

Bachelor of Information Technology (BITC) - BIT

QTAC code (Australian and New Zealand applicants): Springfield campus: 923741; Online: 903745;
Toowoomba campus: 903741

CRICOS code (International applicants): 007490J

	On-campus	Online
Semester intake:	Semester 1 (February) Semester 2 (July)	Semester 1 (February) Semester 2 (July) Semester 3 (November)
Campus:	Springfield, Toowoomba	-
Fees:	Commonwealth supported place Domestic full fee paying place International full fee paying place	Commonwealth supported place Domestic full fee paying place International full fee paying place
Standard duration:	3 years full-time, up to 6 years part-time	

- think critically, constructively and logically about project management principles and tools to plan project completions
- communicate clearly and coherently to present relevant knowledge and ideas to a range of audiences
- identify, collect, analyse and manage information for a broad range of information technology issues and challenges
- demonstrate an understanding of ethical standards and socially responsible information technology practices.

Major objectives

Applied Computer Science major

- recognise the importance of IT service management and demonstrate understanding of the important best practice frameworks
- identify information needs appropriate to their area of specialisation, and apply the techniques required to gather and interpret such information
- demonstrate skills in the analysis and determination of technological issues at management level.

Networking and Security major

On completion of the Networking and Security major, graduates should:

- be able to design, install, confi

If students do not meet the English language requirements they may apply to study a University-approved [English language program](#). On successful completion of the English language program, students may be admitted to an award program.

^ These are determined by the University for specific programs each Semester. The 2018 OP and tertiary entrance ranks are based on agreed QTAC schedules which assess formal study at Year 12 or [equivalent level](#), tertiary, preparatory, professional or vocational qualifications or work experience, as detailed in the QTAC Assessment of Qualifications Manual and QTAC Assessor Guidelines.

Special admissions may help you get into the program of your choice by increasing your Selection Rank. The additional points don't apply to all applicants or all programs. Please read the information about USQ's [Special Admissions](#) carefully to find out what you may be eligible for.

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a [student contribution amount](#), which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the [Course Fee Finder](#).

Commonwealth Supported students may be eligible to defer their fees through a Government loan called [HECS-HELP](#).

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the [Course Fee Finder](#).

Domestic full fee paying students may be eligible to defer their fees through a Government loan called [FEE-HELP](#) provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for [FEE-Help](#).

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, via distance education/online. Students are able to calculate the fees for a particular course via the [Course Fee Finder](#).

Program structure

The Bachelor of Information Technology is comprised of 24 units as below. Students may not complete more than 10 first-year level courses in the Bachelor of Information Technology.

Area of study	Number of units
<p>Core Courses</p> <p>8 core courses comprising:</p> <ul style="list-style-type: none"> ● 5 common courses ● 3 major specific courses^{*#} <p>* Students taking the Information System Development major or Information Technology Management major should choose the additional core approved courses from the defined list.</p> <p># Students taking the Applied Computer Science major, Data Analytics or Networking and Security major must take the nominated list of courses (MAT1101, CSC2406 and CSC3600) as the three additional core approved courses.</p>	8 units

Bachelor of Information Technology major (select one): <ul style="list-style-type: none">● Applied Computer Science● Data Analytics● Information Systems Development● Information Technology Management● Netw	8 units

Applied Computer Science major

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
CSC2401 Algorithms and Data Structures	2	2	
CSC2402 Object-Oriented Programming in C++	1	1	
CSC2404 Operating Systems	2	2	2
CSC2408 Software Development Tools	1, 2	1, 2	1, 2
CSC3400 Database Systems	1	1	1
CSC3403 Comparative Programming Languages	1	1	
CSC3412 System and Security Administration	1	1	1
CSC3426 Web Technology 2	2	2	

Data Analytics major

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
CSC3501 Principles of Data Science and Visualisation[‡]	2	2	2
CSC3502 Principles of Big Data Management[‡]	2	2	2
STA3200 Multivariate Statistical Methods	1		
CSC2410 Computational Thinking with Python[‡]	2	2	2
CSC2408 Software Development Tools	1, 2	1, 2	2
CSC3400 Database Systems	1	1	1
STA2300 Data Analysis	1, 2, 3	1, 2	2
CSC3407 Network Fundamentals and Routing	1	1	1

Footnotes

[‡] This course will be offered at Springfield campus from 2019.

Information Systems Development major

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
CIS1101 Business Online	2, 3	2	2
CIS2000 Systems Analysis and Design	1, 3	1	1

CIS2002 Database Design and Implementation	1, 3	1	1
CIS2003 Component Based Software Development	2	2	
CIS3001 Object-Oriented Programming with Java	1	1	
CIS3003 Networks and Distributed Systems	1	1	1
CIS3007 Enterprise Solutions Project	2	2	
CIS3010 Oracle Development	2	2	

Information Technology Management major

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
CIS1101 Business Online	2, 3	2	2
CIS2000 Systems Analysis and Design	1, 3	1	1
CIS2002 Database Design and Implementation	1, 3	1	1
CIS2005 Principles of Information Security	2	2	2
CIS3003 Networks and Distributed Systems	1	1	1
CIS3008 Information Technology Service Management	1	1	1
CIS3009 Enterprise Systems in Practice	2, 3	2	2
CIS3011 Information Systems Industry Project	2	2	

Networking and Security major

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
CSC2404 Operating Systems	2	2	2
CSC2408 Software Development Tools	1, 2	1, 2	1, 2
CSC3400 Database Systems	1	1	1
CSC3407 Network Fundamentals and Routing	1	1	1
CSC3412 System and Security Administration	1	1	1
	2	2	2

recognised university or institution offering equivalent study. Credit approved in this program will not automatically apply to other programs offered by USQ. Claims for credit for previous study should be submitted prior to or at the time of enrolment. Each claim will be assessed on individual merit in line with USQ policy.

Note: Where credit is granted, maximum and minimum duration will be adjusted in the same proportion as credit, e.g. where 8 units of credit is granted, maximum time will be 6 years and minimum time will be 4 semesters.

Recommended Enrolment Patterns

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Students should plan their enrolment making sure that they have fulfilled all core, major, minor and elective requirements as shown in the program structure information. Enrolment requirements must be satisfied before enrolling in a course.

Recommended Enrolment Pattern - Applied Computer Science

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.


