



# MASTER OF INFORMATION TECHNOLOGY

|                              |                                                |
|------------------------------|------------------------------------------------|
| CRICOS Code                  | : 116604H                                      |
| Course Duration              | : Full Time: 2 years,<br>Part Time             |
| Units                        | : 16<br>(8 core, 6 specialist & 2 electives)   |
| Credit Points<br>Per Subject | : 12.5                                         |
| Full Course<br>Credit Points | : 200                                          |
| Campuses                     | : Sydney, Adelaide                             |
| IELTS Academic               | : 6.5 (no band less than<br>6.0) or equivalent |
| Delivery Mode                | : Face-to-Face                                 |
| Intake                       | : February, May,<br>September,<br>November     |

## COURSE DESCRIPTION

The Masters of Information Technology (MIT) 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.



### FEES

Total Course Fee:

**\$50,000**

(subject to semesterly payments and review).

## 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

## YEAR 1 – CORE UNITS

| SUBJECT CODE | SUBJECT NAME                            | PREREQUISITES |
|--------------|-----------------------------------------|---------------|
| ICT401       | Programming Fundamentals                | None          |
| ICT402       | Database Design and Development         | None          |
| ICT403       | IT Emerging Technologies and Innovation | None          |
| ICT404       | Systems Analysis & Design               | None          |
| ICT446       | Networking Fundamentals                 | None          |
| ICT412       | IT Project Management                   | None          |
| ICT441       | Applied Artificial Intelligence         | ICT401        |
|              | Electives                               |               |

## YEAR 2 – CORE UNITS

| SUBJECT CODE | SUBJECT NAME                         | PREREQUISITES                             |
|--------------|--------------------------------------|-------------------------------------------|
| ICT513       | Data Analytics & Visualisation       | ICT401                                    |
| ICT522       | Application Modelling & Development  | ICT401, ICT404                            |
| ICT523       | Mobile App Development               | ICT401, Corequisite ICT522                |
| ICT531       | Advanced Web Application Development | ICT523                                    |
| ICT532       | Human Computer Interaction           | ICT401                                    |
| ICT533       | Capstone Project 1                   | Completion of 6 subjects including ICT412 |
| ICT534       | Capstone Project 2                   | ICT533                                    |
|              | Electives                            |                                           |

## ELECTIVES

| SUBJECT CODE | SUBJECT NAME                                   | PREREQUISITES                  |
|--------------|------------------------------------------------|--------------------------------|
| COM445       | Professional Communication                     | None                           |
| BUS448       | Leading Organisational Change-Entrepreneurship | None                           |
| ICT411       | Web Development                                | None                           |
| ICT442       | Data Governance and Ethics                     | None                           |
| ICT443       | Online Markets                                 | None                           |
| ICT536       | Information & Network Security Management      | Co-requisite ICT525 and ICT544 |
| ICT521       | Distributed Systems                            | None                           |

## GENERAL ENTRY

For entry into the Master of Information Technology (MIT) programme, applicants must have successfully completed a Bachelor's degree in any discipline, with the additional requirement that certain prerequisite subjects in Information Technology have also been completed.

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

Applicants with a recent Australian Bachelor's degree (or equivalent / higher qualification) in a relevant field of Information Technology or Computing (a cognate degree) may seek Recognition of Prior learning (Credit) for up to four subjects allowing potential completion of the MIT in twelve subjects or three semesters. Normally only the first four introductory subjects are available for RPL based on prior cognate bachelor's degree study.

## LANGUAGE REQUIREMENTS

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

### International Applicants

Applicants must provide evidence of meeting one of the following:

### **Recognised English Language Tests for Bachelor Degree**

- ✘ IELTS Academic: Overall 6.5, no band less than 6.0
- ✘ PTE Academic: Overall 59, no communicative score less than 52
- ✘ TOEFL Internet Based Test: Listening 16, Reading 16, Speaking 18, Writing 21, Overall 81
- ✘ Cambridge CAE: Overall score 176, no component less than 169
- ✘ Australian Qualification: AQF Level 6 Advanced Diploma/Associate Degree or higher)
- ✘ Prior Study in English
- ✘ At least one year of full-time study in a formal qualification delivered and assessed in English at:
  - o AQF Level 6 or higher (Masters 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.

#### **Sydney**

Suite 5B & 6A, Level 2  
1-17 Elsie Street, Burwood, NSW  
02 9715 3048

#### **Adelaide**

Level 3, 27-35 Currie Street  
Adelaide. 5000 SA  
08 8166 1135

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Trading as Gateway Business College  
marketing@gatewaycollege.edu.au | www.gatewaycollege.edu.au

ABN: 58 153 149 145 | TEQSA PROVIDER NO.: PRV14297 | CRICOS PROVIDER NO.: 03383M