

Course Offer Guide

The Course Offer Guide is an integrated tool within the UniSQ Handbook designed to help students plan their studies with confidence. It provides a clear overview of:

- Course availability across the academic year (e.g. Trimester 1, Block 2).
- Delivery mode for each course, whether online, on-campus, or external.
- Campus offerings, showing where each unit is available.

This guide supports informed decision-making by allowing students to explore flexible study options and align their enrolment with personal and academic goals.

Export Information

Details in this file are accurate as at the date of export/printing and are subject to change during the year and from year to year. This document is provided to enable users to make notes and annotations, as needed.

Contents within the Course Offerings section of this document are a condensed version of the UniSQ Handbook. For detailed information, check <https://handbook-guide.unisq.edu.au/program/2026/BITC>.

Once exported, UniSQ will no longer accept this document as a source-of-truth for curriculum content. Users must check with source systems to confirm the accuracy of data after export.

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Sources

- [UniSQ Handbook](#)
- [UniSQ Course Offer Guide](#)
- [UConnect](#)

Legend

Abbreviations used include:

Code	Meaning	Colour
TR1-TR3	Trimester 1-3	-
BL1-BL6	Block 1-6	-
YL1-YL3	Year-long 1-3	-
RES1-RES8	Research 1-8	-
ON	On-campus	UniSQ Gold
OL	Online	UniSQ Dark Plum

Code	Meaning	Colour
EXT	External	UniSQ Fire Sky red
Mixed (e.g. ON / OL)	More than one mode (e.g. On-campus / Online)	UniSQ Soft Pink

BITC - Bachelor of Information Technology

Program Code	BITC
Program Type	Undergraduate
Credit Points	24
UniSQ Handbook	https://handbook-guide.unisq.edu.au/program/2026/BITC
Course Offer Guide	https://course-offer-guide.unisq.edu.au/2026/BITC.html

Program Rules

This program consists of 24 units comprised of:

8 x core units (6 x common core courses, 1 x second year core course, and 1 x third year capstone project)

1 x 8-unit major

And either:

1 x 8-unit second major or

8 x 1-unit elective or

4 x 1-unit University minor and 4 x 1-unit electives

At least 4 courses in the program must be at Level 3 and no more than 10 courses in the program at Level 1.

Note: Students who complete a double major in Software Application Development, and Artificial Intelligence and Data Science OR Software Application Development and Networking and Cyber Security will, as a part of the BITC program, complete one (1) elective course. This is due to a one (1) course overlap in these majors.

Course Offerings

Core Courses (8 Units)

Course	Online			Springfield			Toowoomba		
	TR1	TR2	TR3	TR1	TR2	TR3	TR1	TR2	TR3
MAT1101 - Discrete Mathematics for Computing 1.00 Unit(s) No requisites	OL			ON					
CSC1401 - Foundation Programming 1.00 Unit(s) No requisites	OL		OL	ON		ON	ON		ON
CSC1030 - Systems and Data Management Fundamentals 1.00 Unit(s) Course Anti-requisite: Course Anti-requisite: Course CSC2408	OL			ON			ON		
HAC1000 - The Skilful Communicator 1.00 Unit(s) Course Anti-requisite: Course Anti-requisite: (Course CMS1100 OR Course CMS1000)	OL	OL	OL				ON	ON	
CSC1050 - Network and Security Fundamentals 1.00 Unit(s) No requisites		OL			ON			ON	
CSC1060 - Data Analytics Fundamentals 1.00 Unit(s) No requisites		OL			ON			ON	
CSC3600 - ICT Professional Project 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC2000 Program Requisites: Student should have completed at least 16 courses including six other BITC core courses.	OL		OL	ON		ON	ON		ON
CSC2000 - Planning a Career in the ICT Industry 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC1401 AND (Course CMS1100 OR Course HAC1000)			OL			ON			ON

Major (8 Units)

Students choose one (1) 8-unit major from the following options

Software Application Development

Major (8 Units)

