# Master of Information Technology (Domestic students)

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| **Program code** | **Commencing in** |
| 5613 | For Continuing Students Only |

**Available at**

Gold Coast Campus

**Duration**

1.5 to 2 years full-time

4 years part-time

**Credit points**

160

## Degree requirements: Students who started Trimester 3 - 2020

To be eligible for the award of *Master of Information Technology (MIT)*, a student must acquire 160 credit points as prescribed below:

- **Standard pathway:**
  - gain 40 credit points for the core courses
  - gain 50 credit points for the IT foundation courses#
  - gain 40 credit points for a major, or 40 credit points from the no major option
  - gain 30 credit points for free-choice elective courses.
- **Dissertation pathway:**
  - gain 30 credit points for the core courses
  - gain 60 credit points for the IT foundation courses#
  - gain 40 credit points for the Dissertation courses*
  - gain 30 credit points for free-choice elective courses.

To be eligible for the award of *Master of Information Technology (MIT)*, a student admitted with **40 credit points of advanced standing** must acquire 120 credit points as prescribed below:

- **Standard pathway:**
  - gain 40 credit points for the core courses
  - gain 10 credit points for the IT foundation courses#
  - gain 40 credit points for a major, or 40 credit points from the no major option
  - gain 30 credit points for free-choice elective courses.
- **Dissertation pathway:**
  - gain 30 credit points for the core courses
  - gain 20 credit points for the IT foundation courses#
  - gain 40 credit points for the Dissertation courses*
  - gain 30 credit points for free-choice elective courses.

# Based on evidence of courses completed in their undergraduate studies, students may apply to the Program Director for approval to substitute any IT foundation courses with non-foundation ICT courses (subject to meeting any pre-requisite requirements).

* Students must have completed 40 credit points of courses towards the *Master of Information Technology (MIT)* and have a GPA of at least 6.0 prior to enrolment in the Dissertation courses. Enrolment in the Dissertation courses requires pre-approval from the Program Director.

This degree may be awarded **with Distinction** where a student achieves a minimum program GPA of 6.5 with no failed courses. The words "This award was achieved with Distinction" will be recorded on the testamur.

**Exit point**

To be eligible to exit the with the *Graduate Certificate in Information Technology (GCertIT)*, a student must acquire 40 credit points as prescribed below:

- 40 credit points from the following IT foundation courses OR

- 30 credit points from the following IT foundation courses plus 10 credit points for 7011CAL Communication for IT Professionals.

IT foundation courses:

- 7001ICT Programming Principles
- 7611ICT Computer Systems and Cyber Security
- 7002ICT Systems Development
- 7003ICT Database Design
- 7610ICT Application Systems

To exit, a student should apply for a program transfer.

Note: The Graduate Certificate exit point is not available to students admitted to the Masters program with advanced standing.

**Australian Qualifications Framework (AQF) Level and Type**

The Australian Qualifications Framework (AQF) is the national policy for regulated qualifications in Australian education and training. This qualification is accredited as an AQF Level 9 - Masters Degree (Coursework).

## Program learning outcomes
**Program learning outcomes**

Program Learning Outcomes communicate to the community the value of the Griffith educational experience as benchmarked against national qualification standards.

Program Learning Outcomes for this award describe the knowledge, skills and the application of knowledge and skills you will acquire through studying the Griffith program of your choice.

## Course list: Students starting Trimester 3 - 2020
**Course offering information in program structures is a guide only. Please check the actual offering information in the Course Catalogue.**

**Program options**

You must select one of the following options:

| Trimester | Course code | Requirement | Course title | CP |
|-----------|-------------|-------------|--------------|-----|
| Tri 3 | | | Standard pathway | 160 |
| | | | **OR** | |
| Tri 3 | | | Dissertation pathway | 160 |

**Standard pathway**

You must complete the following courses:

| Trimester | Course code | Requirement | Course title | CP |
|-----------|-------------|-------------|--------------|-----|
| Tri 1,2 or 3 | 7011CAL | | Communication for IT Professionals | 10 |
| | | | **OR** | |
| Tri 1,2 | | | Free-choice elective   (see Note 1) | 10 |
| Tri 1 | 7101ICT | | The Ethical Technologist   (not offered from 2024) | 10 |
| | | | **OR** | |
| Tri 2,3 | 7907ICT | | IT and Cyber Security Governance, Policy, Ethics and Law | 10 |
| Tri 1,2 | 7821ICT | | Work Integrated Learning - Single Project | 20 |
| | | | **OR** | |
| Tri 1,2 | 7822ICT | | Work Integrated Learning - Placement | 20 |

Note 1: Domestic students and International students with IELTS writing score greater than or equal to 7 can replace this course with a free-choice elective.

