units – completion demonstrates the attainment of course learning outcomes
- † 12 Honours merit units – the results are used in the honours merit calculation
- \*\* 4 Elective units (including IR 4.0 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) 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 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 take and pass the units as a prerequisite for the award of their degree