MASTER OF PROFESSIONAL ENGINEERING (ELECTRICAL AND ELECTRONIC)
Program Code: 40184
CRICOS Code: 098284F

Transition Arrangements

Last Updated: October 2020

The following description outlines the approved transition arrangements for students who commenced in the Master of Professional Engineering (Electrical and Electronic) 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.

PATHWAY A **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	
PATHWAY A DIRECTED COURSES **Students choose 60 units from the following courses.**	
ELEC3130 Electric Machines and Power Systems	ELEC3130 Electric Machines and Power Systems
ELEC3160 Principles and Design of Off-Grid Power Systems	ELEC3160 Principles and Design of Off-Grid Power Systems
ELEC3540 Analog and Digital Communications	ELEC3540 Analog and Digital Communications
ELEC4720 Programmable Logic Design	ELEC4720 Programmable Logic Design
ELEC6100 Electrical Systems	ELEC6100 Electrical Systems
ELEC6160 Advanced Drives and Power Electronics	ELEC6160 Advanced Drives and Power Electronics
ELEC6210 Electronics Design	ELEC6210 Electronics Design
ELEC6251 Power Electronics and Renewable Systems	ELEC6251 Power Electronics and Renewable Systems
ELEC6400 Signal Processing	ELEC6400 Signal Processing
ELEC6500 Telecommunication Networks	ELEC6500 Telecommunication Networks
ENGG6200 Project/Directed Reading	ENGG6200 Project/Directed Reading
ENGG6441 Nonlinear Control and Estimation	ENGG6441 Nonlinear Control and Estimation

ENGG6440 Linear Control and Estimation	**ELEC6410 Control System Design**
ELEC6550 Wireless Communication	**If you have not yet done this course, then choose another Directed course from the list.**
ELEC6700 Advanced Computer Systems	**If you have not yet done this course, then choose another Directed course from the list.**
MCHA6100 Advanced Estimation	**If you have not yet done this course, then choose another Directed course from the list.**
MCHA6300 Real-time Optimisation for Embedded Systems	**If you have not yet done this course, then choose another Directed course from the list.**

PATHWAY B

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

PATHWAY B DIRECTED COURSES
Students choose 70 units of directed courses.

ELEC3160 Principles and Design of Off-Grid Power Systems	ELEC3160 Principles and Design of Off-Grid Power Systems
ELEC3540 Analog and Digital Communications	ELEC3540 Analog and Digital Communications
ELEC3730 Digital and Computer Electronics 2	ELEC3730 Digital and Computer Electronics 2
ELEC4720 Programmable Logic Design	ELEC4720 Programmable Logic Design
ELEC6100 Electrical Systems	ELEC6100 Electrical Systems
ELEC6160 Advanced Drives and Power Electronics	ELEC6160 Advanced Drives and Power Electronics
ELEC6210 Electronics Design	ELEC6210 Electronics Design
ELEC6251 Power Electronics and Renewable Systems	ELEC6251 Power Electronics and Renewable Systems
ELEC6400 Signal Processing	ELEC6400 Signal Processing
ELEC6500 Telecommunication Networks	ELEC6500 Telecommunication Networks
ENGG6200 Project/Directed Reading	ENGG6200 Project/Directed Reading
ENGG6441 Nonlinear Control and Estimation	ENGG6441 Nonlinear Control and Estimation
ENGG6440 Linear Control and Estimation	**ELEC6410 Control System Design**
ELEC6550 Wireless Communication	**If you have not yet done this course, then choose another Directed course from the list.**

ELEC6700 Advanced Computer Systems	**If you have not yet done this course, then choose another Directed course from the list.**
MCHA6100 Advanced Estimation	**If you have not yet done this course, then choose another Directed course from the list.**
MCHA6300 Real-time Optimisation for Embedded Systems	**If you have not yet done this course, then choose another Directed course from the list.**
PHYS2170 Quantum Mechanics and Semiconductor Physics	**PHYS2211Modern Physics 1**

PATHWAY C

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

PATHWAY C DIRECTED COURSES
Students choose 20 units of directed courses.

ELEC6100 Electrical Systems	ELEC6100 Electrical Systems
ELEC6210 Electronics Design	ELEC6210 Electronics Design
ELEC6251 Power Electronics and Renewable Systems	ELEC6251 Power Electronics and Renewable Systems
ELEC6400 Signal Processing	ELEC6400 Signal Processing
ELEC6500 Telecommunication Networks	ELEC6500 Telecommunication Networks
ENGG6441 Nonlinear Control and Estimation	ENGG6441 Nonlinear Control and Estimation
ENGG6440 Linear Control and Estimation	**ELEC6410 Control System Design**
ELEC6550 Wireless Communication	**If you have not yet done this course, then choose another Directed course from the list.**
ELEC6700 Advanced Computer Systems	**If you have not yet done this course, then choose another Directed course from the list.**
MCHA6100 Advanced Estimation	**If you have not yet done this course, then choose another Directed course from the list.**
MCHA6300 Real-time Optimisation for Embedded Systems	**If you have not yet done this course, then choose another Directed course from the list.**