You must complete the following foundation courses:

| Trimester | Course code | Requirement | Course title | CP |
|-----------|-------------|-------------|--------------|----|
| Tri 1,2 | 7001ICT | | Programming Principles | 10 |
| Tri 1,3 | 7611ICT | | Computer Systems and Cyber Security | 10 |
| Tri 2,3 | 7002ICT | | Systems Development   (not offered from 2024) | 10 |
| | | | **OR** | |
| Tri 1 | 7808ICT | | Project and Cyber Security Management | 10 |
| Tri 2 | 7610ICT | | Application Systems | 10 |
| Tri 1,2,3 | 7003ICT | | Database Design | 10 |

You must complete the following:

| Trimester | Course code | Requirement | Course title | CP |
|-----------|-------------|-------------|--------------|----|
| Tri 1,2 or 3 | | | Information Technology major | 40 |
| | | | **OR** | |
| Tri 1,2 or 3 | | | Information Technology courses (for students electing to not complete a major) | 40 |
| Tri 1,2 or 3 | | | Free-choice electives | 30 |

**Dissertation pathway**

**Year 1**

Students must complete the following courses:

| Trimester | Course code | Requirement | Course title | CP |
|-----------|-------------|-------------|--------------|----|
| Tri 2 | 7610ICT | | Application Systems | 10 |
| Tri 3 | 7011CAL | | Communication for IT Professionals | 10 |
| | | | **OR** | |
| Tri 1,2 or 3 | | | Free-choice elective   (see Note 2) | 10 |
| Tri 2,3 | 7002ICT | | Systems Development   (not offered from 2024) | 10 |
| | | | **OR** | |
| Tri 1 | 7808ICT | | Project and Cyber Security Management | 10 |
| Tri 1,3 | 7611ICT | | Computer Systems and Cyber Security   (see Note 1) | 10 |

Note 1: Students commencing the Master of Information Technology in Trimester 3 are advised to enrol in the intensive offering of 7611ICT.

Note 2: Domestic students and International students with IELTS writing score greater than or equal to 7 can replace this course with a free-choice elective.

**Year 2**

Students must complete the following courses:

| Trimester | Course code | Requirement | Course title | CP |
|---|---|---|---|---|
| Tri 1,2 | 7001ICT | | Programming Principles | 10 |
| Tri 1 | 7101ICT | | The Ethical Technologist   (not offered from 2024) | 10 |
| | | | **OR** | |
| Tri 2,3 | 7907ICT | | IT and Cyber Security Governance, Policy, Ethics and Law | 10 |
| Tri 1 | 7113ICT | | Research for IT Professionals   (see Note 2) | 10 |
| Tri 1 | | | Free-choice elective   (see Note 1) | 10 |
| Tri 1,2,3 | 7003ICT | | Database Design | 10 |
| Tri 1,2 | | | Free-choice electives   (see Note 1) | 20 |
| Tri 1 | 7820ICT_P1 | | Work Integrated Learning Part 1   (not offered from 2019) | 10 |
| | | | **AND** | |
| Tri 2 | 7820ICT_P2 | | Work Integrated Learning Part 2   (not offered from 2019) | 10 |
| | | | **OR** | |
| Tri 1,2 | 7821ICT | | Work Integrated Learning - Single Project | 20 |
| | | | **OR** | |
| Tri 1,2 | 7822ICT | | Work Integrated Learning - Placement | 20 |

Note 1: Students are asked to note the prerequisite requirements for the chosen free-choice elective courses.

Note 2: Students completing the dissertation pathway must complete 7113ICT as a free-choice elective course option.

