

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

July and October 2021 Intake

Students are required to **re-enrol for both Semester 1 2022 and Semester 2 2022** via **Re-enrolment WES**

REMINDER: General Studies

- General Studies consist of units which every student enrolled in a public or private higher education institutions (PHEIs) are required to undertake **effective October 2013 intake onwards.**
- All Malaysian and international students are required to enroll, undertake, attend and pass these units as a prerequisite to the award of a certificate, diploma or degree. For further info, please email: mum.generalstudies@monash.edu

Units to be enrolled for Second Semester of Year 1 - Semester 1 2022

1) Semester 1 2022 units

Students who have completed ENG1001, ENG1005 and ENG1060 combination in previous semester:

ENG1002	Engineering design: cleaner, safer, smarter
ENG1013	Engineering smart systems
ENG2801	Leadership and innovation
Choose ONE elective from below:	
<ul style="list-style-type: none">- PHS1002 Physics for engineering- CHM1051 Chemistry 1 advanced- ENG1811 Engineering design: Automated, integrated and connected world- ECE2071 Computer organisation and programming (<i>*highly recommended for students who are branching into Electrical and Computer Systems Engineering, and Mechatronics Engineering</i>)- FIT1051 Programming fundamentals in java (<i>*for Software Engineering students</i>)	

Students who have completed ENG1090, ENG1002 and ENG1003 combination in previous semester:

ENG1001	Engineering design: lighter, faster, stronger
ENG1005	Engineering mathematics
ENG1014	Engineering numerical analysis
ENG2801	Leadership and innovation
For students who have taken ENG2801, choose ONE elective from below:	
<ul style="list-style-type: none">- PHS1002 Physics for engineering- CHM1051 Chemistry 1 advanced- ENG1811 Engineering design: Automated, integrated and connected world- ECE2071 Computer organisation and programming (<i>*highly recommended for students who are branching into Electrical and Computer Systems Engineering, and Mechatronics Engineering</i>)- FIT1051 Programming fundamentals in java (<i>*for Software Engineering students</i>)	

Note: Availability / offering of electives / any transition unit will depend upon sufficient enrolments

Units to be enrolled for First Semester of Year 2 in Semester 2 2022

Students can enroll in their Year 2 semester 1 units based on their specialisation stated in the university offer letter.

2) Semester 2 2022 units

Chemical Engineering

CHE2161	Mechanics of fluids
CHE2162	Material and energy balances
CHE2163	Heat and mass transfer
CHE2166	Introduction to process simulation

Civil Engineering

CIV2235	Structural materials
CIV2242	Geomechanics I
ENG2005	Advanced engineering mathematics

Note: One of the following two units can be taken. Priority is with ENG1021 (if not taken). If taken, a free elective from other schools or other engineering disciplines is acceptable.

ENG1021	Spatial Communication in Engineering
	Free Elective

Electrical and Computer Systems Engineering

ECE2191	Probability models in engineering
ECE3121	Engineering electromagnetics
ECE2111	Signals and systems
ECE2072	Digital systems**

Elective

TRC2001	Introduction to systems engineering
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** instead of ECE3121 if the unit was not taken in level 1

Mechanical Engineering

ENG2005	Advanced engineering mathematics
MEC2405	Thermodynamics
MEC2404	Mechanics of fluids*

Select 1 elective below:

MEC2407	Electromechanics
MEC3459	Materials Selection for Engineering Design

*to select 2 electives if MEC2404 already done in Level 1

Robotics and Mechatronics Engineering (Artificial Intelligence & Automation Streams)

ENG2005	Advanced engineering mathematics
TRC2201	Mechanics
ECE2072	Digital systems

You can choose from the following electives*

TRC2001	Introduction to systems engineering
ECE2111	Signals & Systems
MEC2407	Electromechanics

* please check with the school before the start of semester for any update to offerings of electives

Software Engineering

FIT2101	Software engineering process and management
FIT2107	Software quality and testing
FIT2085	Introduction to computer science for engineers
FIT2099	Object oriented analysis, design & implementation

***NOTE: Specialisation Selection end of Semester 1 2022**

July and October 2021 intake students will undertake specialisation selection (also known as 'branching') at the end of their Year 1 second semester (**end of Semester 1 2022, July 2022**). Students who have completed 36 credit points at the end of their Year 1 second semester could nominate their specialisation ('Area of Study') via WES.

Also, when the **Semester 1 2022 exam results** are released, kindly check that you have met the **prerequisites** of these Year 2 units. If you do not meet the pre / co-requisites, then the unit enrolled will become **INVALID**. Note: Refer to unit details in Monash handbook <https://handbook.monash.edu/>

Students who could NOT complete their Year 1 units, MUST seek enrolment advice from the Head of Common Engineering.