Master of Electronic and Computer Engineering/Master of Electronic and Sport Engineering (Domestic students)

Program code
5644

Commencing in
For Continuing Students Only

Available at
Nathan Campus

Duration
2 years full-time

4 years part-time

Credit points
160

Degree requirements: Students who started Trimester 2 - 2022
To be eligible for the award of *Master of Electronic and Computer Engineering/Master of Electronic and Sport Engineering (MElecCompEng/MElecSportEng)*, a student must acquire 160 credit points as prescribed below:

- gain 40 credit points for List A courses
- gain 40 credit points for List B courses
- gain 40 credit points for List C courses
- gain 40 credit points for List D courses.

Note: Students may choose to exit the double degree program and enrol in the one of the single component degrees and, upon satisfying the requirements of the single degree, graduate with that qualification.

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 Master of Electronic and Computer Engineering and the Master of Electronic and Sport Engineering are 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 the Master of Electronic and Computer Engineering and Master of Electronic and Sport Engineering 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 2 - 2022
Course offering information in program structures is a guide only. Please check the actual offering information in the Course Catalogue.

Students must complete the following **List A** courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	6601ENG		Human Biology for Engineers	10
Tri 1	7001ENG		Research Methods for Engineers (offered online and on-campus at GC/Tri 1 & NA/Tri 2 from 2017)	10
Tri 2			Listed 6000-level ENG electives	20

Students must complete the following **List B** courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1,2	7002ENG		Engineering Communication and Leadership (offered online in T2 from 2017)	10
Tri 1,2			Listed 7000-level ENG electives	30

Students must complete the following **List C** courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1,2	7601ENG_P1		Dissertation Part 1 (capstone course)	10
			AND	
Tri 1,2	7601ENG_P2		Dissertation Part 2 (capstone course)	10
			AND	
Tri 1,2	7601ENG_P3		Dissertation Part 3 (capstone course)	10
			AND	
Tri 1,2	7601ENG_P4		Dissertation Part 4 (capstone course)	10
			OR	
Tri 1,2	7605ENG		Industry Affiliates Program - Dissertation	40

Students must complete the following **List D** courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	7218NSC		Principles of Biomedical Instrumentation	10
Tri 2	7523ENG		Sport Engineering	10
Tri 2	7524ENG		Sport Instrumentation	10
Tri 2			Listed 7000-level ENG elective	10

Electives (2 available)
Listed 6000-level ENG electives

Trimester	Course code	Requirement	Course title	CP
Tri 1	6603ENG		Workshop Technology	10
Tri 2	6301ENG		Linear Electromagnetics	10
Tri 2	6302ENG		Image Processing and Machine Vision (offered even years)	10
Tri 2	6303ENG		Advanced Communication Systems (offered odd years)	10
Tri 2	6305ENG		Advanced Computer Systems (offered even years)	10
Tri 2	6306ENG		Design of Real-Time Systems (offered odd years)	10
Tri 2	6310ENG		Integrated Circuit Design	10
Tri 2	6308ENG		Digital Control System Engineering (offered even years) (not offered from 2019)	10
			courseLineOperator	
Tri 1	6323ENG		SCADA Systems (offered from 2020)	10
Tri 2	6307ENG		Advanced Digital Signal Processing (offered odd years)	10
Tri 1	6602ENG		Sport Psychology for Engineers	10

Note: Students may seek approval from the Program Director to undertake up to 10 credit points of alternative courses as electives.

Listed 7000-level ENG electives

Trimester	Course code	Requirement	Course title	CP
Tri 1	7514ENG		Practical Electronics	10
Tri 1	7515ENG		Computer Systems	10
Tri 2	7504ENG		Advanced Digital Signal Processing (offered odd years)	10
Tri 2	7512ENG		Linear Electromagnetics	10
Tri 2	7506ENG		Advanced Communications Systems (offered odd years)	10
Tri 2	7507ENG		Advanced Computer Systems (offered even years)	10
Tri 2	7508ENG		Digital Control Systems Engineering (offered even years) (not offered from 2019)	10
			courseLineOperator	
Tri 1	7576ENG		SCADA Systems (offered from 2020)	10
Tri 2	7510ENG		Image Processing and Machine Vision (offered even years)	10
Tri 2	7513ENG		Integrated Circuit Design	10
Tri 2	7518ENG		Design of Real-Time Systems (offered odd years)	10

Note: Students may seek approval from the Program Director to undertake up to 10 credit points of alternative courses as electives.