**Year 3**

Students must complete the following courses:

| Trimester | Course code | Requirement | Course title | CP |
|---|---|---|---|---|
| Tri 1 | 7590ICT_P1 | | Dissertation   (see Note 1) | 10 |
| Tri 1 | 7590ICT_P2 | | Dissertation   (see Note 1) | 10 |
| Tri 1 | 7590ICT_P3 | | Dissertation   (see Note 1) | 10 |
| Tri 1 | 7590ICT_P4 | | Dissertation   (see Note 1) | 10 |

Note 1: A co-requisite/pre-requisite for 7590ICT_P1 is 7113ICT which is completed as a free-choice elective course option. Also, students must have completed 40 credit points of courses towards the Master of Information Technology and have a GPA of at least 6.0 prior to enrolment in the Dissertation courses. Students must complete components 7590ICT_P1, 7590ICT_P2, 7590ICT_P3 and 7590ICT_P4 in numerical order. A grade will be awarded on successful completion of 7590ICT_P4. Enrolment in the Dissertation courses requires pre-approval from the Program Director.

## Majors (5 available)
## Data Analytics

To satisfy the prerequisite requirement for some of the courses in this major you must complete or have received credit for the following foundation courses:

| Trimester | Course code | Requirement | Course title | CP |
|---|---|---|---|---|
| Tri 1,2,3 | 7003ICT | | Database Design | 10 |

You must complete 40 credit points from the following courses with at least 20 credit points from Advanced Courses:

| Trimester | Course code | Requirement | Course title | CP |
|---|---|---|---|---|
| Tri 2 | 7030ICT | | Introduction to Big Data Analytics | 10 |
| Tri 2 | 7230ICT | | Big Data Analytics and Social Media | 10 |

**Advanced courses**

| Trimester | Course code | Requirement | Course title | CP |
|---|---|---|---|---|
| Tri 1 | 7130ICT | | Data Analytics   (not offered from 2024) | 10 |
| | | | **OR** | |
| Tri 1 | 7008ICT | | Data Processing and Visualisation | 10 |
| Tri 2 | 7031ICT | | Applied Data Mining | 10 |
| Tri 2 | 7623ICT | | Secure Development Operations | 10 |

## Enterprise Architecture (Nathan)

Depending on the prerequisite requirements of the courses you intend to study in this major, To undertake this major you must complete or have received credit for two or more of the relevant foundation courses (to decide which courses to complete, you must carefully check prerequisites):

| Trimester | Course code | Requirement | Course title | CP |
|---|---|---|---|---|
| Tri 2 | 7610ICT | | Application Systems | 10 |
| Tri 2,3 | 7002ICT | | Systems Development   (not offered from 2024) | 10 |
| | | | **OR** | |
| Tri 1 | 7808ICT | | Project and Cyber Security Management | 10 |
| Tri 1,2 | 7001ICT | | Programming Principles | 10 |

You must undertake the following courses:

| Trimester | Course code | Requirement | Course title | CP |
|---|---|---|---|---|
| Tri 1 | 7301ICT | | Enterprise Architecture Concepts | 10 |
| Tri 2 | 7302ICT | | Enterprise Architecture Applications | 10 |

You must complete 20 credit points from the following courses:

| Trimester | Course code | Requirement | Course title | CP |
|---|---|---|---|---|
| Tri 2 | 7103ICT | | Business Analysis | 10 |
| Tri 1 | 7812ICT | | Agile Business Analysis | 10 |
| Tri 2 | 7810ICT | | Software Technologies | 10 |
| Tri 2 | 7805ICT | | System and Software Design | 10 |

## Information Systems and Business Analysis

To satisfy the prerequisite requirement for some of the courses in this major you must complete or have received credit for the following foundation courses:

| Trimester | Course code | Requirement | Course title | CP |
|---|---|---|---|---|
| Tri 2,3 | 7002ICT | | Systems Development | 10 |
| Tri 2 | 7610ICT | | Application Systems | 10 |

