

**Bachelor of Electrical and Electronic Engineering (Honours)/Bachelor of Business**  
**Program Code: 40072**  
**CRICOS Code: 093507C**



**Transition Arrangements**

Last Updated October 2020

The following description outlines the approved transition arrangements for students who commenced in the Bachelor of Electrical and Electronic Engineering (Honours)/Bachelor of Business program prior to 2021. Students who commence the program in 2021 onwards must complete the courses and follow the program structure that is outlined in the [Program Handbook](#). If you need further advice, then please contact your Academic Program Advisor on [programadvice@newcastle.edu.au](mailto:programadvice@newcastle.edu.au).

Course Code and Title (Not yet completed)	New Course Code and Title (Course to be completed from 2021 onwards as offered)
<p>'Completed' means successfully passed a course or received approved credit for a course</p> <p><b>CORE COURSES</b></p>	
<p><b><u>Mathematics Core Option</u></b></p> <p><b><u>Option 1</u></b></p> <p>MATH1110 Mathematics for Engineering, Science and Technology 1 <b>AND</b>            MATH1120 Mathematics for Engineering, Science and Technology 2</p> <p><b>OR</b></p> <p><b><u>Option 2</u></b></p> <p>MATH1210 Mathematical Discovery 1 <b>AND</b>            MATH1220 Mathematical Discovery 2</p>	<p><b>MATH1110 Mathematics for Engineering, Science and Technology 1</b></p> <p><b>AND</b></p> <p><b>MATH1120 Mathematics for Engineering, Science and Technology 2</b></p> <p><i>Please note:</i>  <b>After 2021</b>, the option to do MATH1210 and MATH1220 has been removed from the program.  <b>From 2021 onwards:</b>            1) if you have not yet completed MATH1210 you must complete MATH1110; and            2) if you haven't completed MATH1220 then you must complete MATH1120.</p>
ELEC3730 Digital and Computer Electronics 2	<b>ELEC2720 Introduction to Embedded Computing</b>
ELEC3850 Electrical Engineering Design and Practice	<b>*Select 10 units of directed course Electrical and Electronic Engineering Directed list.</b>
ENGG3440 Linear Control and Estimation	<b>ELEC3410 Control System Design</b>

**\*ELEC3850 Electrical Engineering Design and Practice**

In 2020, ELEC3850 Electrical Engineering Design and Practice was removed from the program and replaced by 10 units of Computer Systems Engineering directed courses. If you have previously completed ELEC3850 you do not need to complete 10 units of Computer Systems Engineering directed courses.

### Electrical and Electronic Engineering Directed Course

For students who have not completed core course ELEC3850 should select 10 units of Electrical and Electronic directed courses.

**ELEC3730 Digital and Computer Electronics 2**

**PHYS2211 Modern Physics 1**

**ELEC4740 Internet of Things**

**ELEC3160 Principles and Design of Off-Grid Power Systems**

**ELEC3251 Power Electronics and Renewable Energy Systems**

**ELEC3400 Signal Processing**

**ELEC3500 Telecommunication Networks**

**ELEC4100 Electrical Systems**

**ELEC4160 Advanced Drives and Power Electronics**

**ELEC4210 Electronics Design**

**ELEC4720 Programmable Logic Design**

**ENGG4440 Nonlinear Control and Estimation**

## Bachelor of Business Transition Arrangements

### Leadership and Management Major

Course Code and Title (Not yet completed)	New Course Code and Title (Course to be completed from 2021 onwards as offered)
<b>1000 level Directed courses</b>	
ECON1002 Macroeconomics in the Global Economy	<b>Choose a different directed course.</b>

### Entrepreneurship and Innovation Major

#### Changes implemented from 2020

The Faculty of Business and Law made the following changes to the Bachelor of Business Entrepreneurship and Innovation Major:

1. MNGT2003 Entrepreneurial and Innovation Diversity has been **removed** from the Bachelor of Business Entrepreneurship and Innovation Major;
2. MNGT2002 Business Venturing and MNGT2007 Ideation in Enterprise have been **added** to the Entrepreneurship and Innovation Major Core Course list;
3. MNGT2006 Decision Making Under Uncertainty has been **added** to the 2000 level Directed course list;

4. MNGT3007 Social Entrepreneurship has been **removed** from the Major Core Course and **added** to the 3000 level Directed course list;
5. MNGT3006 Entrepreneurial Strategy (20 units) has been **removed** and replaced with MNGT3016 Innovation and Entrepreneurial Strategy (10 units) in the Entrepreneurship and Innovation Major Core Course list.

### **MNGT2003 Entrepreneurial and Innovation Diversity**

- If you completed MNGT2003 in 2019 or earlier – there is no change. MNGT2003 will continue to count toward completion of your program.
- If you did not complete MNGT2003 in 2019 or earlier - you must complete *MNGT2007 Ideation in Enterprise* instead.

### **MNGT3006 Entrepreneurial Strategy (20 unit course)**

- If you completed MNGT3006 in 2019 or earlier - there is no change. MNGT3006 will continue to count toward completion of your program.
- If you did not complete MNGT3006 (20 units) in 2019 or earlier - you must complete *MNGT3016 Innovation and Entrepreneurial Strategy* (10 units) and a *10-unit E&I Major 3000 level Directed course* instead.

Course Code and Title (Not yet completed)	New Course Code and Title (Course to be completed from 2021 onwards as offered)
'Completed' means successfully passed a course or received approved credit for a course	
<b>Compulsory Courses – 50 units</b>	<b>Compulsory Courses – 40 units</b>
MNGT1002 Introduction to Entrepreneurship and Innovation	MNGT1002 Introduction to Entrepreneurship and Innovation
	<b>* MNGT2002 Business Venturing</b>
MNGT2003 Entrepreneurial and Innovation Diversity	
	<b>MNGT2007 Ideation in Enterprise</b>
MNGT3006 Entrepreneurial Strategy (20 units)	
MNGT3007 Social Entrepreneurship	
	<b># MNGT3016 Innovation and Entrepreneurial Strategy (10 units)</b>
<b>2000 Level Directed Courses – 10 units</b>	<b>2000 Level Directed Courses – 10 units</b>
MNGT2002 Business Venturing	
	<b>MNGT2006 Decision Making under Uncertainty</b>
MNGT2004 Managing Innovation	MNGT2004 Managing Innovation
<b>3000 Level Directed Courses – 10 units</b>	<b>3000 Level Directed Courses – 20 units</b>
BUSN3002 Industry Placement	BUSN3002 Industry Placement
MNGT3002 Knowledge Management	MNGT3002 Knowledge Management
	<b>MNGT3007 Social Entrepreneurship</b>

MNGT3008 Advanced Innovation Management	MNGT3008 Advanced Innovation Management
MNGT3009 Business Development and Growth	MNGT3009 Business Development and Growth