

BACHELOR OF INFORMATION TECHNOLOGY

COURSE DESCRIPTION

The Bachelor of Information Technology (BIT) at Gateway Business College is designed to prepare students for the high global demand for skilled IT professionals. The program builds a strong foundation in core IT knowledge before allowing students to specialise in two highly sought-after fields:

- ✦ Application Development
- ✦ Cyber Security.

With a balance of theory and hands-on learning, the degree equips graduates with the skills and attributes required by the IT profession, aligned with international frameworks such as the Seoul Accord, the ACS Core Body of Knowledge, and the Skills Framework for the Information Age (SFIA). Students graduate with the technical expertise, problem-solving abilities, and professional confidence to pursue diverse and rewarding career pathways in the IT sector.

CAREER OUTCOMES

- ✦ Account Manager
- ✦ Application Programmer
- ✦ System Analysts
- ✦ IT Support Engineer
- ✦ Web Developer
- ✦ Quality Assurance Engineer
- ✦ Cyber Security Analyst
- ✦ Systems Engineer
- ✦ Ethical Hacker

PROGRAM OUTCOMES

- ✦ Gain practical experience through real-world IT projects and applications.
- ✦ Be job-ready with applied skills in application development, cyber security, and emerging technologies.
- ✦ Learn directly from industry professionals with expertise across the IT sector.
- ✦ Develop multicultural awareness and global connections to thrive in diverse professional environments.

ACCREDITATION



Recognition under the Australian Qualifications Framework

All courses at Gateway Business College are accredited by TEQSA (Tertiary Education Quality and Standards Agency) and align with the AQF (Australian Qualifications Framework). As Australia's national higher education regulator, TEQSA ensures that qualifications meet rigorous standards.

This accreditation confirms that Gateway Business College delivers high-quality education across its programs, consistent with Australia's Higher Education Standards.

CAREER OUTCOMES:

- ✦ Integrate and apply a broad and coherent knowledge of information technologies, with depth in selected areas of study, to solve a range of practical problems.
- ✦ Demonstrate a broad understanding of theoretical and technical information and processes, and analyse and adapt the latest information technologies with intellectual independence, self-learning capabilities, and creativity to identify and solve real-world ICT problems using sound judgment and decision-making.
- ✦ Demonstrate theoretical and operational skills to solve problems in creative, appropriate, and effective ways that exhibit critical analysis, sound judgment, and intellectual independence, and communicate IT knowledge and ideas clearly and coherently to both technical and non-technical audiences.
- ✦ Apply disciplinary knowledge and skills to produce effective, ethical, socially responsible, and collaborative solutions that consider stakeholder perspectives, relevant contextual information, and professional and industry standards and expectations.
- ✦ Work collaboratively and demonstrate initiative on complex IT projects, applying a range of technical, analytical, managerial, leadership, and interpersonal skills, while showing responsibility and accountability as a lifelong learner for one's own learning and professional practice.
- ✦ Apply evidence-based and theoretical disciplinary and contextual knowledge, along with problem-solving and creative thinking skills, to anticipate challenges and deliver solutions to contemporary IT problems.



COURSE STRUCTURE

Course Duration
Full Time 3 years
Part Time 6 years

Units
24 (20 Core +
4 Electives)

**Full Course
Credit Points**
300

Campuses
Sydney,
Adelaide

IELTS Academic
6.0 (no band
less than 6.0) or
equivalent

**Credit Points
Per Subject**
12.5

Intake
February, May,
September,
November

**Delivery
Mode :**
Face-to-Face

CRICOS Code
106833M



COURSE STRUCTURE

YEAR 1 – CORE UNITS

SUBJECT CODE	SUBJECT NAME	PREREQUISITES
ICT102	Introduction to Programming	None
ICT103	Database Systems	None
ICT104	Mathematics for Computing	None
STA101	Business Statistics	None
ICT106	Object Oriented Programming	ICT102
ICT107	System Analysis & Design	ICT102
ICT108	Introduction to Computer Networks	None
COM101	Business Communications	None

YEAR 2 – CORE UNITS

SUBJECT CODE	SUBJECT NAME	PREREQUISITES
ICT202	Operating Systems	ICT102 - Introduction to Programming
ICT203	Introduction to Cyber Security	None
ICT205	IT Project Management	None
ICT206	ICT Governance & Ethics	None
ICT221	Information Security	None
ICT222	Cyber Security Management	None

YEAR 3 – CORE UNITS

SUBJECT CODE	SUBJECT NAME	PREREQUISITES
ICT321	Digital Forensics	ICT221 – Information Security & ICT222 – Cyber Security Management
ICT323	Ethical Hacking	ICT221 – Information Security & ICT222 – Cyber Security Management
ICT324	Cyber Security Analytics	ICT321 – Digital Forensics & ICT323 – Ethical Hacking
ICT325	Network and Security	ICT221 – Information Security, ICT222– Cyber Security Management, ICT203 – Computer Networks
ICT328	Capstone Project 1 Cyber Security	At least 200 credit points including ICT203, ICT206, ICT221, ICT222
ICT329	Capstone Project 2 Cyber Security	ICT328

