

# S479 BACHELOR OF DATA SCIENCE (HONOURS)

## FACULTY OF SCIENCE, ENGINEERING AND BUILT ENVIRONMENT



FOR STUDENTS COMMENCING TRIMESTER 1 2024

Last updated 29/11/2023

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: STP010 Career Tools for Employability (0 credit points)  
AND DAI001 Academic Integrity Module (0 credit points)  
AND SIT010 Safety Induction Program (0 credit points)

<b>YEAR 1</b> Year: 2024	Trimester 1				
	Trimester 2				
	Trimester 3				
<b>YEAR 2</b> Year: 2025	Trimester 1				
	Trimester 2				
	Trimester 3				
<b>YEAR 3</b> Year: 2026	Trimester 1				
	Trimester 2				
	Trimester 3				
<b>YEAR 4</b> Year: 2027	Trimester 1				
	Trimester 2				
	Trimester 3				

SIT374, SIT378, SIT306, SIT344, SIT723, SIT724, SIT746- Offered in Trimester 1, trimester 2 and trimester 3

SIT374, SIT378 - Students are recommended to undertake SIT374 and SIT378 in consecutive trimesters.

Students should seek advice from the unit chair if they are unable to complete SIT374 and SIT378 consecutively. Entry to SIT746 is subject to specific unit entry requirements

### S479 COURSE RULES

- Must pass 32 credit points for course
- Must pass ALL units in {DAI001, SIT010, STP010}
- Must pass ALL units in {SIT102, SIT103, SIT111, SIT112, SIT191, SIT192, SIT202, SIT220, SIT221, SIT223, SIT225, SIT232, SIT292, SIT307, SIT319, SIT330, SIT723}
- Must pass 1 units in {SIT724, SIT746}

- Must pass 14 credit points at levels {2, 3}
- Must pass 6 credit points at level {3}
- Must pass 4 credit points at level {7}
- Must pass 1 unit set(s) in {Education (MN-A000066), Finance (MN-M30005), Marketing (MN-M30008), Retail Management (MN-M30009), Human Resource Management (MN-M30012), Security Management (MN-S000003), Embedded Systems (MN-S000005), Virtual and Augmented Reality (MN-S000009), Cloud Technologies (MN-S000011), Full Stack Development (MN-S000012), Cyber Security (MN-S000015), Cyber Security Analytics (MN-S000016), Health Analytics (MN-S000017), Information Technologies Research (MN-S000018), Psychology (MN-S000019), Sports Analytics (MN-S000020), Sustainability and Environmental Science (MN-S000021)}
- Must pass ALL units in {SIT306, SIT374, SIT378} OR Must pass ALL units in {SIT344}.

**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.

**S479 BACHELOR OF DATA SCIENCE (HONOURS) MINOR UNIT SETS**

<b>CLOUD TECHNOLOGIES (MN-S000011)</b>
<a href="#">SIT226 Cloud Automation Technologies</a>
<a href="#">SIT233 Cloud Computing</a>
<a href="#">SIT314 Software Architecture and Scalability for Internet-Of-Things</a>

### SIT323 Cloud Native Application Development

#### Completion Rule

- Must pass all unit(s) in {SIT226, SIT233, SIT314, SIT323}

### **CYBER SECURITY (MN-S000015)**

SIT182 Real World Practices for Cyber Security

SIT218 Secure Coding

SIT284 Cyber Security Management

SIT379 Ethical Hacking

#### Completion Rule

- Must pass all unit(s) in {SIT182, SIT218, SIT284, SIT379}

### **CYBER SECURITY ANALYTICS (MN-S000016)**

SIT182 Real World Practices for Cyber Security

SIT282 Computer Forensics and Investigations

SIT326 Advanced Network Analytics and Forensics

SIT327 Network Forensics

SIT384 Cyber Security Analytics

#### Completion Rule

- Must pass 3 unit(s) in {SIT182, SIT282, SIT384}
- Must pass 1 unit(s) in {SIT326, SIT327}

### **EDUCATION (MN-A000066)**

EDU101 Education, Knowledge and Society

EDU102 From Aristotle to Atars: the History, Philosophy and Future of Education

EDU201 Educational Psychology

EDU202 Educators and Learners

EDU203 Literacy, Numeracy and Education

EDU301 Culture, Diversity and Participation in Education

EDU302 Education and Humanitarian Development

EDU303 Education, Communication and Technology

#### Completion Rule

- Must pass 4 credit points in {EDU101, EDU102, EDU201, EDU202, EDU203, EDU301, EDU302, EDU303}

Note(s)

No more than 2 credit points at level 3.

