

BE WHAT YOU WANT TO BE WITH CQU



1300 360 444 www.cqu.edu.au

Bachelor of Information Technology

About Information Technology

IT is a field of study that provides students with future job opportunities and allows the freedom to express creativity and technical talents in a range of new and ever changing mediums.

Increase your versatility and employability with multidisciplinary skills in areas such as graphic design, interface design, usability, information architecture, web development, database development, programming and project management.

Cultivate the generic skills that are demanded by today's employers, such as interpersonal communication, teamwork, conflict-resolution, time-management, problem-solving, critical thinking and creativity.

CQU IT degrees will prepare you for a career in this exciting, fast-moving industry.

Career Opportunities

A career in Information Technology (IT) is fast-paced, challenging and dynamic. IT specialists are sought after in nearly every business or organisation and in a range of employment fields from finance, medicine, arts, education, the military, manufacturing to high-tech business. Job opportunities exist in Internet/web development, network/communication technology, programming, video gaming, data entry, systems analyst, database management, multimedia, data communications expert, software developer, computer technician or security officer.

What our students say...

When Sam Chang Tai Hock was looking for a computing degree, the course content in CQU's Bachelor of Computing (now known at Bachelor of Information Technology) really caught his eye. Sam says the syllabus was just what he was looking for, and he is now working as a software specialist with ST Electronics. His job involves looking after the whole software life cycle for various projects, as well as research and development work. Sam studied for his degree part-time, and says his university experience was challenging and rewarding.



Bachelor of Information Technology CQ18

Duration: 3 years full-time, 6 years part-time or equivalent

Availability:

Domestic - BDG; GLD; MKY; ROK External
International - BNE; GDC; MEL; NZDS; ROK; SYD
External

Courses/Units of Credit: 24 courses/144 units of credit

Faculty: Faculty of Business & Informatics

How To Apply:

Domestic students - QTAC; International students - direct to the University

Entry Requirements:

Domestic students - Prerequisites: English (4, SA);

International students - refer to the international student section

Accreditation:

Australian Computer Society (ACS) - Professional level.

Please note: the ACS accredits each campus individually, therefore students should check the current status of accreditation for newly established locations.

For enquiries concerning eligibility or membership, please refer to the ACS official website:

<http://www.acs.org.au/>

Residential School:

not applicable

Practicum/Work placement:

not applicable

Post Nominal: BIT

Contact:

Program Administrator +61 7 4930 9511 or email paug-inf-fbi@cqu.edu.au

Cricos Codes: 003401C - QLD / 023772K - VIC / 017540K - NSW

Program Aim:

The Information Technology program aims to equip graduates for a professional career in Information Technology. Courses in the first two years of this program provide the student with a solid grounding in the core body of IT knowledge and skills. Courses in the second and third year of the program allow the student to choose an area of specialisation in preparation for employment or further study.

Career Options:

A career in Information Technology (IT) is fast-paced, challenging and dynamic. IT specialists are sought after in nearly every business or organisation and in a range of employment fields from finance, medicine, arts, education, the military, manufacturing to high-tech business. Job opportunities exist in Internet/web development, network/communication technology, programming, video gaming, data entry, systems analyst, database management, multimedia, data communications expert, software developer, computer technician or security officer.

Program Structure:

Program structure for new students commencing from 2008

Students will be able to construct their program based on the prescribed requirements. Students must complete a

total of 24 courses, comprising:

- 12 compulsory courses;
- 1 specialisation (4 courses); and
- 8 electives.

At the discretion of the Dean, a student may graduate by completing all compulsory courses and an approved program of electives that includes 2 or more Advanced IT elective courses.

12 compulsory courses:

Course Code	Course Name
COIS13064	Information Systems Project Management
COIT11118	Conceptual Foundations of Computing
COIT11134	Java Programming
COIT11222	Visual Programming
COIT11223	Ethics and Social Issues
COIT11224	Computing Systems
COIT11225	Data Communications
COIT11226	Systems Analysis & Specification
COIT12137	Objects and Data Structures
COIT12167	Database Use and Design
COIT12200	Systems Design
COMM11003	Professional and Technical Communication

2 specialisations are available:

