# COURSE PLANNER

**BH-ECV Bachelor of Engineering (Honours) (Civil)**
**SK401 Bachelor of Engineering (Honours) (Chemical)**
**BH-EEE Bachelor of Engineering (Honours) (Electrical and Electronic)**
**BH-EME Bachelor of Engineering (Honours) (Mechanical)**
**BH-ERM - Bachelor of Engineering (Honours) (Robotics & Mechatronics)**
Summer | 2022

Recommended Year 1 Study Sequence

### 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

| Unit Code | Unit Name | Pre-requisites |
|---|---|---|
| **Summer | Jan 2022** | | |
| ENG10003 | Mechanics of Structures | Nil |
| MTH10012 | Calculus and Applications | Nil |
| **Semester 1 | Feb/Mar 2022** | | |
| ENG10004 | Digital and Data Systems | Nil |
| PHY10004 | Electronics and Electromagnetism | Nil |
| MTH10013 | Linear Algebra and Applications | Nil |
| **Semester 2 | Aug/Sept 2022** | | |
| ENG10001 | Engineering, Design and Innovation | Nil |
| ENG10002 | Engineering Materials | Nil |
| PHY10001 | Energy and Motion | Nil |

**Please refer to Semester 1, 2022 planner on related program for Year Two, Year Three, and Year Four units on Swinburne website (Will be available in February 2022).**

### 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 Electrical and Electronic 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 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%.

### 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 Electrical and Electronic. 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

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.