



Bachelor of Intelligent Digital Technologies (Domestic students)

Program code

1596

Commencing in

For Continuing Students Only

Available at

Gold Coast Campus, Nathan Campus

Duration

3 years full-time

6 years part-time

Credit points

240

Degree requirements: Students who started Trimester 1 - 2023

For Domestic and those International students not required to complete the English Language Enhancement course

For the award of *Bachelor of Intelligent Digital Technology (BIntelDigitalTech)*, you must successfully complete 240 credit points, made up of the core courses AND

- 60 credit points for one major **OR**;
- if you elect not to complete a major, you will complete 60 credit points from the **No Major Option list**; **AND**
- 40 credit points of free-choice electives
- OR
- 100 credit points for two majors

Other program requirements

You must successfully complete:

- no more than 100 credit points of Level 1 courses (the first digit of a course code denotes the level);
- at least 60 credit points of Level 3 courses or higher.

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.

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 7 - Bachelor Degree.

English Language Enhancement

Domestic students enrolled in this program whose first language is not English may complete the following **English Language Enhancement Course** as an elective.

- **5903LHS Language and Communication for Sciences**

Students whose first language is English are not permitted to undertake this course.

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 1 - 2023

Course offering information in program structures is a guide only. Please check the actual offering information in the Course Catalogue.

Note: Students must check the prerequisite and incompatible requirements before selecting any course within this program.

Students required to undertake the English Language Enhancement course must complete 5903LHS in their first trimester of study.

The English Language Enhancement course is to be taken in place of a Free-choice elective in your program.

| Trimester | Course code | Requirement | Course title | CP |
|--------------|-------------|---------------------|---|----|
| Tri 1,2 or 3 | 5903LHS | English Enhancement | Language and Communication for Sciences | 10 |

Year 1

You must complete the following courses:

| Trimester | Course code | Requirement | Course title | CP |
|-----------|-------------|-----------------|---|----|
| Tri 1 | 1611ICT | Core to Program | Emerging Technologies (not offered from 2024) | 10 |
| | | | OR | |
| Tri 2 | 1011ICT | Core to Program | Applied Computing | 10 |
| Tri 1 | 1711ICT | Core to Program | Introduction to Robotics (not offered from 2024) | 10 |
| | | | OR | |
| Tri 1,3 | 1007ICT | Core to Program | Computer Systems and Cyber Security | 10 |
| Tri 1,3 | 1022ENG | Core to Program | Engineering Design Practice | 10 |
| Tri 1,3 | | | Free-choice elective | 10 |
| | | | OR | |
| Tri 1,3 | | | Second Major course (for students taking two majors) (see Note 2) | 10 |
| Tri 2,3 | 1802ICT | Core to Program | Foundations of Systems Development (not offered from 2025) | 10 |
| | | | OR | |
| Tri 2 | 2006ICT | Core to Program | Object Oriented Software Development (offered from 2025) | 10 |
| Tri 1 | 1701ICT | Core to Program | Creative Coding | 10 |
| Tri 2 | 1805ICT | Core to Program | Human Computer Interaction (not offered from 2024) | 10 |
| | | | OR | |
| Tri 1 | 2008ICT | Core to Program | Design Thinking in IT (offered from 2025) | 10 |
| Tri 2,3 | | | Free-choice elective | 10 |
| | | | OR | |
| Tri 2,3 | | | Second Major course (for students taking two majors) (see Note 2) | 10 |

Note 1: Students who are required to complete 5903LHS must complete this course in place of a free-choice elective. Students who are not required to complete 5903LHS are not allowed to select 5903LHS.

Note 2: Students undertaking Double major should consult with the program director regarding study plan.

Year 2

You must complete the following courses:

| Trimester | Course code | Requirement | Course title | CP |
|--------------|-------------|-----------------|--|----|
| Tri 1,2,3 | 2814ICT | Core to Program | Data Management | 10 |
| Tri 1 | 2701ICT | Core to Program | Interactive App Development (not offered from 2025) | 10 |
| Tri 1,2 or 3 | | | Major course | 10 |
| | | | OR | |
| Tri 1,2 or 3 | | | No Major Option course (for students electing to not complete a major) | 10 |
| Tri 1,2 or 3 | | | Major course | 10 |
| | | | OR | |
| Tri 1,2 or 3 | | | No Major Option course (for students electing to not complete a major) | 10 |
| Tri 1,2 or 3 | 2043MKT | Core to Program | Entrepreneurship and New Business Ventures (not offered from 2020) | 10 |
| | | | OR | |
| Tri 1,2 or 3 | 2043IBA | Core to Program | Innovation, Creativity and Entrepreneurship | 10 |
| Tri 1,2 or 3 | | | Major course | 10 |
| | | | OR | |
| Tri 1,2 or 3 | | | No Major Option course (for students electing to not complete a major) | 10 |
| Tri 1,2 or 3 | | | Major course | 10 |
| | | | OR | |
| Tri 1,2 or 3 | | | No Major Option course (for students electing to not complete a major) | 10 |
| Tri 2 | 2030ICT | Core to Program | Introduction to Big Data Analytics | 10 |

