Engineering Re-enrolment Guide 2022
Re-enrolment period: 11 October – 26 November 2021
Re-enrolment WES

July and October 2018 Intake

The normal units for each of the branches of engineering are as follows.

Chemical Engineering

1) **Semester 1 2022 units**

CHE3167	Transport phenomena and numerical methods
ENG4701	Final Year Project B
CHE4173	Sustainable Processing 2
CHE4162	Particle Technology

Civil Engineering

1) Semester 1 2022 units

CIV4211	Project B
CIV4286	Project management for civil engineers

Select 2 electives

CIV4234	Advanced structural analysis
CIV4261	Integrated urban water management
CIV4284	Traffic systems

Electrical and Computer Systems Engineering

1) Semester 1 2022 units

Core units

ECE4095	Project B
ECE4099	Professional practice

Plus select two of the following electives

ECE4075	Real time embedded systems
ECE4076	Computer vision
ECE4032	Advanced Control
ECE4179	Neural networks and deep learning
TRC3500	Sensors and artificial perception

read important note at the bottom of the page

Mechanical Engineering

1) Semester 1 2022 units

ENG4702	Final year project B
MEC4404	Professional practice
MEC4408	Thermodynamics and Heat transfer*

Select 1 elective below**

MEC4417	Refrigeration and air conditioning
MEC4801	Non-destructive testing and inspection
MEC4802	Sustainable engineering and design with nanomaterials
MEC4803	Internal combustion engines
MEC5885	Energy efficiency and sustainability engineering**

* to select 2 electives if MEC4408 already done in Level 3
** to enroll into these units, students need to get a WAM > 65% from their studies in Levels 1-3

Mechatronics Engineering

Semester 1 2022 units

TRC4001	Mechatronics final year project II
ECE4099	Professional practice
ECE3141	Information and networks

Plus 1 of the electives below *

ECE4032	Advanced control
TRC4200	Engineering cyber-physical systems
ECE4179	Neural networks and deep learning
ECE4076	Computer vision

* please check with school nearer to the start of semester for any update/new 4th year electives
** to enroll into these units, students need to get a WAM > 70% from their studies in Levels 1-3

Software Engineering

1) **Semester 1 2022 units Core units**

FIT4165	Computer networks

Plus 3 of the electives below

FIT3081	Image processing
FIT3134	Entrepreneurship
FIT3152	Data analytic
FIT5202	Data processing for big data (Level 4 and above technical elective)

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 # Important for all engineering students

Please take note that besides the academic requirements, all students must also satisfy both the **Industrial Training** (12 weeks) and **the Malaysian National Subjects** requirements before the engineering degree can be awarded.

Students completing 3rd year (6 semesters of study) and having a minimum of 120 credits will be eligible for industrial training. Students are to submit their industrial training report within 4 weeks of completion of their industrial training.

Check with Malaysian National Subjects (Compulsory Subjects) Section regarding these subjects and government requirements for both local and international students.

Application to Graduate

Graduation is **not automatic** following completion of your course. You must apply online to graduate through WES **before the deadline**. (You do not need to wait for your final semester results – your application will be deferred if you do not meet the requirements to graduate). More information available at: https://www.monash.edu.my/student-services/student-admin/graduations

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