ELECTIVES

SUBJECT CODE	SUBJECT NAME	PREREQUISITES
ICT204	Artificial Intelligence	ICT106 – Object Oriented Programming
ICT211	Web Design and Development	ICT102 – Introduction to Programming
ICT212	Human Computer Interaction	ICT211 – Web Design and Development
ICT311	Mobile Application Development	ICT106 – Object Oriented Programming, ICT211
ICT312	Selected Topics in Application Development	None
ICT313	Cloud Application Development	ICT106, ICT203, ICT211, ICT311
ICT314	Advanced Web Application Development	ICT211, ICT212

GENERAL ENTRY

Australian School Leavers

Entry into the Bachelor of Information Technology requires completion of the NSW Higher School Certificate (HSC) or an equivalent qualification, with a minimum Band 2 in English Standard or English EAL/D and a Band 2 in Mathematics Standard 2, along with at least 60% in each relevant subject. For the BIT program, relevant subjects may include a combination of Physics, Mathematics, Chemistry, Biology, and English.

Applicants whose first language is not English must meet Gateway Business College's English language requirements as outlined in Language Requirement section below.

Alternative admission arrangement

Completion of at least one year of an approved tertiary qualification equivalent to AQF Level 5 or higher.

International Students / Students Completing Secondary School Overseas

Entry into the Bachelor of Information Technology requires successful completion of a qualification equivalent to the NSW Higher School Certificate (HSC), with a minimum of 60% in Mathematics or an appropriate quantitative subject. For the BIT program, relevant subjects may include a combination of Physics, Mathematics, Chemistry, Biology, and English.

Applicants whose first language is not English must meet Gateway Business College's English language requirements as outlined in Language Requirement section below.

Alternative admission arrangement

Completion of at least one year of an approved tertiary qualification equivalent to AQF Level 5 or higher.

Special and/or Alternative Entry: (Mature-age applicants and/or those who do not hold their HSC or equivalent)

Applicants without a formal qualification but with appropriate years of relevant work experience will be considered.

Applicants whose first language is not English must meet Gateway Business College's English language requirements as outlined in Language Requirement section below.

Alternative admission arrangement

Skills and knowledge gained through work, life experience, and/or formal training are assessed on a case-by-case basis.

LANGUAGE REQUIREMENTS

No more than two (2) years prior to course commencement.

English language test results must be dated no more than two (2) years prior to the date of application. (Reworded statement, choose one option that aligns closer with requirement)

International Applicants

Applicants must provide evidence of meeting one of the following:

Recognised English Language Tests for Bachelor Degree

- IELTS Academic: Overall 6.0, no band less than 6.0
- PTE Academic: Overall 52, no communicative score less than 52
- TOEFL Internet Based Test: Listening 16, Reading 16, Speaking 18, Writing 21, Overall 67
- Cambridge CAE: Overall score 169, no component less than 169
- Australian Qualification: AQF Level 5 (Diploma or higher)

Prior Study in English

- At least one year of full-time study in a formal qualification delivered and assessed in English at:
 - AQF Level 5 or higher (Bachelor applicants)

Applicants who completed their study more than two years before beginning their course of study at Gateway Business College may still meet English language proficiency requirements if they meet both of the following requirements:

- The applicant has successfully completed (with assessment) a post-secondary qualification that lasted at least three years full time. The instruction and assessment must have been in English.
- The applicant has lived since graduation in Australia or another country where English is the most commonly spoken language. In this case, proof of residency is required at the time of application.

All cases where an applicant has had prior study in English will be evaluated individually. Meeting the above criteria does not guarantee the applicant will meet the English language proficiency criteria.

Citizenship

Applicants will meet the requisite English language requirements if they are citizens of one of the countries listed below and have undertaken:

- Formal secondary or tertiary study of English in the national education system of that country
- Formal study of English at a university recognised by Gateway Business College in that country.

Australia, Botswana, Canada, Fiji, Guyana, Ireland, Jamaica, Kenya, Lesotho, Liberia, Malaysia, New Zealand, Nigeria, Papua New Guinea, Philippines, Samoa, Singapore, Solomon Islands, South Africa, Trinidad & Tobago, United Kingdom, United States of America, Zambia, Zimbabwe, China.

English Language Skills Support

Gateway Business College will provide support for students who require additional assistance, including:

- Academic writing and referencing guides
- One-on-one consultations with academic skills staff
- Optional workshops on academic English conventions
- Independent study resources such as grammar books and worksheets

FEES

Total course fee:

\$54,000 (subject to semesterly payments and review).