Year 3

You must complete the following courses:

| Trimester | Course code | Requirement | Course title | CP |
|--------------|-------------|-----------------|--|----|
| Tri 1 | 3410ICT | Core to Program | The Ethical Technologist (not offered from 2026) | 10 |
| | | | OR | |
| Tri 1 | 2007ICT | Core to Program | Cyber Security Standards and Operations (offered from 2026) | 10 |
| Tri 1 | 3705ICT | Core to Program | Virtual and Augmented Reality (not offered from 2026) | 10 |
| Tri 1 | 3820ICT_P1 | Core to Program | Work Integrated Learning Part 1 (capstone course) | 10 |
| | | | AND | |
| Tri 2 | 3820ICT_P2 | Core to Program | Work Integrated Learning Part 2 (capstone course) | 10 |
| | | | OR | |
| Tri 1,2 | 3821ICT | Core to Program | Work Integrated Learning - Single Project | 20 |
| | | | OR | |
| Tri 1,2 | 3822ICT | Core to Program | Work Integrated Learning - Placement | 20 |
| Tri 1,2 or 3 | | | Major course | 10 |
| | | | OR | |
| Tri 1,2 or 3 | | | No Major Option course (for students electing to not complete a major) | 10 |
| Tri 1,2 or 3 | | | Major course | 10 |
| | | | OR | |
| Tri 1,2 or 3 | | | No Major Option course (for students electing to not complete a major) | 10 |
| Tri 1,2 or 3 | | | Free-choice electives | 20 |
| | | | OR | |
| Tri 1,2 or 3 | | | Second Major course (for students taking two majors) (see Note 2) | 20 |

Note 2: Students undertaking Double major should consult with the program director regarding study plan.

Majors (2 available)

IoT and Robotics

You must complete the following course:

| Trimester | Course code | Requirement | Course title | CP |
|-----------|-------------|---------------|--------------------------------|----|
| Tri 1 | 2905ICT | Core to Major | Fundamentals of Cyber Security | 10 |

You must complete the following courses:

| Trimester | Course code | Requirement | Course title | CP |
|-----------|-------------|---------------|---|----|
| Tri 1,2 | 2807ICT | Core to Major | Programming Principles | 10 |
| Tri 2 | 2809ICT | Core to Major | Computer Networking Essentials | 10 |
| Tri 1 | 4030ICT | Core to Major | Big Data Analytics and Social Media (not offered from 2023) | 10 |
| | | | OR | |
| Tri 1,2,3 | 3032ICT | Core to Major | Big Data Analytics and Social Media | 10 |
| Tri 2 | 3706ICT | Core to Major | Sensor Networks (not offered from 2023) | 10 |
| | | | OR | |
| Tri 2 | 3707ICT | Core to Major | Home Automation and Robotics | 10 |
| Tri 1 | 3701ICT | Core to Major | Mobile Application Development | 10 |

Programming for Visualisation and Entertainment

You must complete the following course:

| Trimester | Course code | Requirement | Course title | CP |
|-----------|-------------|---------------|--------------------------------|----|
| Tri 1 | 2905ICT | Core to Major | Fundamentals of Cyber Security | 10 |

You must complete 50 credit points from the following courses:

| Trimester | Course code | Requirement | Course title | CP |
|-----------|-------------|-------------------|---|----|
| Tri 1,2 | 2807ICT | Elective to Major | Programming Principles | 10 |
| Tri 2 | 2810ICT | Elective to Major | Software Technologies | 10 |
| Tri 1 | 2702ICT | Elective to Major | Intelligent Media Systems (not offered from 2025) | 10 |
| | | | OR | |
| Tri 1 | 3003ICT | Elective to Major | Programming for Robotics (offered from 2026) | 10 |
| Tri 1 | 3614QCA | Elective to Major | Experimental Media (not offered from 2023) | 10 |
| Tri 2 | 3702ICT | Elective to Major | Games Development | 10 |
| | | | OR | |
| Tri 2 | 3642QCA | Elective to Major | Experimental and Generative Design (offered from 2026) | 10 |
| Tri 1 | 4030ICT | Elective to Major | Big Data Analytics and Social Media (not offered from 2023) | 10 |
| | | | OR | |
| Tri 1,2,3 | 3032ICT | Elective to Major | Big Data Analytics and Social Media | 10 |
| | | | OR | |
| Tri 2 | 3813ICT | Elective to Major | Software Frameworks | 10 |
| Tri 2 | 3723ICT | Elective to Major | Interaction Design | 10 |

