S550 GRADUATE CERTIFICATE OF ENGINEERING
FACULTY OF SCIENCE, ENGINEERING AND BUILT ENVIRONMENT
MECHANICAL ENGINEERING DESIGN SPECIALISATION SEQUENCE

DEAKIN UNIVERSITY

FOR STUDENTS COMMENCING TRIMESTER 2 2021

Last updated 01/03/2021

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)

YEAR 1 Year: 2021					
	Trimester 2				
	Trimester 3				

YEAR 2 Year: 2022					
	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), Engineering Management (SP-S000077), Additive Manufacturing (SP-S000085), 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

ADDITIVE MANUFACTURING (SP-S000085)
SEM723 Simulation, Testing and Validation for Additive Manufacturing
SEM724 Design for Additive Manufacturing
SEM725 Materials for Additive Manufacturing
SEM726 Advanced 3d Modelling and Simulation for Additive Manufacturing

Completion Rule
- Must pass 4 credit points in {SEM723, SEM724, SEM725, SEM726}

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}

ENGINEERING MANAGEMENT (SP-S000077)

SEB711 Managing and Developing Innovation
SEB724 Engineering Leadership
SEB725 Engineering Entrepreneurship

Completion Rule
- Must pass 4 credit points in {SEB711, SEB724, SEB725}

MECHANICAL ENGINEERING DESIGN (SP-S000049)
SEJ751 Materials Performance and Durability
SEM711 Product Development Technologies
SEM712 Introduction to 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 Control Systems Engineering
SEE710 Instrumentation and Process Control
SEE711 Sensor Networks
SEE712 Embedded Systems

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