

# Bachelor of Computer Systems Engineering (Honours)/Bachelor of Business



Commencing in Semester 2, 2017 to 2019



Studying at Callaghan/ Newcastle City Precinct

See the last page for some helpful hints & tips!



This Program Plan is an enrolment guide to ensure you are on track to graduate. If at any time you wish to vary from this program plan seek prior advice from your [Program Advisor](#) to ensure you remain on track.

## Semester 1

Year 1					
Year 2	<a href="#">ENGG1003</a> Introduction to Procedural Programming	<a href="#">ENGG1500</a> Introduction to Professional Engineering	<a href="#">MATH1120</a> Mathematics for Engineering, Science and Technology 2	<a href="#">SENG1110</a> Object Oriented Programming	<a href="#">MNGT1001</a> Introduction to Management
Year 3	<a href="#">ACFI1003</a> Introduction to Finance	<a href="#">ECON1001</a> Microeconomics for Business Decisions	<a href="#">ELEC2320</a> Electrical and Electronic Circuits	<a href="#">ELEC2720</a> Introduction to Embedded Computing	
Year 4	<a href="#">MKTG1001</a> Foundations of Marketing	<a href="#">ENGG2500</a> Sustainable Engineering Practice	<a href="#">SENG2050</a> Web Engineering	<a href="#">ELEC3730</a> Digital and Computer Electronics 2	
Year 5	<a href="#">LEGL1001</a> Foundations of Law	<a href="#">ENGG3500</a> Managing Engineering Projects	<a href="#">DIRECTED</a>	<a href="#">MAJOR</a> 3000 level	
Year 6	<a href="#">ELEC4840B</a> Final Year Engineering Project Part B (20 units) <i>This course <b>must</b> be taken following ELEC4840A</i>		<a href="#">ELEC4720</a> Programmable Logic Design	<a href="#">MAJOR</a> 3000 level	

## Semester 2

<a href="#">ELEC1710</a> Digital and Computer Electronics 1	<a href="#">MATH1110 *</a> Mathematics for Engineering, Science and Technology 1	<a href="#">PHYS1220</a> Advanced Physics II	<a href="#">ACFI1001</a> Accounting for Decision Makers
<a href="#">ELEC1310</a> Introduction to Electrical Engineering	<a href="#">SENG1120</a> Data Structures	<a href="#">STAT2110</a> Engineering Statistics	<a href="#">MAJOR</a> 1000 level
<a href="#">ELEC2430</a> Circuits and Signals	<a href="#">SENG2250</a> System and Network Security	<a href="#">ELEC3240</a> Analog Electronics	<a href="#">MAJOR</a> 2000 level
<a href="#">ELEC3850</a> Electrical Engineering Design and Practice	<a href="#">ELEC3540</a> Analog and Digital Communications	<a href="#">ELEC3500</a> Telecommunication Networks	<a href="#">MAJOR</a> 2000 level
<a href="#">ELEC4840A</a> Final Year Engineering Project Part A	<a href="#">ENGG4500</a> Engineering Complexity	<a href="#">MAJOR</a> 3000 level	<a href="#">MAJOR</a> 3000 level

Program Plan Key: = Core = Directed = Major

= [Compulsory Program Requirement](#)

Professional Practice: Industrial Experience 12 weeks

To be eligible to graduate make sure you have completed 410 units (10 units = 1 course unless otherwise specified) which meet the following criteria:

- ✓ Core courses - 330 units.
  - \* Enrolment in MATH courses is based on your assumed knowledge. To find out which MATH courses you should enrol in please see the [Enrolling in Maths information](#). More information in your [Program Handbook](#).
- ✓ Major courses – 70 units, including all compulsory and directed courses for either the Leadership and Management Major or the Entrepreneurship and Innovation Major. Refer to the [Program Handbook](#) for the list of Major courses.
- ✓ Directed Courses – 10 units, visit the [Program Handbook](#) for more information.
- ✓ It is also a requirement that students complete a total of 12 weeks of [industrial experience](#).
- ✓ The duration of this program is 5 years full time (40 units per semester) or part time equivalent.
- ✓ The maximum time to complete this program is 12 years.



