

# S777 MASTER OF DATA SCIENCE

## FACULTY OF SCIENCE, ENGINEERING AND BUILT ENVIRONMENT



FOR STUDENTS COMMENCING TRIMESTER 2 2024

Last updated 17/09/2024

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 Module (0 credit points)

|                            |             |  |  |  |  |
|----------------------------|-------------|--|--|--|--|
| YEAR<br>1<br>Year:<br>2024 | Trimester 2 |  |  |  |  |
|                            | Trimester 3 |  |  |  |  |
| YEAR<br>2<br>Year:<br>2025 | Trimester 1 |  |  |  |  |
|                            | Trimester 2 |  |  |  |  |
|                            | Trimester 3 |  |  |  |  |
| YEAR<br>3<br>Year:<br>2026 | Trimester 1 |  |  |  |  |
|                            | Trimester 2 |  |  |  |  |
|                            | Trimester 3 |  |  |  |  |

Note: Students are expected 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.

### S777 COURSE RULES

- Must pass 16 credit points for course
- Must pass 1 units in {DAI001}
- Must pass ALL units in {SIT718, SIT720, SIT731, SIT741, SIT742, SIT743, SIT744, SIT753, SIT764, SIT771, SIT772, SIT773, SIT774, SIT782}

### 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.

S777 MASTER OF DATA SCIENCE PART UNIT SETS

| PART A: FOUNDATION INFORMATION TECHNOLOGY STUDIES (PT-S777001)      |
|---|
| <a href="#">SIT771 Object-Oriented Development</a>                  |
| <a href="#">SIT772 Database Fundamentals</a>                        |
| <a href="#">SIT773 Software Requirements Analysis and Modelling</a> |
| <a href="#">SIT774 Web Technologies and Development</a>             |

Completion Rule

- Must pass all unit(s) in {SIT771, SIT772, SIT773, SIT774}

| PART B: FUNDAMENTAL DATA ANALYTICS STUDIES (PT-S777002)        |
|--|
| <a href="#">SIT718 Real World Analytics</a>                    |
| <a href="#">SIT731 Data Wrangling</a>                          |
| <a href="#">SIT787 Mathematics for Artificial Intelligence</a> |

Completion Rule

- Must pass all unit(s) in {SIT718, SIT731, SIT787}
- Must pass 1 unit(s) in { MIS7%, SIT7%}

| PART C: CORE DATA SCIENCE STUDIES (PT-S777008)                         |
|--|
| <a href="#">SIT720 Machine Learning</a>                                |
| <a href="#">SIT741 Statistical Data Analysis</a>                       |
| <a href="#">SIT742 Modern Data Science</a>                             |
| <a href="#">SIT753 Professional Practice in Information Technology</a> |

- Completion Rule
- Must pass all unit(s) in {SIT720, SIT741, SIT742, SIT753}

| PART D: MASTERY DATA SCIENCE STUDIES (PT-S777003)                          |
|--|
| <a href="#">SIT743 Bayesian Learning and Graphical Models</a>              |
| <a href="#">SIT744 Deep Learning</a>                                       |
| <a href="#">SIT764 Team Project (A) - Project Management and Practices</a> |
| <a href="#">SIT782 Team Project (B) - Execution and Delivery</a>           |

- Completion Rule
- Must pass all unit(s) in {SIT743, SIT744, SIT764, SIT782}