Course Code	Course Name
Network Services (choose 4 of 5 courses):	
COIT13152	Operating Systems
COIT13146	Systems Administration
COIT13147	Networks
COIT13211	Information Security
COIT13228	Managing & Securing Networks
Applications (choose 4 of 5 courses):	
COIS12036	Human-Computer Interaction
COIT12144	Algorithms and Data Structures
COIT13143	Database Application Development
COIT13224	Internet Application Development
COIT13229	Applied Distributed Systems

8 Electives

Rules governing electives:

- electives may include general electives from other CQU degrees;
- no more than 6 elective courses may be taken outside the Faculty of Business and Informatics;
- no more than 4 electives may be Level 1 courses;
- due to content overlap, students may not take the following course:

MMST12009 Web Application Development

Check the details:

Recommended study schedule

A recommended study schedule for this program can be obtained from your program administrator. Students may determine their own schedule based upon credit transfers and personal study requirements. It is important to note that full-time students usually enrol in 4 courses per term and part-time students usually enrol in 2 courses per term.

Note: students must check to see when and where a course is offered before enrolling. See the course availability section in this handbook for details.

No student will be disadvantaged by the changes to this program.

For Program Planners please refer to the Faculty of Business and Informatics website located at <http://fbi.cqu.edu.au/FCWViewer/view.do?page=1326>.

Computing requirements

You will need access to a computer for your studies. Access to the Internet and email is required. Hardware and software specifications change, so if you are purchasing a computer for your studies, you should purchase the best quality and highest capacity (RAM, hard drive, monitor) that you can afford.

Offshore delivery sites

Programs available at offshore delivery sites are offered with the support of local agents. Students should note that some programs are subject to articulation arrangements with the local institution and that course and program offerings are subject to availability at that particular delivery site.

Transitional arrangements for pre-2008 students:

Existing students may graduate under pre-2008 rules. Transitional arrangements are as follows:

For articulation and graduation purposes the following courses will be deemed as equivalent and both cannot be credited towards the award:

- COIT11166 Systems Analysis & Design is equivalent to COIT11226 Systems Analysis & Specification
- COIT12168 Analysis & Specification is equivalent to COIT12200 Systems Design
- COIT11221 Software Fundamentals is equivalent to COIT11224 Computing Systems
- COIT11133 Programming Fundamentals is equivalent to COIT11222 Visual Programming
- COIT11134 Procedural Programming is equivalent to COIT11134 Java Programming
- COIT12140 Object Oriented Programming OR COIT12137 Java Internet Programming are equivalent to COIT12137 Objects & Data Structures
- COIT12170 Data Communications is equivalent to COIT11225 Data Communications

In addition, COIT13228 Managing & Securing Networks can be used as a course in the pre 2008 BIT Systems Specialisation. COIT13229 Applied Distributed Systems can be used as a replacement for COIT13152 Operating Systems in the pre 2008 Systems Specialisation of the BIT.

In addition, COIT13229 Applied Distributed Systems can be used as a course in the pre 2008 Applications Specialisation of the BIT.

COIT12140 Object Oriented Programming will be offered in 2008 to allow students to complete under the rules governing the 2007 BIT.

Students who started the BIT program in 2007 or earlier must transfer to the 2008 BIT after Term 3 2009.

International students

If you are an international student, or a student who is not an Australian citizen, permanent resident, or New Zealand citizen, contact the Admissions Office in the city you wish to study to receive specific international student information. Visit <http://www.international.cqu.edu.au> for contact details and further information. International students must pay the full cost of their tuition and support and meet all other associated expenses.

English language proficiency requirements

To be eligible for admission to CQU's degree programs, in addition to academic prerequisites, international applicants are required to have an acceptable level of competence in writing, reading, speaking and understanding English.

Generally, students wishing to undertake undergraduate programs are required to have an overall IELTS band score of 6.0 (with no individual band score of less than 5.0), or a TOEFL score of 550 (Internet-based score of 79 or computer-based score of 213), including a TWE of 4.

For further information visit <http://www.international.cqu.edu.au> and click on "Apply to Study with CQU"

Our international student fees are established under the guidelines of the Australian Government with all fees meeting the Department of Education, Science and Training's minimum requirements. As a provider of international education, CQU is registered on the Commonwealth Register of Institutions and Courses for Overseas Students (CRICOS). International students studying in Australia may only enrol in programs that are registered with the government and display a CRICOS code.