



Master of Electronic and Sport Engineering (Domestic students)

Program code

5643

Available at

Nathan Campus

Duration

1 to 2 years full-time

4 years part-time

Credit points

160

Commencing in

For Continuing Students Only

Degree requirements: Students who started Trimester 1 - 2022

To be eligible for the award of *Master of Electronic and Sport Engineering (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.

To be eligible for the award of *Master of Electronic and Sport Engineering (MElecSportEng)*, a student admitted with **40 credit points of advanced standing** must acquire 120 credit points as prescribed below:

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

To be eligible for the award of *Master of Electronic and Sport Engineering (MElecSportEng)*, a student admitted with **80 credit points of advanced standing** must acquire 80 credit points as prescribed below:

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

Note: Students admitted to complete 80 credit points for this award are required to undertake **7001ENG Research Methods for Engineers** in place of a 7000-level ENG elective if they have not previously undertaken a research methods course.

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 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 1 - 2022

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

Program options

Trimester	Course code	Requirement	Course title	CP
Tri 1,2			Standard program (see Note 1)	160
			OR	
Tri 1,2			Program with Advanced Standing (see Note 2)	120
			OR	
Tri 1,2			Program with Advanced Standing (see Note 3)	80

Note 1: For students with a Bachelor degree in Sport Science or equivalent.

Note 2: For students with a Bachelor degree in Electronic Engineering.

Note 3: For students with a Bachelor Honours degree in Electronic Engineering.

Standard program

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

Trimester	Course code	Requirement	Course title	CP
Tri 1	7522ENG		Electronic Instrumentation (see Note 1 and 2)	10
Tri 1,2	3301ENG		Practical Electronics	10
Tri 2	3323ENG		Microcontroller Techniques (withdrawn from 2022)	10
			OR	
Tri 2	2303ENG		Embedded Systems	10

Students must complete 10 credit points from the following **List A** courses:

Trimester	Course code	Requirement	Course title	CP
Tri 1	3303ENG		Digital Signal Processing	10
Tri 1	3304ENG		Control Systems	10
Tri 1	3302ENG		Computer Systems	10
Tri 2	3324ENG		Communication Systems and Circuits	10

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

Trimester	Course code	Requirement	Course title	CP
Tri 1	7001ENG		Research Methods for Engineers (offered online and on-campus at GC/Tri 1 & NA/Tri 2)	10
Tri 1,2			Listed 6000-level ENG electives (see Note 1 and 2)	30

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

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

Students must complete the following **List D** 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

Note 1: Students with a sports science background select **7522ENG Electronic Instrumentation** (if not already completed) and **6603ENG Workshop Technology**.

Note 2: Students with both a sports science and electronics background do not take either **6601ENG Human Biology for Engineers** or **7522ENG Electronic Instrumentation** and select an additional approved elective.

Program with Advanced Standing

For students with a Bachelor degree in Electronic Engineering

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

Trimester	Course code	Requirement	Course title	CP
Tri 1	7001ENG		Research Methods for Engineers (offered online and on-campus at NA/Tri 1 & GC/Tri 2)	10
Tri 1,2			Listed 6000-level ENG electives (see Note 1)	30

Students must complete the following List C courses:

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

Students must complete the following **List D** 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

Note 1: Students with an electronic engineering background select **6601ENG Human Biology for Engineers** and **6602ENG Sport Psychology for Engineers**.

Program with Advanced Standing

For students with a Bachelor Honours degree in Electronic Engineering

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

Trimester	Course code	Requirement	Course title	CP
Tri 1,2	7002ENG		Engineering Communication and Leadership (offered online in Tri 2)	10
			OR	
Tri 1,2	7001ENG		Research Methods for Engineers (see Note 1) (offered online and on-campus at GC/Tri 1 & NA/Tri 2)	10
Tri 1,2			Listed 7000-level ENG electives (see Note 1)	30

Students must complete the following **List D** 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

Note 1: Students admitted to complete 80 credit points for this award are required to undertake **7001ENG Research Methods for Engineers** and 20 credit points of listed 7000-level ENG electives if they have not previously undertaken a research methods course. Please consult the Program Director for advice.

Electives (2 available)

Listed 6000-level ENG electives

Students are advised to check availability of elective courses prior to enrolling.

Trimester	Course code	Requirement	Course title	CP
Tri 1	6603ENG		Workshop Technology	10
Tri 1	6601ENG		Human Biology for Engineers	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	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

Students are advised to check availability of elective courses prior to enrolling.

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

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