



Bachelor of Aviation/Bachelor of Information Technology (Domestic students)

Program code 1610	Entry requirements 65.00	Prerequisites NIL
Available at Nathan Campus	ATAR/RANK 2024 (more)	Assumed knowledge Any General or Applied English subject (Units 3 and 4, C) General Mathematics or Mathematical Methods (Units 3 and 4, C)
Duration 4 years full-time accelerated 8 years part-time 5 years full-time equivalent	Commencing in Trimester 1	
Credit points 400		
Indicative fee \$9,500.00* per year (more) * 2024 indicative annual CSP fee		

Degree requirements: Students who started Trimester 1 - 2022

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

For the award of *Bachelor of Aviation/Bachelor of Information Technology (BAvn/BIT)*, you must successfully complete 400 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 specified list;
- 20 credit points of free-choice electives.

Other program requirements

You must successfully complete:

- no more than 120 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. The Bachelor of Aviation and the Bachelor of Information Technology are 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 the Bachelor of Aviation and Bachelor of Information Technology 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 - 2022

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

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

Year 1

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	1004ICT	Core to Program	Professional ICT Practice	10
Tri 1	1621ICT	Core to Program	Web Technologies (not offered from 2025)	10
			OR	
Tri 1	2008ICT	Core to Program	Design Thinking in IT (offered from 2025)	10
Tri 1	1507NSC	Core to Program	Aviation Science	10
Tri 1	1505NSC	Core to Program	Flight Procedures I	10
Tri 2	1504NSC	Core to Program	Aviation Biology and Medicine	10
Tri 2		Free-choice Elective	Free-choice elective (see Note 1)	10
			OR	
Tri 2	5903LHS	English Enhancement	Language and Communication for Sciences	10
Tri 2,3	1803ICT	Core to Program	Application Systems	10
Tri 2	1508NSC	Core to Program	Airways Operation and Design	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 1,3	1007ICT	Core to Program	Computer Systems and Cyber Security	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

Year 2

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1,2	2807ICT	Core to Program	Programming Principles	10
Tri 1,2,3	2814ICT	Core to Program	Data Management	10
Tri 1			ICT major course	10
Tri 2	1304NSC	Core to Program	Atmospheric Science	10
Tri 2			ICT major course (see Note 1)	10
Tri 2			ICT major course (see Note 1)	10
Tri 2	2810ICT	Core to Program	Software Technologies	10
Tri 3	2539NSC	Core to Program	Introduction to Aviation Law	10
Tri 3	2533NSC	Core to Program	Flight Procedures II	10
Tri 1	1701ICT	Core to Program	Creative Coding	10

Note: If undertaking the Software Development major 30 credit points of ICT major must be completed in trimester 2, year 2 and 10 credit points in trimester 1, year 3.

Year 3

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1			ICT major course	10
Tri 1			ICT major course	10
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	2520NSC	Core to Program	Aircraft Operations, Performance and Planning Part I	10
Tri 1	2517NSC	Core to Program	Aviation Meteorology	10
Tri 2	3540NSC	Core to Program	Flight Procedures III	10
Tri 2			ICT major course	10
Tri 2	2519NSC	Core to Program	Navigation	10
Tri 2	1805ICT	Core to Program	Human Computer Interaction (not offered from 2024)	10
			OR	
Tri 1,2,3	2043IBA	Core to Program	Innovation, Creativity and Entrepreneurship	10
Tri 2	3533NSC	Core to Program	Aircraft Operations, Performance and Planning Part II	10

Year 4

You must complete the following courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1,2 or 3			Free-choice elective	10
Tri 3	2523NSC	Core to Program	Light Aircraft Systems	10
Tri 1	2521NSC	Core to Program	Aerodynamics Part I	10
Tri 1	2515NSC	Core to Program	Human Factors for Pilots I	10
Tri 1	3820ICT_P1	Core to Program	Work Integrated Learning Part 1	10
			AND	
Tri 2	3820ICT_P2	Core to Program	Work Integrated Learning Part 2	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 2	3520NSC	Core to Program	Aerodynamics Part II	10
Tri 3	3524NSC	Core to Program	Human Factors for Pilots II	10
Tri 3	3528NSC	Core to Program	Navigational Systems	10
Tri 3	3515NSC	Core to Program	Safety Management (Capstone)	10

