

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



FOR STUDENTS COMMENCING TRIMESTER 1 2027

Last updated 01/09/2026

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<br>1<br>Year:<br>2027 | Trimester 1 |  |  |  |  |
|                            | Trimester 2 |  |  |  |  |
|                            | Trimester 3 |  |  |  |  |
| YEAR<br>2<br>Year:<br>2028 | Trimester 1 |  |  |  |  |
|                            | Trimester 2 |  |  |  |  |
|                            | Trimester 3 |  |  |  |  |

\* Excluding SIT771, SIT772, SIT773, and SIT774.

^ Entry is subject to specific unit entry requirements.

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 ALL units in {SIT753, SIT764, SIT782} AND Must pass one (1) credit point of level 7 SIT or MIS-coded elective units
- OR
- Must pass ALL units in {SIT753, SIT764, SIT791, STP710}
- OR
- Must pass ALL units in {SIT753, SIT764} AND Must pass 2 credit points in {SIT723}.

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)                                    |
|------------------------------------------------------------------------|
| <a href="#">SIT770 Natural Language Processing</a>                     |
| <a href="#">SIT788 Engineering Ai Solutions</a>                        |
| <a href="#">SIT789 Robotics, Computer Vision and Speech Processing</a> |
| <a href="#">SIT796 Reinforcement Learning</a>                          |
| <a href="#">SIT799 Human Aligned Artificial Intelligence</a>           |

Completion Rule

- Must pass 4 unit(s) in {SIT770, SIT788, SIT789, SIT796, SIT799}

| ANALYTICS IN INTERNET OF THINGS (SP-S000094) |
|----------------------------------------------|
|----------------------------------------------|

|                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------|
| <u>SIT722 Software Deployment and Operation</u>                                                                           |
| <u>SIT725 Applied Software Engineering</u>                                                                                |
| <u>SIT729 Software Architecture and Scalability for Internet of Things</u>                                                |
| <u>SIT732 Developing Secure Internet of Things Applications</u>                                                           |
| Completion Rule <ul style="list-style-type: none"><li>Must pass all unit(s) in {SIT725, SIT729, SIT722, SIT732}</li></ul> |

| BLOCKCHAIN AND SOFTWARE DEVELOPMENT (SP-S000092)                                                                          |
|---------------------------------------------------------------------------------------------------------------------------|
| <u>SIT708 Mobile Application Development</u>                                                                              |
| <u>SIT725 Applied Software Engineering</u>                                                                                |
| <u>SIT728 Blockchain Technologies and Real-World Applications</u>                                                         |
| <u>SIT737 Cloud Native Application Development</u>                                                                        |
| Completion Rule <ul style="list-style-type: none"><li>Must pass all unit(s) in {SIT708, SIT725, SIT728, SIT737}</li></ul> |

| BUSINESS ANALYTICS (SP-MDBS004)                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>MIS714 People Analytics</u>                                                                                                                                  |
| <u>MIS770 Foundation Skills in Data Analysis</u>                                                                                                                |
| <u>MIS771 Descriptive Analytics and Visualisation</u>                                                                                                           |
| <u>MIS772 Predictive Analytics</u>                                                                                                                              |
| <u>MIS781 Business Intelligence and Database</u>                                                                                                                |
| Completion Rule <ul style="list-style-type: none"><li>Must pass 2 unit(s) in {MIS714, MIS772, MIS781}</li><li>Must pass 2 unit(s) in {MIS770, MIS771}</li></ul> |

| CYBER SECURITY (SP-S000028)                                     |
|-----------------------------------------------------------------|
| <u>SIT703 Computer Forensics and Investigations</u>             |
| <u>SIT704 Ethical Hacking</u>                                   |
| <u>SIT716 Computer Networks and Security</u>                    |
| <u>SIT735 Application and Communication Protocol Security</u>   |
| <u>SIT736 Identity, Access Management and Physical Security</u> |
| <u>SIT738 Secure Coding</u>                                     |

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

MIS712 Managing Digital Transformation

MIS761 Cyber Security Strategies

MIS782 Value Creation with Data & AI

MPE701 Information Technology, Markets and Business Strategy

Completion Rule

- Must pass 4 credit points in {MIS701, MIS712, MIS761, MIS782, MPE701}

**INFORMATION TECHNOLOGY RESEARCH TRAINING (SP-S000011)**

SIT723 Research Techniques and Applications

SIT724 Research Project

SIT747 Research Project (Publication)

SLE761 Professional Research Practice

Completion Rule

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