

# 2019 Electrical Engineering

For Bachelor of Engineering (Honours) with the degree of Bachelor of Commerce

Macquarie engineers will graduate with an international qualification with the capability for life-long learning. They will be able to maintain and develop advanced skills and knowledge for professional of highly skilled work with fast-rate-of-change technologies; and to adapt and change with changing organisation needs.

The outcome of a Macquarie engineering degree is development of a coherent and advanced skillset of capabilities based in the electronic, mechanical and software disciplines in the context of an international perspective.



**The table below is a suggested first session for students beginning in Session 2, 2019.** Please make your selection of units after reviewing the requirements of your award in the 2019 Handbook:

[www.handbook.mq.edu.au/2019/DegreesDiplomas/Degree/Bachelor+of+Engineering+\(Honours\)+with+the+degree+of+Bachelor+of+Commerce](http://www.handbook.mq.edu.au/2019/DegreesDiplomas/Degree/Bachelor+of+Engineering+(Honours)+with+the+degree+of+Bachelor+of+Commerce)

This program assumes that students have at least Band 4 in HSC Mathematics. If you meet this requirement you should use the following table. If you do not meet this requirement please see the following page.

**Suggested First Session:** for students with HSC Mathematics Band 4-6 or Extension 1 Band E2-E4 or Extension 2

## Session 2, 2019

| Unit Code | Unit Name                            |
|-----------|--------------------------------------|
| ENGG100   | Introduction to Engineering          |
| MATH135 * | Mathematics IA                       |
| PHYS140   | Physics 1A                           |
| COMP115   | Introduction to Computer Programming |

- You must also meet the general requirements for the degree for which you will qualify.
- It may be possible to satisfy the requirements of your degree by taking a different selection of units in your first session from those suggested above. However, it is suggested that most of the first year of study be devoted to engineering units. The engineering component of the double degree is larger than the commerce component and delaying engineering study may hamper your progress.
- \* MATH132/MATH133 are suitable alternatives to MATH135/MATH136 for those with strong mathematics skills.
- If you are starting your degree with recognition of prior learning, through alternative pathways, or through MUIC you should seek academic advice <http://www.goto.mq.edu.au/advice>.
- Not all qualifying majors can be completed in the minimum number of credit points. In order to meet the general requirements for the Bachelor of Engineering (Honours) with the degree of Bachelor of Commerce, Electrical Engineering students who choose Human Resources as their qualifying major will require a minimum of 123 credit points.

FIND OUT MORE  
CONTACT: STUDENT CONNECT  
LEVEL 2, MUSE C7A PHONE: 9850 6410  
Macquarie University NSW 2109 Australia  
[Handbook.mq.edu.au](http://Handbook.mq.edu.au)

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- If you do *not* have a Band 4 or higher in HSC Mathematics completion in minimum time cannot be guaranteed. If you do not have this assumed knowledge you should use the following table and seek academic advice to ensure optimal progress.

**Suggested First Session:** for all other students

**Session 2, 2019**

| Unit Code   | Unit Name   |
|-------------|---|
| ENGG100     | Introduction to Engineering   |
| MATH130     | Mathematics IE  |
| COMP115     | Introduction to Computer Programming  |
| Core unit # | Choose a required unit from your qualifying major from the Bachelor of Commerce program guide # |

- # For details on available majors for the Bachelor of Commerce, consult the program guides for that degree. Find the relevant guides at [www.mq.edu.au/study/admissions/accept-and-enrol/program-guides](http://www.mq.edu.au/study/admissions/accept-and-enrol/program-guides).
- All students can receive specific program advice from the faculty at any stage in their degree by lodging a “Program Advice” enquiry via <http://ask.mq.edu.au>.

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