Bachelor of Information Technology - Majors (3 available)

Information Systems

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 at third year level:

Trimester	Course code	Requirement	Course title	CP
Tri 1	2511ICT	Elective to Major	Business Analysis	10
Tri 1	2806ICT	Elective to Major	IT Services Management	10
Tri 2	2808ICT	Elective to Major	Secure Development Operations	10
Tri 1	3812ICT	Elective to Major	Agile Business Analysis	10
Tri 2	3810ICT	Elective to Major	Information Systems Architecture	10
Tri 1	3301ICT	Elective to Major	Enterprise Architecture Concepts	10

Networks and Security

You must complete the following course:

Trimester	Course code	Requirement	Course title	CP
Tri 2	2809ICT	Core to Major	Computer Networking Essentials	10

You must complete 50 credit points from the following courses with at least 30 credit points at third year level:

Trimester	Course code	Requirement	Course title	CP
Tri 2	2808ICT	Elective to Major	Secure Development Operations	10
Tri 1	2905ICT	Elective to Major	Fundamentals of Cyber Security	10
Tri 1	3808ICT	Elective to Major	Routing and Internetworking	10
Tri 1	3809ICT	Elective to Major	Ethical Hacking	10
Tri 2	3811ICT	Elective to Major	Advanced Network Architectures	10
Tri 2	3906ICT	Elective to Major	Digital Forensics	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

Software Development

You must complete the following course:

Trimester	Course code	Requirement	Course title	CP
Tri 2	2808ICT	Core to Major	Secure Development Operations	10

You must complete 50 credit points from the following courses with at least 30 credit points at third year level:

Trimester	Course code	Requirement	Course title	CP
Tri 1	2701ICT	Elective to Major	Interactive App Development (not offered from 2025)	10
Tri 1	2702ICT	Elective to Major	Intelligent Media Systems (not offered from 2025)	10
			OR	
Tri 2	2006ICT	Elective to Major	Object Oriented Software Development (offered from 2025)	10
Tri 1	2905ICT	Elective to Major	Fundamentals of Cyber Security	10
Tri 2	3815ICT	Elective to Major	Software Engineering (not offered from 2026)	10
			OR	
Tri 1	3003ICT	Elective to Major	Programming for Robotics (offered from 2026)	10
Tri 2	2703ICT	Elective to Major	Web Application Development (not offered from 2026)	10
			OR	
Tri 2	3004ICT	Elective to Major	Web Application Development (offered from 2026)	10
Tri 1	3701ICT	Elective to Major	Mobile Application Development	10
Tri 2	3813ICT	Elective to Major	Software Frameworks	10
Tri 2	3702ICT	Elective to Major	XR and Games Development	10

Bachelor of Information Technology - No Major Option (1 available) Information Technology (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	2701ICT	Elective to Major	Interactive App Development (not offered from 2025)	10
Tri 1	2702ICT	Elective to Major	Intelligent Media Systems (not offered from 2025)	10
			OR	
Tri 2	2006ICT	Elective to Major	Object Oriented Software Development (offered from 2025)	10
Tri 1	3701ICT	Elective to Major	Mobile Application Development	10
Tri 1	3808ICT	Elective to Major	Routing and Internetworking	10
Tri 1	3809ICT	Elective to Major	Ethical Hacking	10
Tri 1	2806ICT	Elective to Major	IT Services Management	10
Tri 1	3812ICT	Elective to Major	Agile Business Analysis	10
Tri 1	3301ICT	Elective to Major	Enterprise Architecture Concepts	10
Tri 2	2703ICT	Elective to Major	Web Application Development (not offered from 2026)	10
			OR	
Tri 2	3004ICT	Elective to Major	Web Application Development (offered from 2026)	10
Tri 2	2808ICT	Elective to Major	Secure Development Operations	10
Tri 2	2809ICT	Elective to Major	Computer Networking Essentials	10
Tri 2	3811ICT	Elective to Major	Advanced Network Architectures	10
Tri 2	3813ICT	Elective to Major	Software Frameworks	10
Tri 2	3702ICT	Elective to Major	XR and Games Development	10
Tri 2	3815ICT	Elective to Major	Software Engineering (not offered from 2026)	10
			OR	
Tri 1	3003ICT	Elective to Major	Programming for Robotics (offered from 2026)	10
Tri 1	2511ICT	Elective to Major	Business Analysis	10
Tri 2	3810ICT	Elective to Major	Information Systems Architecture	10
Tri 2	2030ICT	Elective to Major	Introduction to Big Data Analytics	10
Tri 1	3705ICT	Elective to Major	Virtual and Augmented Reality (not offered from 2026)	10
Tri 2	3706ICT	Elective to Major	Sensor Networks (not offered from 2023)	10
			OR	

