

## Master of Professional Engineering

Microelectronics MA-EPRE

Semester 1 Intake

### Recommended Sequence

Units are listed on your Course Planner in a recommended sequence. However this can be amended depending on unit availability, unit progression, timetabling and the semester in which you commenced your course.

## Year 1

Your First Semester	
ADM80012 Technology Management (Semester 1)	+12.5
ICT80011 Research Methods (Semester 1 & 2)	+12.5
EEE80002 HDL and High Level Synthesis (Semester 1 & Summer)	+12.5
EEE40014 Hardware-Software Codesign (Semester 1)	+12.5
MFPA0001 Career Success Program 1	+0

Your Second Semester	
CSM80006 Engineering Project Management (Semester 2)	+12.5
CVE80010 Principals of Sustainability (Semester 1 & 2)	+12.5
RSK80006 Risk Management (Semester 2)	+12.5
EEE80003 VLSI Digital Signal Processing Systems (Semester 2)	+12.5
MFPA0001 Career Success Program 1	+0

## Year 2

Your Third Semester	
EAT80001 (Semester 1 & 2) Professional Engineering Entrepreneurship Project	+25
EDU80011 (Semester 1 & 2 and Winter) Professional Masters Career Management	+12.5
*& ENT60006 Opportunity Discovery (Semester 1 & 2)	+12.5
MFPA0004 Career Success Program 4	+0

Your Fourth Semester	
EAT80002 Professional Masters Engineering Project (Semester 1 & 2)	+25
EEE80004 RF Circuit Design Techniques (Semester2)	+12.5
Component unit (Elective)	+12.5
MFPA0004 Career Success Program 4	+0

## Specialisation Units

### Microelectronics

Choose four units from:

EEE80002 HDL and High Level Synthesis (Semester 1 & Summer)	+12.5
EEE80003 VLSI Digital Signal Processing Systems (Semester 2)	+12.5
EEE80004 RF Circuit Design Techniques (Semester2)	+12.5
EEE40014 Hardware-Software Codesign (Semester 1)	+12.5

## Component Units (Elective)

Complete one unit (12.5 credit points)

One unit from any other MA-EPRE Specialisation	+12.5
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### Note:

\* For students whose specialisation is Robotics and Mechatronics they are required to study two specialisation units in their first semester. They will study ENT60006 Opportunity Discovery in their final semester.

& For students whose specialisation is Microelectronics they are required to study two specialisation units in their first semester. They will study ENT60006 Opportunity Discovery in their third semester.

### How to use your Course Planner

Refer to the below table to help explain what units are required each semester throughout your course. The units in your planner are colour coded to assist you with mapping out your studies.

### Course Information

#### Core units 137.5 Credit points

A set of compulsory units you must complete as part of your Course.

#### Specialisation units 50 Credit points

A structured set of units in a field of study specific to your course. Specialisation units can be found via [Master of Professional Engineering Course Information Page](#)

#### Component Units (Electives) 12.5 Credit points

##### ELECTIVES

A standalone unit from any study area.

Electives choices can be found via [Master of Professional Engineering Course Information Page](#)

##### Career Success Program

The [Career Success Program](#) is a key feature of our professional master degrees. The program focuses on career planning and employment readiness, through a combination of activities and events that emphasise your professional development.

### What is a component unit?

A unit that forms part of a second major/co-major/minor or elective, that you select.

### How can I find which component units I can enrol in ?

Visit [Master of Professional Engineering Course Information Page](#) for major/co-major/minor and elective options.

### Where can I find out more about individual unit content?

Visit the [Single Unit Search](#) page to search for additional unit content.

### What's a full-time study load?

100 credit points (8 units per year)

### What's a part-time study load?

50 credit points (4 units per year)

### How can I plan my timetable to make sure my lectures don't clash?

Check the [University Timetable Planner](#) before enrolling into units.

### Where can I find what online units are available?

For a full listing of online unit go to [Online Units](#).