

# S550 GRADUATE CERTIFICATE OF ENGINEERING

## FACULTY OF SCIENCE, ENGINEERING AND BUILT ENVIRONMENT

### MECHANICAL ENGINEERING DESIGN SPECIALISATION SEQUENCE



FOR STUDENTS COMMENCING TRIMESTER 1 2023

Last updated 04/08/2022

When you first enrol via StudentConnect and go through the enrolment steps, you may be able to simply confirm any units that are pre-populated for you. You can also add any that you need to do, as part of your first year's enrolment – by using the information on this map and in the Handbook.

You must also complete the following compulsory zero (0) credit point units: [SEE700 Safety Induction Program](#) (0 credit points) AND [STP050 Academic Integrity](#) (0 credit points)

<b>YEAR</b> <b>1</b> Year: 2023	Trimester 1				
	Trimester 2				
	Trimester 3				

### S550 COURSE RULES

- Must pass 4 credit points for course
- Must pass ALL units in {SEE700, STP050}
- Must pass 1 unit set(s) in {Mechanical Engineering Design (SP-S000049), Mechatronics and Control Engineering (SP-S000051), Electrical and Renewable Energy Engineering (SP-S000076), Civil Engineering (SP-S000086)}

### FOR USE ONLY WHEN UNDERTAKING A CONSULTATION WITH A STUDENT ADVISER:

Student ID: _____		Name: _____		
Deakin email: _____		Preferred contact no: _____		
Year commenced:	Period commenced:	eCOE (if applicable):	Campus: _____	Mode: _____
Student adviser: _____				Date: _____

### Notes

### GENERAL INFORMATION

This course map is a guide only. You must also ensure you meet the course rules and structure as set out in the official [University Handbook](#) of the year you commenced your course. This course map has been created to be used electronically.

Not all units are available in all study periods or mode of delivery.

- Full time study is typically three to four units (or credit points) each study period.
- Part time study is typically one to two units (or credit points) each study period – part time study will extend the duration of your studies.

- Trimester 3 is typically an optional study period - unless it's your first study period and/or a compulsory study period for your course.

Unit options can be found in the '[Advanced Unit Search](#)' in the most current year's University Handbook.

If you have applied for or received credit for units as recognition of prior learning (RPL), it may alter the units you need to study.

Please seek advice from a Student Adviser in StudentCentral if you have any queries or need help understanding your course structure and unit options.

## S550 GRADUATE CERTIFICATE OF ENGINEERING SPECIALISATION UNIT SETS

### CIVIL ENGINEERING (SP-S000086)

[SEN725 Urban Stormwater Asset Design](#)

[SEN727 Applied Rock Engineering](#)

[SEN728 Transportation Infrastructure Systems](#)

[SEN769 Advanced Structural Design](#)

#### Completion Rule

- Must pass 4 credit points in {SEN725, SEN727, SEN728, SEN769}

### ELECTRICAL AND RENEWABLE ENERGY ENGINEERING (SP-S000076)

[SEE705 Energy Efficiency and Demand Management](#)

[SEE716 Electrical Systems Protection](#)

[SEE717 Smart Grid Systems](#)

[SEE718 Renewable Energy Systems](#)

#### Completion Rule

- Must pass 4 credit points in {SEE705, SEE716, SEE717, SEE718}

### MECHANICAL ENGINEERING DESIGN (SP-S000049)

[SEJ751 Materials Performance and Durability](#)

[SEM711 Product Development Technologies](#)

[SEM712 Advanced Finite Element Analysis](#)

[SEM722 Advanced Manufacturing Technology](#)

#### Completion Rule

- Must pass 4 credit points in {SEJ751, SEM711, SEM712, SEM722}

### MECHATRONICS AND CONTROL ENGINEERING (SP-S000051)

[SEE701 Advanced Control Systems Engineering](#)

[SEE710 Instrumentation and Process Control](#)

[SEE711 Sensor Networks](#)

Completion Rule

- Must pass 4 credit points in {SEE701, SEE710, SEE711, SEE712}