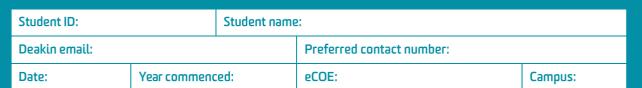# FACULTY OF SCIENCE, ENGINEERING AND BUILT ENVIRONMENT

S820 Master of Science (Research)

(2017 SAMPLE COURSE MAP)

DEAKIN
UNIVERSITY

Student ID:		Student name:	
Deakin email:		Preferred contact number:	
Date:	Year commenced:	eCOE:	Campus:

YEAR 1 Year: [Year]	Trimester 1	SSC803 Research Planning and Management^	☐ E ☐ P ☐ Cr	Advanced Disciplinary Unit 1	☐ E ☐ P ☐ Cr	Advanced Disciplinary Unit 2	☐ E ☐ P ☐ Cr	SSC801 Research Frontiers Project 1^	☐ E ☐ P ☐ Cr
	Trimester 2	SSC804 Research Communication^	☐ E ☐ P ☐ Cr	Advanced Disciplinary Unit 3	☐ E ☐ P ☐ Cr	Advanced Disciplinary Unit 4	☐ E ☐ P ☐ Cr	SSC802 Research Frontiers Project 2^	☐ E ☐ P ☐ Cr
	Trimester 3*		☐ E ☐ P ☐ Cr		☐ E ☐ P ☐ Cr		☐ E ☐ P ☐ Cr		☐ E ☐ P ☐ Cr

YEAR 2 Year: [Year]	Trimester 1	SSC805L Research Thesis 1 (4cp)							☐ E ☐ P ☐ Cr
	Trimester 2	SSC806L Research Thesis 2 (4cp)							☐ E ☐ P ☐ Cr
	Trimester 3*		☐ E ☐ P ☐ Cr		☐ E ☐ P ☐ Cr		☐ E ☐ P ☐ Cr		☐ E ☐ P ☐ Cr

^ units are available in both trimester 1 and trimester 2

* Trimester 3 is optional.

This course map is for illustrative purposes only. Students must meet the course rules and unit requirements as set out in the Handbook (**deakin.edu.au/handbook**). Deakin University reserves the right to alter, amend or delete details of course offerings and other information published herein. Students are advised to check the relevant Handbook online (at the above link) for the most up-to-date information relating to their course

Student signature:
Course adviser:

See page 2 for Course Progress Check instructions

S820 Master of Science (Research)
(2017 SAMPLE COURSE MAP)

Course Progress Check

1 Please indicate what year you want to complete your degree by: [   ]

At the end of which Trimester: ☐ 1 ☐ 2 ☐ 3

2 Please indicate whether you would like to study in Trimester 3: ☐ No ☐ Yes

If yes, please indicate number of units: [   ] *Please indicate the year you intend to commence Trimester 3:*

3 Mark the check boxes of any units you intend to study (enrolled/planned), have passed or received credit for. Each unit should only be ticked once.

4 Submit this form to the Faculty Student Centre or send it via email to: sebe@deakin.edu.au

A Student Adviser will check your units and will confirm your course plan or provide advice as needed.

For course rules please visit: **deakin.edu.au/handbook**

Course Rules

The course comprises a total of 16 credit points, which must include the following:

Year 1 (8 credit points):

- 4 core units (4 credit points)
- A specialisation comprising of four units (4 credit points)

Year 2 (8 credit points):

- 2 x Research Thesis units (four credit points each)

For any further course advice and assistance, please feel free to contact the Faculty of Science, Engineering and Built Environment Student Services office:

Burwood (Melbourne): Building L, Phone: 03 9244 6699
Waterfront (Geelong): Level 4, Building D, Phone: 03 5227 8300
Waurn Ponds (Geelong): Level 3, Building KA, Phone: 03 5227 2463
Warrnambool: Level 2, Building J, Phone: 03 5563 3327