Trimester	Course code	Requirement	Course title	CP
Tri 2	3707ICT	Elective to Major	Home Automation and Robotics	10
Tri 2	3723ICT	Elective to Major	Interaction Design (not offered from 2026)	10
Tri 2	3906ICT	Elective to Major	Digital Forensics	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

In addition to the courses listed below, you may select courses from other majors in the Bachelor of Information Technology or any **Undergraduate free-choice elective/s** offered across the University provided prerequisites are met. If you require guidance please liaise with your Program Director.

Trimester	Course code	Requirement	Course title	CP
Tri 1,3	2007CCJ	Free-choice Elective	Crime, Society and Justice (not offered from 2025)	10
Tri 1	2018CCJ	Free-choice Elective	White Collar Crime (not offered from 2019)	10
Tri 1	2305ENG	Free-choice Elective	Signals and Systems	10
Tri 1	2311ENG	Free-choice Elective	Analog Electronics I	10
Tri 1	2315ENG	Free-choice Elective	Digital Electronics	10
Tri 1	2701ICT	Free-choice Elective	Interactive App Development (not offered from 2025)	10
Tri 1	2702ICT	Free-choice Elective	Intelligent Media Systems (not offered from 2025)	10
Tri 2	3050IBA	Free-choice Elective	Managing Strategic Change	10
			courseLineOperator	
Tri 2	3112IBA	Free-choice Elective	Management Strategy and Decision Making (not offered from 2022)	10
Tri 1,2 or 3	2043MKT	Free-choice Elective	Entrepreneurship and New Business Ventures (not offered from 2020)	10
Tri 1,3	2128IBA	Free-choice Elective	The Management of Business Processes	10
Tri 1	4030ICT	Free-choice Elective	Big Data Analytics and Social Media (not offered from 2023)	10
			courseLineOperator	
Tri 1,2,3	3032ICT	Free-choice Elective	Big Data Analytics and Social Media	10
Tri 2,3	2000CCJ	Free-choice Elective	Psychological Explanations of Criminal Behaviour (Tri 3: Online) (not offered from 2025)	10
Tri 2	2030ICT	Free-choice Elective	Introduction to Big Data Analytics	10
Tri 2	2304ENG	Free-choice Elective	Communication Systems and Circuits	10

Trimester	Course code	Requirement	Course title	CP
Tri 2	2512NSC	Free-choice Elective	Aviation Project Management	10
Tri 2,3	3026CCJ	Free-choice Elective	Fraud and Cybercrime	10
Tri 2	3702ICT	Free-choice Elective	XR and Games Development	10
Tri 1	3705ICT	Free-choice Elective	Virtual and Augmented Reality (not offered from 2026)	10
Tri 2	3706ICT	Free-choice Elective	Sensor Networks (not offered from 2023)	10
			courseLineOperator	
Tri 2	3707ICT	Free-choice Elective	Home Automation and Robotics (offered from 2021)	10
Tri 2	3514NSC	Free-choice Elective	Leadership in Aviation	10
Tri 2	3522NSC	Free-choice Elective	Contemporary Aviation Management	10
Tri 2	3723ICT	Free-choice Elective	Interaction Design	10
			courseLineOperator	
Tri 1	3614QCA	Free-choice Elective	Experimental Media	10
Tri 3	2525NSC	Free-choice Elective	Aviation Security and Risk Management	10
Tri 3	3703ENG	Free-choice Elective	Remotely Piloted Aircraft Systems	10
Tri 3	3535NSC	Free-choice Elective	Rotary Wing Operations	10
Tri 1	3114IBA	Free-choice Elective	Management Problem Solving (not offered from 2022)	10
Tri 2,3	2034IBA	Free-choice Elective	Griffith Innovation Challenge	10