Course	Online			Springfield			Toowoomba		
	TR1	TR2	TR3	TR1	TR2	TR3	TR1	TR2	TR3
CSC1410 - Software Engineering Foundations 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: (Course CSC1401 OR Course CSC1030)		OL			ON			ON	
CSC1420 - Programming 2: Algorithms and Structures 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC1401	OL			ON			ON		
CSC2406 - Web Technology 1: Client Side 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: (Course CSC1401 OR Program UCCC OR Program BSED)	OL			ON					
CSC2402 - Programming 3: Object Oriented 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC1401	OL						ON		
CSC2460 - Database Systems 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC1030			OL			ON			ON
CSC3430 - Systems Servers and DevOps 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC1030 AND (Course CSC1310 OR Course CSC1410)	OL			ON			ON		
CSC3403 - Programming 4: Advanced Paradigms 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: (Course CSC2408 OR Course CSC2402) Requisites Prior to 2024: Anti-requisite - CIS3001			OL			ON			ON
CSC3480 - Web Technology 2: Full Stack 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC2406		OL			ON			ON	

Artificial Intelligence and Data Science

Major (8 Units)

	Online			Springfield			Toowoomba		
Course	TR1	TR2	TR3	TR1	TR2	TR3	TR1	TR2	TR3
STA1003 - Fundamental Statistics 1.00 Unit(s) Course Anti-requisite: Course Anti-requisite: Course STA1004 Requisites Prior to 2024: Enrolment is also not permitted in STA1003 if STA2300 has been previously completed.	OL	OL	OL		ON	ON	ON	ON	
CSC2220 - Artificial Intelligence 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: (Course CSC1401 AND Course MAT1101)	OL			ON			ON		
CSC2230 - Big Data Management and Analytics 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC1060		OL			ON			ON	
CSC2460 - Database Systems 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC1030			OL			ON			ON
CSC3501 - Data Analysis and Visualisation 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: (Course STA3200 OR Course CSC2230)		OL						ON	
STA3200 - Multivariate Statistical Methods 1.00 Unit(s) Course Anti-requisite Course Pre-requisites: Course Anti-requisite: Course STA6100 Course Pre-requisites: (Course STA1003 OR Course STA1004) Requisites Prior to 2024: Enrolment is not permitted in STA3200 if STA8005 has been previously completed Pre- requisite: STA2300 or STA1003 or STA1004 or equivalent as approved by the Examiner		OL							
CSC3250 - Pattern Recognition and Machine Learning 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC2220		OL			ON			ON	
CSC3260 - Data Mining Applications 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: (Course CSC2460 AND Course CSC2220)	OL						ON		

Networking and Cyber Security

Major (8 Units)

Course	Online			Springfield			Toowoomba		
	TR1	TR2	TR3	TR1	TR2	TR3	TR1	TR2	TR3
CSC1310 - Networking 1: Internetworking 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC1050			OL						ON
CSC2320 - Security 1: Cybersecurity Foundations 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC1050		OL			ON			ON	
CSC2330 - Securing Networked Applications 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC1401	OL			ON			ON		
CSC3430 - Systems Servers and DevOps 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC1030 AND (Course CSC1310 OR Course CSC1410)	OL			ON			ON		
CSC3427 - Networking 2: Routing and Switching 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC1310 Requisites Prior to 2024: Pre-requisite: CSC3407			OL			ON			ON
CSC3360 - Networking 3: Wireless Networking and Security 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC1310	OL			ON			ON		
CSC3370 - Security 2: Advanced Security and Security Management 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC2320		OL						ON	

Selective Courses (8 Units)

Students select one of the following options. At least four (4) courses in the program must be at Level 3.

Second 8-unit Major (8 Units)

Students may choose a second major. Note: Students who complete a double major in Software Application Development and Artificial Intelligence and Data Science OR Software Application

Development and Networking and Cyber Security will as a part of the BITC program complete one (1) elective course. This is due to a one (1) course overlap in these majors.