No Major Option (1 available)**No Major Option (for students not completing a major)**

You must complete the following course:

| Trimester | Course code | Requirement | Course title | CP |
|-----------|-------------|---------------|--------------------------------|----|
| Tri 1 | 2905ICT | Core to Major | Fundamentals of Cyber Security | 10 |

You must complete 50 credit points from the following courses, with at least 30 credit points of third year (or above) courses:

| Trimester | Course code | Requirement | Course title | CP |
|-----------|-------------|-------------------|---|----|
| Tri 1 | 2702ICT | Elective to Major | Intelligent Media Systems (not offered from 2025) | 10 |
| | | | OR | |
| Tri 1 | 3003ICT | Elective to Major | Programming for Robotics (offered from 2026) | 10 |
| Tri 1,2 | 2807ICT | Elective to Major | Programming Principles | 10 |
| | | | OR | |
| Tri 1,2 | 1811ICT | Elective to Major | Programming Principles (offered from 2025) | 10 |
| Tri 2 | 2809ICT | Elective to Major | Computer Networking Essentials | 10 |
| Tri 2 | 2810ICT | Elective to Major | Software Technologies | 10 |
| Tri 1 | 3701ICT | Elective to Major | Mobile Application Development | 10 |
| Tri 2 | 3706ICT | Elective to Major | Sensor Networks (not offered from 2023) | 10 |
| | | | OR | |
| Tri 2 | 3707ICT | Elective to Major | Home Automation and Robotics | 10 |
| Tri 1 | 3614QCA | Elective to Major | Experimental Media (not offered from 2023) | 10 |
| Tri 2 | 3702ICT | Elective to Major | Games Development | 10 |
| | | | OR | |
| Tri 2 | 3642QCA | Elective to Major | Experimental and Generative Design | 10 |
| Tri 2 | 3813ICT | Elective to Major | Software Frameworks | 10 |
| Tri 2 | 3723ICT | Elective to Major | Interaction Design | 10 |
| Tri 1 | 4030ICT | Elective to Major | Big Data Analytics and Social Media (not offered from 2023) | 10 |
| | | | OR | |
| Tri 1,2,3 | 3032ICT | Elective to Major | Big Data Analytics and Social Media | 10 |

Electives (1 available)**Free-choice electives**

You may select free-choice electives from the list below or any **Undergraduate free-choice elective/s** offered across the University provided pre-requisites are met. You must ensure that you do not exceed the maximum of Level 1 courses (100 credit points) in your entire program. If you require guidance please liaise with your Program Director.

| Trimester | Course code | Requirement | Course title | CP |
|-----------|-------------|----------------------|--|----|
| Tri 1 | 1004ICT | Free-choice Elective | Professional Practice in Information Technology | 10 |
| Tri 2,3 | 1803ICT | Free-choice Elective | Application Systems | 10 |
| Tri 1,3 | 1010ENG | Free-choice Elective | Engineering Mathematics 1 | 10 |
| Tri 1 | 1018ENG | Free-choice Elective | Engineering Science | 10 |
| Tri 2 | 1704ENG | Free-choice Elective | Electrics and Electronics for Designers | 10 |
| Tri 2,3 | 1301ENG | Free-choice Elective | Electric Circuits | 10 |
| Tri 1 | 2806ICT | Free-choice Elective | IT Services Management | 10 |
| Tri 2 | 2808ICT | Free-choice Elective | Secure Development Operations | 10 |
| Tri 2 | 2703ICT | Free-choice Elective | Web Application Development (not offered from 2026) | 10 |
| Tri 1 | 3003ICT | Free-choice Elective | Programming for Robotics (offered from 2026) | 10 |
| Tri 2 | 2511ICT | Free-choice Elective | Business Analysis | 10 |
| Tri 2 | 3043IBA | Free-choice Elective | Digital Innovation (offered from 2025) | 10 |
| Tri 2 | 3118ENG | Free-choice Elective | Digital and Spatial Technologies | 10 |
| Tri 1 | 3807ICT | Free-choice Elective | IT/Business Alignment (not offered from 2022) | 10 |
| Tri 1 | 3812ICT | Free-choice Elective | Agile Business Analysis | 10 |
| Tri 2 | 3810ICT | Free-choice Elective | Information Systems Architecture (not offered from 2026) | 10 |
| Tri 1 | 3808ICT | Free-choice Elective | Routing and Internetworking (not offered from 2026) | 10 |
| Tri 1 | 3809ICT | Free-choice Elective | Ethical Hacking (not offered from 2026) | 10 |
| Tri 2 | 3811ICT | Free-choice Elective | Advanced Network Architectures (not offered from 2026) | 10 |
| Tri 1 | 3301ICT | Free-choice Elective | Enterprise Architecture Concepts | 10 |