KEY

B	Melbourne Burwood Campus	**E**	Enrolled/planned
WF	Geelong Waterfront Campus	**P**	Passed
WP	Geelong Waurn Ponds Campus	**Cr**	Credit
WB	Warrnambool Campus		
C	Cloud Campus		

S820 Master of Science (Research)
(2017 SAMPLE COURSE MAP)

Master of Science (Research) Specialisations:	
Frontier Sciences	• Biotechnology (G) • Data Science (B, Cloud) (No intake in 2017) • Frontier Materials and Nanotechnology (G) (No intake in 2017)
Engineering	• Electrical and Renewable Energy Engineering (G, Cloud) (No intake in 2017) • Electronics Engineering (G) (No intake in 2017) • Mechanical Engineering Design (G) (No intake in 2017)
Information Technology	• Cyber Security (B, Cloud) (No intake in 2017) • Software and Services (B, Cloud) (No intake in 2017)
Sustainable Regional Development	• Sustainable Regional Development (B, Cloud)

Frontier Sciences specialisation:

Biotechnology Campus: Waurn Ponds (Geelong) unit set code - SP-S000003		
Tri 1	SLE703 Agricultural Biotechnology	SLE712 Laboratory Techniques for Cellular and Molecular Biotechnology
Tri 2	SLE706 Frontier Techniques in Biotechnology and Nanotechnology	SLE713 Industrial and Analytical Techniques in Biotechnology

Data Science Campus: Burwood (Melbourne), Cloud (online) unit set code - SP-S000004 (No intake in 2017)		
Tri 1	SIT741 Statistical Data Analysis	SIT742 Modern Data Science
Tri 2	SIT743 Multivariate and Categorical Data Analysis	SIT744 Practical Machine Learning for Data Science

Frontier Materials and Nanotechnology Campus: Waurn Ponds (Geelong) unit set code - SP-S000010 (No intake in 2017)		
Tri 1	SEK701 Foundations of Materials Modelling	SEK702 Advanced Materials Characterisation
Tri 2	SEK703 Frontier Engineering Materials	SEK704 Frontier Natural and Functional Materials

Engineering specialisation:

Electrical and Renewable Energy Engineering Campus: Waurn Ponds (Geelong) unit set code - SP-S000076 (No intake in 2017)		
Tri 1	SEE705 Energy Efficiency and Demand Management (also available T3)	SEE717 Smart Grid Systems
Tri 2	SEE716 Electrical Systems Protection	SEE718 Renewable Energy Systems

Electronics Engineering Campus: Waurn Ponds (Geelong) unit set code - SP-S000051 (No intake in 2017)		
Tri 1	SEE701 Control Systems Engineering	SEE712 Embedded Systems
Tri 2	SEE711 Sensor Networks	SEE710 Instrumentation and Process Control (also available T3)

Mechanical Engineering Design Campus: Waurn Ponds (Geelong) unit set code - SP-S000049 (No intake in 2017)		
Tri 1	SEM712 CAE and Finite Element Analysis	SEM721 Product Development (also available T3)
Tri 2	SEM711 Product Development Technologies	SEM722 Advanced Manufacturing Technology

Information Technology specialisation:

IT Security Campus: Burwood (Melbourne), Cloud (Online) unit set code - SP-S000028 (No intake in 2017)		
Tri 1	SIT704 Advanced Topics in Digital Security	SIT763 IT Security Management
Tri 2	SIT703 Advanced Digital Forensics	SIT735 Communications Network Security

Software and Services Campus: Burwood (Melbourne), Cloud (Online) unit set code - SP-S000018 (No intake in 2017)		
Tri 1	SIT737 Service Oriented Architectures and Technologies	SIT780 Enterprise Applications Development
Tri 2	SIT717 Enterprise Business Intelligence	SIT725 Advanced Software Engineering

Sustainable Regional Development specialisation:

Sustainable Regional Development Campus: Burwood (Melbourne), Cloud (Online) unit set code - SP-S000082		
Tri 1	SLE740 Climate Change Adaptation and Mitigation	SLE742 Systems and Strategic Thinking
Tri 2	SLE741 Regional Development Economics and Planning	SLE743 Regional Development Modelling