Software Application Development

Major (8 Units)

Course	Online			Springfield			Toowoomba		
	TR1	TR2	TR3	TR1	TR2	TR3	TR1	TR2	TR3
CSC1410 - Software Engineering Foundations 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: (Course CSC1401 OR Course CSC1030)		OL			ON			ON	
CSC1420 - Programming 2: Algorithms and Structures 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC1401	OL			ON			ON		
CSC2406 - Web Technology 1: Client Side 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: (Course CSC1401 OR Program UCCC OR Program BSED)	OL			ON					
CSC2402 - Programming 3: Object Oriented 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC1401	OL						ON		
CSC2460 - Database Systems 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC1030			OL			ON			ON
CSC3430 - Systems Servers and DevOps 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC1030 AND (Course CSC1310 OR Course CSC1410)	OL			ON			ON		
CSC3403 - Programming 4: Advanced Paradigms 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: (Course CSC2408 OR Course CSC2402) Requisites Prior to 2024: Anti-requisite - CIS3001			OL			ON			ON
CSC3480 - Web Technology 2: Full Stack 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC2406		OL			ON			ON	

Artificial Intelligence and Data Science

Major (8 Units)

	Online			Springfield			Toowoomba		
Course	TR1	TR2	TR3	TR1	TR2	TR3	TR1	TR2	TR3
STA1003 - Fundamental Statistics 1.00 Unit(s) Course Anti-requisite: Course Anti-requisite: Course STA1004 Requisites Prior to 2024: Enrolment is also not permitted in STA1003 if STA2300 has been previously completed.	OL	OL	OL		ON	ON	ON	ON	
CSC2220 - Artificial Intelligence 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: (Course CSC1401 AND Course MAT1101)	OL			ON			ON		
CSC2230 - Big Data Management and Analytics 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC1060		OL			ON			ON	
CSC2460 - Database Systems 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC1030			OL			ON			ON
CSC3501 - Data Analysis and Visualisation 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: (Course STA3200 OR Course CSC2230)		OL						ON	
STA3200 - Multivariate Statistical Methods 1.00 Unit(s) Course Anti-requisite Course Pre-requisites: Course Anti-requisite: Course STA6100 Course Pre-requisites: (Course STA1003 OR Course STA1004) Requisites Prior to 2024: Enrolment is not permitted in STA3200 if STA8005 has been previously completed Pre- requisite: STA2300 or STA1003 or STA1004 or equivalent as approved by the Examiner		OL							
CSC3250 - Pattern Recognition and Machine Learning 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC2220		OL			ON			ON	
CSC3260 - Data Mining Applications 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: (Course CSC2460 AND Course CSC2220)	OL						ON		

Networking and Cyber Security

Major (8 Units)

Course	Online			Springfield			Toowoomba		
	TR1	TR2	TR3	TR1	TR2	TR3	TR1	TR2	TR3
CSC1310 - Networking 1: Internetworking 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC1050			OL						ON
CSC2320 - Security 1: Cybersecurity Foundations 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC1050		OL			ON			ON	
CSC2330 - Securing Networked Applications 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC1401	OL			ON			ON		
CSC3430 - Systems Servers and DevOps 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC1030 AND (Course CSC1310 OR Course CSC1410)	OL			ON			ON		
CSC3427 - Networking 2: Routing and Switching 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC1310 Requisites Prior to 2024: Pre-requisite: CSC3407			OL			ON			ON
CSC3360 - Networking 3: Wireless Networking and Security 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC1310	OL			ON			ON		
CSC3370 - Security 2: Advanced Security and Security Management 1.00 Unit(s) Course Pre-requisites: Course Pre-requisites: Course CSC2320		OL						ON	

Electives (8 Units)

Students select 8 x 1-unit free choice electives

Minor and Electives (8 Units)

Students choose 1 x University-wide minor plus 4 x free choice electives

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