S770 MASTER OF DATA SCIENCE (PROFESSIONAL)
FACULTY OF SCIENCE, ENGINEERING AND BUILT ENVIRONMENT
PART C: PROFESSIONAL STUDIES - TEAM PROJECT

FOR STUDENTS COMMENCING TRIMESTER 1 2023

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)

YEAR 1 Year: 2023	Trimester 1			
	Trimester 2			
	Trimester 3			

YEAR 2 Year: 2024	Trimester 1			
	Trimester 2			
	Trimester 3			

*Excluding SIT771, SIT772, SIT773, SIT774

Note: Students are recommended to undertake SIT764 and SIT782 in consecutive trimesters. Students should seek advice from the unit chair if they are unable to complete SIT764 and SIT782 consecutively.

S770 COURSE RULES

- Must pass 16 credit points for course

- Must pass 1 units in {STP050}

- Must pass ALL units in {SIT718, SIT720, SIT731, SIT741, SIT742, SIT743, SIT744, SIT787}

- Must pass ALL units in {SIT753, SIT764, SIT782} OR

- Must pass ALL units in {SIT753, SIT791, STP710} OR

- Must pass ALL units in {SIT723, SIT746} OR

- Must pass ALL units in {SIT723, SIT753}

- Must pass 1 unit set(s) in {Part C: Professional Studies - Professional Practice (PT-S770003), Part C: Professional Studies - Research Project a and Electives (PT-S770004), Part C: Professional Studies - Research Project a and Research Project B (Thesis) (PT-S770006), Part C: Professional Studies - Team Project a and Team Project B (PT-S770007)}

- Must pass 1 unit set(s) in {Business Analytics (SP-MDBS004), Information Systems (SP-MDBS012), Networking and Cloud Technologies (SP-S000021), Cyber Security (SP-S000028), Blockchain and Software Development (SP-S000092), Ai and Computer Vision (SP-S000093), Analytics in Internet of Things (SP-S000094)} OR

- Must pass 4 credit points in {MIS7%, SIT7%}

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.

S770 MASTER OF DATA SCIENCE (PROFESSIONAL) PART UNIT SETS

PART A: CORE DATA SCIENCE STUDIES (PT-S770001)
SIT718 Real World Analytics
SIT720 Machine Learning
SIT731 Data Wrangling
SIT741 Statistical Data Analysis
SIT742 Modern Data Science
SIT743 Bayesian Learning and Graphical Models
SIT744 Deep Learning
SIT787 Mathematics for Artificial Intelligence

Completion Rule

- Must pass all unit(s) in {SIT718, SIT720, SIT731, SIT741, SIT742, SIT743, SIT744, SIT787}

PART C: PROFESSIONAL STUDIES - PROFESSIONAL PRACTICE (PT-S770003)

SIT753 Professional Practice in Information Technology

SIT791 Professional Practice

STP710 Career Tools for Employability

Completion Rule
- Must pass all unit(s) in {SIT753, SIT791, STP710}
- Must pass 1 credit points in {SIT7%}

PART C: PROFESSIONAL STUDIES - RESEARCH PROJECT A AND ELECTIVES (PT-S770004)

SIT723 Research Training and Project

SIT753 Professional Practice in Information Technology

Completion Rule
- Must pass all unit(s) in {SIT723, SIT753}
- Must pass 1 credit points in {SIT7%}

PART C: PROFESSIONAL STUDIES - RESEARCH PROJECT A AND RESEARCH PROJECT B (THESIS) (PT-S770006)

SIT723 Research Training and Project

SIT746 Research Project (Advanced)

Completion Rule
- Must pass all unit(s) in {SIT723, SIT746}

PART C: PROFESSIONAL STUDIES - TEAM PROJECT A AND TEAM PROJECT B (PT-S770007)

SIT753 Professional Practice in Information Technology

SIT764 Team Project (A) - Project Management and Practices

SIT782 Team Project (B) - Execution and Delivery

Completion Rule
- Must pass all unit(s) in {SIT753, SIT764, SIT782}
- Must pass 1 credit points in {SIT7%}

S770 MASTER OF DATA SCIENCE (PROFESSIONAL) SPECIALISATION UNIT SETS

AI AND COMPUTER VISION (SP-S000093)

SIT788 Engineering Ai Solutions

SIT789 Applications of Computer Vision and Speech Processing

SIT796 Reinforcement Learning

SIT799 Human Aligned Artificial Intelligence

Completion Rule
- Must pass all unit(s) in {SIT788, SIT789, SIT796, SIT799}

ANALYTICS IN INTERNET OF THINGS (SP-S000094)

SIT722 Software Deployment and Operation

SIT725 Applied Software Engineering

SIT729 Software Architecture and Scalability for Internet of Things

SIT730 Embedded Systems Development

SIT732 Developing Secure Internet of Things Applications

Completion Rule
- Must pass all unit(s) in {SIT725, SIT729, SIT730, SIT722, SIT732}

BLOCKCHAIN AND SOFTWARE DEVELOPMENT (SP-S000092)

SIT708 Mobile Application Development

SIT725 Applied Software Engineering

SIT728 Blockchain Technologies and Real-World Applications

SIT737 Cloud Native Application Development

Completion Rule
- Must pass all unit(s) in {SIT708, SIT725, SIT728, SIT737}

BUSINESS ANALYTICS (SP-MDBS004)

MIS770 Foundation Skills in Data Analysis

MIS771 Descriptive Analytics and Visualisation

MIS772 Predictive Analytics

MIS714 People Analytics

MIS781 Business Intelligence and Database

Completion Rule
- Must pass 2 unit(s) in {MIS770, MIS771}
- Must pass 2 unit(s) in {MIS714, MIS772, MIS781}

CYBER SECURITY (SP-S000028)

SIT703 Computer Forensics and Investigations

SIT704 Ethical Hacking

SIT716 Computer Networks and Security

SIT735 Application and Communication Protocol Security

SIT736 Identity, Access Management and Physical Security

SIT738 Secure Coding

SIT763 Cyber Security Management

Completion Rule
- Must pass all units in { SIT716, SIT704}
- Must pass 2 units in {SIT703, SIT735, SIT736, SIT738, SIT763}

INFORMATION SYSTEMS (SP-MDBS012)

MIS701 Digital Business Analysis

MIS761 Cybersecurity Strategies

MIS770 Foundation Skills in Data Analysis

MIS770A Foundation Skills in Data Analysis

MIS782 Value of Information

Completion Rule
- Must pass 3 credit points in {MIS701, MIS761, MIS782}
- Must pass 1 credit points in {MIS770, MIS770A}

NETWORKING AND CLOUD TECHNOLOGIES (SP-S000021)

SIT706 Cloud Computing

SIT716 Computer Networks and Security

SIT722 Software Deployment and Operation

SIT727 Cloud Automation Technologies

SIT729 Software Architecture and Scalability for Internet of Things

SIT737 Cloud Native Application Development

Completion Rule
- Must pass 3 units in {SIT706, SIT716, SIT727}
- Must pass 1 unit in { SIT722, SIT729, SIT737}