

# S776 MASTER OF INFORMATION TECHNOLOGY

## FACULTY OF SCIENCE, ENGINEERING AND BUILT ENVIRONMENT



FOR STUDENTS COMMENCING TRIMESTER 1 2023

Last updated 09/01/2024

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: STP050 Academic Integrity (0 credit points)

<b>YEAR 1</b> Year: 2023	Trimester 1				
	Trimester 2				
	Trimester 3				

<b>YEAR 2</b> Year: 2024	Trimester 1				
	Trimester 2				
	Trimester 3				

\*Excluding SIT771, SIT772, SIT773, SIT774

### S776 COURSE RULES

- Must pass 16 credit points for course
- Must pass 1 units in {STP050}
- Must pass ALL units in {SIT719, SIT722, SIT725, SIT726, SIT740, SIT753, SIT764, SIT771, SIT772, SIT773, SIT774, SIT782}
- Must pass 1 unit set(s) in {Networking and Cloud Technologies (SP-S000021), Software and Services Development (SP-S000023), Cyber Security (SP-S000028), Data Science (SP-S000055), Emerging Technologies for Supply Chain (SP-S000062), Virtual Reality (SP-S000083), Internet of Things (SP-S000091)}

Note: Depending upon prior qualifications and/or experience, you may receive credit for the Foundation and Fundamental Information Technology Studies.

### 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.

### S776 MASTER OF INFORMATION TECHNOLOGY PART UNIT SETS

FOUNDATION INFORMATION TECHNOLOGY STUDIES (PT-S776001)
<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}

FUNDAMENTAL INFORMATION TECHNOLOGY STUDIES (PT-S776002)
<a href="#">SIT719 Analytics for Security and Privacy</a>
<a href="#">SIT725 Applied Software Engineering</a>
<a href="#">SIT726 Information Technology Innovations and Entrepreneurship</a>

#### Completion Rule

- Must pass all unit(s) in {SIT719, SIT725, SIT726}
- Must pass 1 unit(s) in {SIT7%}

## MASTERY INFORMATION TECHNOLOGY STUDIES (PT-S776003)

[SIT740 Research and Development in Information Technology](#)

[SIT764 Team Project \(A\) - Project Management and Practices](#)

[SIT780 Enterprise Applications Development](#)

[SIT782 Team Project \(B\) - Execution and Delivery](#)

### Completion Rule

- Must pass all unit(s) in {SIT740, SIT764, SIT780, SIT782}

## S776 MASTER OF INFORMATION TECHNOLOGY SPECIALISATION UNIT SETS

### CYBER SECURITY (SP-S000028)

[SIT716 Computer Networks and Security](#)

[SIT704 Ethical Hacking](#)

And two (2) units from the following:

[SIT735 Application and Communication Protocol Security](#)

[SIT736 Identity, Access Management and Physical Security](#)

[SIT738 Secure Coding](#)

[SIT763 Cyber Security Management](#)

[SIT703 Computer Forensics and Investigations](#)

### Completion Rule

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

### DATA SCIENCE (SP-S000055)

[SIT718 Real World Analytics](#)

[SIT720 Machine Learning](#)

And two (2) units from the following:

[SIT731 Data Wrangling](#)

[SIT741 Statistical Data Analysis](#)

[SIT742 Modern Data Science](#)

[SIT743 Bayesian Learning and Graphical Models](#)

[SIT744 Deep Learning](#)

### Completion Rule

- Must pass all unit(s) in {SIT718, SIT720}
- Must pass 2 unit(s) in {SIT731, SIT741, SIT742, SIT743, SIT744}

### EMERGING TECHNOLOGIES FOR SUPPLY CHAIN (SP-S000062)

[SIT718 Real World Analytics](#)

[SIT720 Machine Learning](#)

[SIT728 Blockchain Technologies and Real-World Applications](#)

[SIT729 Software Architecture and Scalability for Internet of Things](#)

[SIT742 Modern Data Science](#)

[SIT763 Cyber Security Management](#)

Completion Rule

- Must pass all unit(s) in {SIT718, SIT720, SIT728}
- Must pass 1 unit(s) in {SIT729, SIT742, SIT763}

#### INTERNET OF THINGS (SP-S000091)

[SIT716 Computer Networks and Security](#)

[SIT722 Software Deployment and Operation](#)

[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 {SIT729, SIT730, SIT732}
- Must pass 1 unit(s) in {SIT716, SIT722}

#### NETWORKING AND CLOUD TECHNOLOGIES (SP-S000021)

[SIT706 Cloud Computing](#)

[SIT716 Computer Networks and Security](#)

[SIT727 Cloud Automation Technologies](#)

And one (1) unit from the following:

[SIT722 Software Deployment and Operation](#) OR

[SIT729 Software Architecture and Scalability for Internet of Things](#) OR

[SIT737 Cloud Native Application Development](#)

Completion Rule

- Must pass all unit(s) in {SIT706, SIT716, SIT727}
- Must pass 1 unit(s) in {SIT722, SIT729, SIT737}

#### SOFTWARE AND SERVICES DEVELOPMENT (SP-S000023)

[SIT707 Software Quality and Testing](#)

[SIT708 Mobile Application Development](#)

[SIT728 Blockchain Technologies and Real-World Applications](#)

SIT737 Cloud Native Application Development

Completion Rule

- Must pass all unit(s) in {SIT707, SIT708, SIT728, SIT737}

## **VIRTUAL REALITY (SP-S000083)**

SIT755 Interactive Application Design for Virtual and Augmented Reality

SIT756 Development for Virtual and Augmented Reality

SIT757 Content Creation for Interactive Experiences

SIT758 Assembling Virtual and Augmented Reality Experiences

Completion Rule

- Must pass all unit(s) in {SIT755, SIT756, SIT757, SIT758}