#### EMBEDDED SYSTEMS (MN-S000005)

[SIT122 Robotics Studio](#)

[SIT210 Embedded Systems Development](#)

[SIT225 Data Capture Technologies](#)

[SIT329 Advanced Embedded Systems](#)

Completion Rule

- Must pass all unit(s) in {SIT122, SIT210, SIT225, SIT329}

#### FINANCE (MN-M30005)

[MAF101 Fundamentals of Finance](#)

[MAF202 Money and Capital Markets](#)

[MAF203 Business Finance](#)

[MAF306 International Finance and Investment](#)

[MAF307 Equities and Investment Analysis](#)

Completion Rule

- Must pass 1 unit(s) in {MAF101}
- Must pass 3 unit(s) in {MAF202, MAF203, MAF306, MAF307}

#### FULL STACK DEVELOPMENT (MN-S000012)

[SIT120 Introduction to Responsive Web Apps](#)

[SIT305 Mobile Application Development](#)

[SIT313 Full Stack Development: Secure Frontend Applications](#)

[SIT331 Full Stack Development: Secure Backend Services](#)

Completion Rule

- Must pass all unit(s) in {SIT120, SIT305, SIT313, SIT331}

#### HEALTH ANALYTICS (MN-S000017)

[HBS107 Understanding Health](#)

[HBS108 Health Information and Data](#)

[HSH205 Epidemiology and Biostatistics 1](#)

[HSH216 Epidemiology and Biostatistics 2](#)

Completion Rule

- Must pass 4 unit(s) in {HBS107, HBS108, HSH205, HSH216}

## HUMAN RESOURCE MANAGEMENT (MN-M30012)

[MMH230 Fundamentals of Human Resource Management](#)

[MMH231 Human Resource Practice](#)

[MMH232 Human Resource Development](#)

[MMH349 Employment Relations](#)

[MMM132 Management](#)

### Completion Rule

- Must pass 3 unit(s) in {MMH230, MMH231, MMH232, MMH349}
- Must pass 1 unit(s) in {MMM132}

## INFORMATION TECHNOLOGIES RESEARCH (MN-S000018)

[SIT718 Real World Analytics](#)

[SIT747 Research Project \(Publication\)](#)

[SLE761 Professional Research Practice](#)

### Completion Rule

- Must pass 4 credit points in {SIT718, SIT747, SLE761}

## MARKETING (MN-M30008)

[MMK101 Marketing Fundamentals](#)

[MMK251 Services Marketing](#)

[MMK266 Consumer Behaviour](#)

[MMK295 Integrated Marketing Communications in the Digital Age](#)

[MMK368 Business Marketing](#)

### Completion Rule

- Must pass 1 unit(s) in {MMK101}
- Must pass 3 unit(s) in {MMK251, MMK266, MMK295, MMK368}

## PSYCHOLOGY (MN-S000019)

[HPS104 Foundations of Psychological Science](#)

[HPS111 Introduction to Psychology: Human Behaviour](#)

[HPS201 Psychology Research Methods \(Introductory\)](#)

[HPS301 Psychology Research Methods \(Intermediate\)](#)

### Completion Rule

- Must pass 4 unit(s) in {HPS104, HPS111, HPS201, HPS301}

## RETAIL MANAGEMENT (MN-M30009)

[MIS313 Strategic Supply Chain Management](#)

[MMK101 Marketing Fundamentals](#)

[MMK217 Retail Management](#)

[MMK280 Brand Management](#)

[MMK317 Advanced Retail Management](#)

### Completion Rule

- Must pass 3 unit(s) in {MIS313, MMK217, MMK280, MMK317}
- Must pass 1 unit(s) in {MMK101}

## SECURITY MANAGEMENT (MN-S000003)

[MIS211 Cyber Security and Governance](#)

[MMH356 Change Management](#)

[MMM132 Management](#)

[SIT182 Real World Practices for Cyber Security](#)

[SIT284 Cyber Security Management](#)

### Completion Rule

- Must pass 4 unit(s) in {MIS211, MMH356, MMM132, SIT182, SIT284}

## SPORTS ANALYTICS (MN-S000020)

[HSE010 Exercise and Sport Laboratory Safety](#)

[HSE104 Research Methods and Data Analysis in Exercise and Sport](#)

[HSE202 Biomechanics](#)

[HSE311 Applied Sports Science 1](#)

[HSE314 Applied Sports Science 2](#)

### Completion Rule

- Must pass 5 unit(s) in {HSE010, HSE104, HSE202, HSE311, HSE314}

## SUSTAINABILITY AND ENVIRONMENTAL SCIENCE (MN-S000021)

[SLE101 Environmental Techniques and Monitoring](#)

[SLE121 Environmental Sustainability](#)

[SLE207 Environmental Planning and Impact Assessment](#)

SLE245 Marine Geographic Information Systems

Completion Rule

- Must pass 4 unit(s) in {SLE101, SLE121, SLE207, SLE245}

**VIRTUAL AND AUGMENTED REALITY (MN-S000009)**

SIT183 Interactive Application Design for Virtual and Augmented Reality

SIT253 Content Creation for Interactive Experiences

SIT283 Development for Virtual and Augmented Reality

SIT383 Assembling Virtual and Augmented Reality Experiences

Completion Rule

- Must pass all unit(s) in {SIT183, SIT253, SIT283, SIT383}