

# S751 MASTER OF ENGINEERING (PROFESSIONAL)

## FACULTY OF SCIENCE, ENGINEERING AND BUILT ENVIRONMENT



FOR STUDENTS COMMENCING TRIMESTER 3 2020

Last updated 10/11/2020

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: STP050 Academic Integrity (0 credit points) AND SEE700 Safety Induction Program (0 credit points)

<b>YEAR 1</b> Year: 2020	Trimester 3				

You must also complete the following compulsory zero (0) credit point units: STP710 Career Tools for Employability (0 credit points)

<b>YEAR 2</b> Year: 2021	Trimester 1				
	Trimester 2				
	Trimester 3				

<b>YEAR 3</b> Year: 2022	Trimester 1				
	Trimester 2				
	Trimester 3				

Note: For students pursuing a second Engineering specialisation you will only be required to complete the four credit points of discipline specific units (excluding project units) within the specialisation requirements.

### S751 COURSE RULES

- Must pass 16 credit points for course
- Must pass ALL units in {SEB711, SEB725, SEN700, SET721}
- Must pass ALL units in {SEE700, STP050, STP710}
- 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)}
- Must pass 4 elective units (Level 7)

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: _____	

## 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.

## S751 MASTER OF ENGINEERING (PROFESSIONAL) SPECIALISATION UNIT SETS

ADDITIVE MANUFACTURING (SP-S000085)
<a href="#">SEM721 Product Development</a>
<a href="#">SEM723 Simulation, Testing and Validation for Additive Manufacturing</a>
<a href="#">SEM724 Design for Additive Manufacturing</a>
<a href="#">SEM725 Materials for Additive Manufacturing</a>
<a href="#">SEN719 Project Initiation</a>
<a href="#">SEN720 Project Implementation and Evaluation</a>

### Completion Rule

- Must pass 8 credit points in {SEM721, SEM723, SEM724, SEM725, SEN719, SEN720}

### Note(s)

Students must have successfully completed STP710 Career Tools for Employability (0 credit-point compulsory unit) before commencing SEN719 Project Initiation (2 credit points).

CIVIL ENGINEERING (SP-S000086)
<a href="#">SEN719 Project Initiation</a>
<a href="#">SEN720 Project Implementation and Evaluation</a>
<a href="#">SEN725 Urban Stormwater Asset Design</a>

SEN727 Applied Rock Engineering

SEN728 Transportation Infrastructure Systems

SEN769 Advanced Structural Design

Completion Rule

- Must pass 8 credit points in {SEN719, SEN720, SEN725, SEN727, SEN728, SEN769}

Note(s)

Students must have successfully completed STP710 Career Tools for Employability (0 credit-point compulsory unit) before commencing SEN719 Project Initiation (2 credit points).

### 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

SEN719 Project Initiation

SEN720 Project Implementation and Evaluation

Completion Rule

- Must pass 8 unit(s) in {SEE705, SEE716, SEE717, SEE718, SEN719, SEN720}

Note(s)

Students must have successfully completed STP710 Career Tools for Employability (0 credit-point compulsory unit) before commencing SEN719 Project Initiation (2 credit points).

### ENGINEERING MANAGEMENT (SP-S000077)

SEB723 Engineering Project Management

SEB724 Engineering Leadership

SEN719 Project Initiation

SEN720 Project Implementation and Evaluation

Completion Rule

- Must pass 8 credit points in {SEB723, SEB724, SEN719, SEN720}

Note(s)

Students must have successfully completed STP710 Career Tools for Employability (0 credit-point compulsory unit) before commencing SEN730 Engineering Management Case Study (2 credit points).

### MECHANICAL ENGINEERING DESIGN (SP-S000049)

SEM711 Product Development Technologies

SEM712 Introduction to Finite Element Analysis

SEM721 Product Development

SEM722 Advanced Manufacturing Technology

SEN719 Project Initiation

SEN720 Project Implementation and Evaluation

Completion Rule

- Must pass 8 credit points in {SEM711, SEM712, SEM721, SEM722, SEN719, SEN720}

Note(s)

Students must have successfully completed STP710 Career Tools for Employability (0 credit-point compulsory unit) before commencing SEN719 Project Initiation (2 credit points).

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

SEE701 Control Systems Engineering

SEE710 Instrumentation and Process Control

SEE711 Sensor Networks

SEE712 Embedded Systems

SEN719 Project Initiation

SEN720 Project Implementation and Evaluation

Completion Rule

- Must pass 8 credit points in {SEE701, SEE710, SEE711, SEE712, SEN719, SEN720}

Note(s)

Students must have successfully completed STP710 Career Tools for Employability (0 credit-point compulsory unit) before commencing SEN719 Project Initiation (2 credit points).