S770 MASTER OF DATA SCIENCE (PROFESSIONAL)

FACULTY OF SCIENCE, ENGINEERING AND BUILT ENVIRONMENT

PART D - PROFESSIONAL STUDIES: TEAM PROJECT

FOR STUDENTS COMMENCING TRIMESTER 1 2025

Last updated 30/08/2024

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: DAI001 Academic Integrity and Respect at Deakin (0 credit points)

YEAR 1 Year: 2025	Trimester 1	SIT718 Real World Analytics	SIT720 Machine Learning	SIT731 Data Wrangling	SIT787 Mathematics for Artificial Intelligence
	Trimester 2	SIT741 Statistical Data Analysis	SIT742 Modern Data Science	SIT744 Deep Learning	SIT753 Professional Practice in Information Technology
	Trimester 3				
YEAR 2 Year: 2026	Trimester 1	SIT743 Bayesian Learning and Graphical Models	SIT764 Team Project (A) - Project Management and Practices	Specialisation or Level 7 SIT or MIS elective unit*	Specialisation or Level 7 SIT or MIS elective unit*
	Trimester 2	SIT782 Team Project (B) - Execution and Delivery	Level 7 SIT or MIS Elective Unit *	Specialisation or Level 7 SIT or MIS elective unit*	Specialisation or Level 7 SIT or MIS elective unit*
	Trimester 3				

* Excluding SIT771, SIT772, SIT773, and SIT774.

S770 COURSE RULES

- Must pass 16 credit points for course
- Must pass ALL units in {DAI001, SIT718, SIT720, SIT731, SIT741, SIT742, SIT743, SIT744, SIT787}
- Must pass 1 unit set in {AI and Computer Vision (SP-S000093), Analytics in Internet of Things (SP-S000094), Blockchain and Software Development (SP-S000092), Business Analytics (SP-MDBS004), Cyber Security (SP-S000028), Information Systems (SP-MDBS012), Information Technology Research Training (SP-S000011), Networking and Cloud Technologies (SP-S000021)} OR Must pass 4 credit point(s) at level 7 in {SIT7%, MIS%}
- Must pass 3 credit points in all units in {SIT753, SIT764, SIT782} OR Must pass 4 unit(s) in {SIT753, SIT764, SIT791, STP710} OR (Must pass 2 credit points in {SIT753, SIT764} AND Must pass 2 credit points in {SIT723, SIT792}).

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.

S770 MASTER OF DATA SCIENCE (PROFESSIONAL) SPECIALISATION UNIT SETS

AI AND COMPUTER VISION (SP-S000093)
SIT770 Natural Language Processing
SIT788 Engineering Ai Solutions
SIT796 Reinforcement Learning
SIT799 Human Aligned Artificial Intelligence

Completion Rule

- Must pass 4 unit(s) in {SIT770, SIT788, 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}

- Must pass 1 unit(s) in {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)
MIS714 People Analytics
MIS770 Foundation Skills in Data Analysis
MIS771 Descriptive Analytics and Visualisation
MIS772 Predictive Analytics
MIS781 Business Intelligence and Database

Completion Rule

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

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 unit(s) in {SIT704, SIT716}
- Must pass 2 unit(s) in {SIT703, SIT735, SIT736, SIT738, SIT763}

INFORMATION SYSTEMS (SP-MDBS012)
MIS701 Digital Business Analysis

MIS761 Cyber Security Strategies
MIS770 Foundation Skills in Data Analysis
MIS782 Value of Information

Completion Rule

- Must pass 4 credit points in {MIS701, MIS761, MIS770, MIS782}

INFORMATION TECHNOLOGY RESEARCH TRAINING (SP-S000011)
SIT723 Research Techniques and Applications
SIT724 Research Project
SIT746 Research Project (Advanced)
SIT747 Research Project (Publication)
SLE761 Professional Research Practice

Completion Rule

- Must pass 4 credit points in {SIT723, SIT724, SIT746, SIT747, SLE761}

NETWORKING AND CLOUD TECHNOLOGIES (SP-S000021)
SIT706 Cloud Computing
SIT716 Computer Networks and Security
SIT722 Software Deployment and Operation
SIT727 Cloud Automation Technologies
SIT737 Cloud Native Application Development

Completion Rule

- Must pass 4 unit(s) in {SIT706, SIT716, SIT722, SIT727, SIT737}