You must complete the following courses:

| Trimester | Course code | Requirement | Course title | CP |
|---|---|---|---|---|
| Tri 2 | 7103ICT | | Business Analysis | 10 |
| Tri 1 | 7806ICT | | IT Services Management | 10 |
| Tri 1 | 7807ICT | | IT/Business Alignment   (not offered from 2022) | 10 |
| | | | **OR** | |
| Tri 1 | 7301ICT | | Enterprise Architecture Concepts | 10 |
| Tri 1 | 7812ICT | | Agile Business Analysis | 10 |

## Networking and Security

To satisfy the prerequisite requirement for some of the courses in this major you must complete or have received credit for the following foundation courses:

| Trimester | Course code | Requirement | Course title | CP |
|---|---|---|---|---|
| Tri 1,3 | 7611ICT | | Computer Systems and Cyber Security | 10 |

You must complete 40 credit points from the following courses with at least 20 credit points from Advanced Courses:

| Trimester | Course code | Requirement | Course title | CP |
|---|---|---|---|---|
| Tri 1 | 7905ICT | | Fundamentals of Cyber Security | 10 |
| Tri 2 | 7906ICT | | Digital Investigations | 10 |
| Tri 2 | 7502ICT | | Fundamentals of Blockchain and Distributed Ledger Technology   (offered at Gold Coast) | 10 |

**Advanced courses**

| Trimester | Course code | Requirement | Course title | CP |
|---|---|---|---|---|
| Tri 1 | 7808ICT | | Project and Cyber Security Management | 10 |
| Tri 1 | 7809ICT | | Offensive Cyber Security | 10 |
| Tri 2 | 7623ICT | | Secure Development Operations | 10 |
| Tri 2 | 7004ICT | | Data Communication | 10 |

## Software Development and Support

To satisfy the prerequisite requirement for some of the courses in this major you must complete or have received credit for the following foundation courses:

| Trimester | Course code | Requirement | Course title | CP |
|---|---|---|---|---|
| Tri 1,2 | 7001ICT | | Programming Principles | 10 |
| Tri 1,2,3 | 7003ICT | | Database Design | 10 |

You must complete the following course:

| Trimester | Course code | Requirement | Course title | CP |
|---|---|---|---|---|
| Tri 1 | 7806ICT | | IT Services Management | 10 |

You must complete 30 credit points from the following courses:

| Trimester | Course code | Requirement | Course title | CP |
|---|---|---|---|---|
| Tri 2 | 7810ICT | | Software Technologies | 10 |
| Tri 2 | 7805ICT | | System and Software Design   (not offered from 2026) | 10 |
| | | | **OR** | |
| Tri 2 | 7010ICT | | Object Oriented Software Development   (offered from 2025) | 10 |
| Tri 2 | 7623ICT | | Secure Development Operations | 10 |
| Tri 1 | 7421ICT | | Mobile Device Software Development | 10 |
| Tri 2 | 7005ICT | | Programming Principles 2 | 10 |
| Tri 2 | 7004ICT | | Data Communication | 10 |

## No Major Option (1 available)
## Information Technology (for students not completing a major)

You must complete 40 credit points from the following courses and at least 20 credit points must be Advanced ICT courses.

**Introductory ICT courses**

| Trimester | Course code | Requirement | Course title | CP |
|-----------|-------------|-------------|--------------|----|
| Tri 2 | 7230ICT | | Big Data Analytics and Social Media | 10 |
| Tri 2 | 7004ICT | | Data Communication | 10 |
| Tri 2 | 7030ICT | | Introduction to Big Data Analytics | 10 |
| Tri 1 | 7113ICT | | Research for IT Professionals | 10 |
| Tri 1 | 7905ICT | | Fundamentals of Cyber Security | 10 |
| Tri 2 | 7906ICT | | Digital Investigations | 10 |
| Tri 1 | 7806ICT | | IT Services Management | 10 |
| Tri 2 | 7502ICT | | Fundamentals of Blockchain and Distributed Ledger Technology   (offered at Gold Coast) | 10 |
| Tri 3 | 7006ICT | | Introduction to Artificial Intelligence | 10 |

