S779 MASTER OF INFORMATION TECHNOLOGY (PROFESSIONAL)

FACULTY OF SCIENCE, ENGINEERING AND BUILT ENVIRONMENT
PROFESSIONAL STUDIE: RESEARCH TRAINING, PROJECT AND ELECTIVES

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			

Note: *excluding SIT771, SIT772, SIT773, and SIT774

S779 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}

- 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 {Professional Studies: Professional Practice (PT-S779003), Professional Studies: Research Project (Thesis) (PT-S779004), Professional Studies: Research Training and Project (PT-S779005), Part C: Professional Studies - Team Project a and Team Project B (PT-S779007)}

- 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)}

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 <u>University Handbook</u> 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 <u>'Advanced Unit Search'</u> 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.

S779 MASTER OF INFORMATION TECHNOLOGY (PROFESSIONAL) PART UNIT SETS

FUNDAMENTAL INFORMATION TECHNOLOGY STUDIES (PT-S779001)
<u>SIT719 Analytics for Security and Privacy</u>
<u>SIT725 Applied Software Engineering</u>
<u>SIT726 Information Technology Innovations and Entrepreneurship</u>

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

Note(s)

The Level 7 SIT elective excludes SIT771, SIT772, SIT773 and SIT774

MASTERY INFORMATION TECHNOLOGY STUDIES (PT-S779002)
<u>SIT722 Software Deployment and Operation</u>
<u>SIT740 Research and Development in Information Technology</u>

Completion Rule
- Must pass all unit(s) in {SIT722, SIT740}
- Must pass 2 credit points in {SIT7%}

PART C: PROFESSIONAL STUDIES - TEAM PROJECT (PT-S779007)

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%}

PROFESSIONAL STUDIES: PROFESSIONAL PRACTICE (PT-S779003)

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%}

PROFESSIONAL STUDIES: RESEARCH TRAINING, PROJECT AND ELECTIVES (PT-S779005)

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%}

PROFESSIONAL STUDIES: RESEARCH PROJECT (PT-S779004)

SIT723 Research Training and Project

SIT746 Research Project (Advanced)

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

S779 MASTER OF INFORMATION TECHNOLOGY (PROFESSIONAL) SPECIALISATION UNIT SETS

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 unit(s) in {SIT703, SIT735, SIT736, SIT738, SIT763}

DATA SCIENCE (SP-S000055)

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

Completion Rule
- Must pass all units 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

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}

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}