



## Master of Information Technology (International students)

### Program code

5613

### Available at

Gold Coast Campus

### Duration

1.5 to 2 years full-time

### Credit points

160

### Commencing in

For Continuing Students Only

### 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
			<b>OR</b>	
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
			<b>OR</b>	
Tri 1,2			Free-choice elective (see Note 1)	10
Tri 1	7101ICT		The Ethical Technologist (not offered from 2024)	10
			<b>OR</b>	
Tri 2,3	7907ICT		IT and Cyber Security Governance, Policy, Ethics and Law	10
Tri 1,2	7821ICT		Work Integrated Learning - Single Project	20
			<b>OR</b>	
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
			<b>OR</b>	
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
			<b>OR</b>	
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
			<b>OR</b>	
Tri 1,2 or 3			Free-choice elective (see Note 2)	10
Tri 2,3	7002ICT		Systems Development (not offered from 2024)	10
			<b>OR</b>	
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
			<b>OR</b>	
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
			<b>AND</b>	
Tri 2	7820ICT_P2		Work Integrated Learning Part 2 (not offered from 2019)	10
			<b>OR</b>	
Tri 1,2	7821ICT		Work Integrated Learning - Single Project	20
			<b>OR</b>	
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
			<b>OR</b>	
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
			<b>OR</b>	
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
			<b>OR</b>	
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
			<b>OR</b>	
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.