**Advanced ICT courses**

| Trimester | Course code | Requirement | Course title | CP |
|-----------|-------------|-------------|--------------|----|
| Tri 2 | 7005ICT | | Programming Principles 2 | 10 |
| Tri 2 | 7031ICT | | Applied Data Mining | 10 |
| Tri 2 | 7103ICT | | Business Analysis | 10 |
| Tri 2 | 7114IBA | | Information Management and Control   (offered at Nathan) | 10 |
| Tri 1 | 7130ICT | | Data Analytics | 10 |
| Tri 1 | 7301ICT | | Enterprise Architecture Concepts | 10 |
| Tri 2 | 7302ICT | | Enterprise Architecture Applications | 10 |
| Tri 1 | 7421ICT | | Mobile Device Software Development | 10 |
| Tri 2 | 7623ICT | | Secure Development Operations | 10 |
| Tri 2 | 7805ICT | | System and Software Design | 10 |
| Tri 1 | 7808ICT | | Project and Cyber Security Management | 10 |
| Tri 1 | 7809ICT | | Offensive Cyber Security | 10 |
| Tri 2 | 7810ICT | | Software Technologies | 10 |
| Tri 1 | 7812ICT | | Agile Business Analysis | 10 |
| Tri 1,2 or 3 | | | Any other advanced ICT course   (an advanced course is one with a pre-/co-requisite) | 10 |

## Electives (1 available)
## Recommended free-choice electives

You may select free-choice electives from the list below or electives may be chosen at a Masters level from another School. You must ensure that prerequisites are met.

| Trimester | Course code | Requirement | Course title | CP |
|---|---|---|---|---|
| Tri 2 | 7005ICT | | Programming Principles 2 | 10 |
| Tri 3 | 7006ICT | | Introduction to Artificial Intelligence | 10 |
| Tri 2 | 7031ICT | | Applied Data Mining | 10 |
| Tri 2 | 7103ICT | | Business Analysis | 10 |
| Tri 2 | 7114IBA | | Information Management and Control   (offered at Nathan) | 10 |
| Tri 1 | 7130ICT | | Data Analytics | 10 |
| Tri 1 | 7301ICT | | Enterprise Architecture Concepts | 10 |
| Tri 2 | 7302ICT | | Enterprise Architecture Applications | 10 |
| Tri 1 | 7421ICT | | Mobile Device Software Development | 10 |
| Tri 2 | 7502ICT | | Fundamentals of Blockchain and Distributed Ledger Technology   (offered at Gold Coast) | 10 |
| Tri 1 | 7506ICT | | Industrial Applications of Blockchain | 10 |
| Tri 2 | 7623ICT | | Secure Development Operations | 10 |
| Tri 2 | 7805ICT | | System and Software Design | 10 |
| Tri 1 | 7808ICT | | Project and Cyber Security Management | 10 |
| Tri 1 | 7809ICT | | Offensive Cyber Security | 10 |
| Tri 2 | 7810ICT | | Software Technologies | 10 |
| Tri 1 | 7812ICT | | Agile Business Analysis | 10 |
| Tri 2 | 7004ICT | | Data Communication | 10 |
| Tri 2 | 7030ICT | | Introduction to Big Data Analytics | 10 |
| Tri 1 | 7113ICT | | Research for IT Professionals | 10 |
| Tri 1 | 7905ICT | | Fundamentals of Cyber Security | 10 |
| Tri 2 | 7906ICT | | Digital Investigations | 10 |
| Tri 1 | 7806ICT | | IT Services Management | 10 |
| Tri 2,3 | 7907ICT | | IT and Cyber Security Governance, Policy, Ethics and Law | 10 |
| Tri 2 | 7055CCJ | | Understanding and Preventing Cyber Fraud | 10 |
| Tri 2 | 7040IBA | | Managing Digital Systems | 10 |
| Tri 1,2 | 7011CAL | | Communication for IT Professionals   (see Note 1) | 10 |
| Tri 1 | 7340AFE | | Financial Crime Regulation and Compliance | 10 |
| Tri 1 | 7152AFE | | Forensic Accounting, Fraud and Investigation | 10 |

Note 1: International students with an IELTS overall band score below 7 or equivalent are strongly advised to undertake this course as a free-choice elective.