Some courses have assumed knowledge and/or requisites, please refer to the individual [Course Handbook](#). The [Program Handbook](#) has valuable information on program structure and requirements, if you are intending on studying part time or varying from this program plan please seek prior advice from your [Program Advisor](#).

See the  
next page  
for a list of  
Directed  
courses

# Bachelor of Electrical and Electronic Engineering (Honours) / Bachelor of Business

## Bachelor of Business Major Options

Subject to change - Please refer to the program handbook for up to date information.

### Leadership and Management Major

Complete **30 units** of compulsory courses

- [MNGT2005](#) Leadership and Ethics
- [MNGT3011](#) Leading Organisational Change
- [MNGT3012](#) Strategic Business Management

Choose **10 units** from the following 1000 level Business directed courses.

- [IBUS1000](#) Managing International Business Risk
- [IRHR1002](#) Dynamics of People and Work in Organisations
- [LEIS1000](#) Leisure Behaviour and Organisation
- [MNGT1002](#) Introduction to Entrepreneurship and Innovation
- [POLI1010](#) Australian Politics and Government

*Note: MNGT1002  
Recommended*

Choose **10 units** from the following 2000 level Business directed courses.

- [MNGT2002](#) Business Venturing
- [MNGT2006](#) Decision Making under Uncertainty

Choose **20 units** from the following 3000 level Business directed courses.

- [BUSN3001](#) Project in Business
- [MNGT3002](#) Knowledge Management
- [MNGT3008](#) Advanced Innovation Management
- [MNGT3009](#) Business Development and Growth

### Entrepreneurship and Innovation Major

Complete **40 units** of compulsory courses

- [MNGT2003](#) Entrepreneurial and Innovation Diversity
- [MNGT3006](#) Entrepreneurial Strategy (20 units)
- [MNGT3007](#) Social Entrepreneurship

Choose **10 units** from the following 1000 level Business directed courses.

- [MNGT1002](#) Introduction to Entrepreneurship and Innovation

Choose **10 units** from the following 2000 level Business directed courses.

- [MNGT2002](#) Business Venturing
- [MNGT2004](#) Managing Innovation

Choose **10 units** from the following 3000 level Business directed courses.

- [MNGT3003](#) Leadership and Entrepreneurship
- [MNGT3008](#) Advanced Innovation Management
- [MNGT3009](#) Business Development and Growth

## Directed Courses

Subject to change - Please refer to the program handbook for up to date information.

Choose **10 units** from the **Computer Systems** Directed Course List

- [ELEC3400](#) Signal Processing
- [ELEC4210](#) Electronics Design
- [ELEC4700](#) Advanced Computer Systems
- [PHYS3360](#) Advanced Electromagnetism

# Helpful Hints & Tips

## ENROLMENT HELP



Need help? >>  
**Ask UON >>**



How do I use the Web Timetable? >>

### RULES

It is important to follow this Program Plan.

You cannot repeat a course you've passed to try and get a better grade.

You cannot enrol in any extra courses not required by your program >>

## INFO FOR NEW STUDENTS



First year undergraduate students usually only enrol in 1000 level courses >>

New Postgraduate students should only enrol in 6000 level courses >>



Find out all you need to know about getting started at uni >>

## UNDERSTANDING COURSES & PROGRAMS



Not sure what courses to study? >>



Understanding program and course jargon >>



Understanding UON Jargon >>

## PRIOR STUDY



Check you have met the assumed knowledge and requisites for courses before enrolling >>



Have you studied elsewhere or transferred programs? Don't forget to apply for credit >>

## CONSIDERING A BREAK?



Need to take a break? This is called a 'leave of absence'. Check if you are eligible >>



Planning on going overseas? Keep electives free, so it's easier for you to receive credit for your overseas studies >>



UON offers a range of support services to assist with your health and wellbeing >>

## MORE QUESTIONS?

We are here to answer questions about your program. Talk to us your way!

- Ask UON
- 1300 ASK UON
- Visit Student Central
- Message us on Facebook
- or Twitter
- UONline via myUON