

MASTER OF PROFESSIONAL ENGINEERING (MECHANICAL)

Program Code: 40185

CRICOS Code: 098285E



Transition Arrangements

Last Updated: October 2020

The following description outlines the approved transition arrangements for students who commenced in the Master of Professional Engineering (Mechanical) 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)

PATHWAY A CORE COURSES

'Completed' means successfully passed a course or received approved credit for a course

MECH2710 Fluid Mechanics 1

ENGG2300 Engineering Fluid Mechanics

PATHWAY A DIRECTED COURSES

Choose 40 units from the following directed courses

MCHA6300 Real-time Optimisation for Embedded Systems

Select a different directed course

MECH6130 Mechanics of Bulk Solids and Particulates

MECH6130 Mechanics of Bulk Solids and Particulates

MECH6200 Computer Aided Engineering and Manufacturing

MECH6200 Computer Aided Engineering and Manufacturing

MECH6250 Bulk Materials Handling and Transportation

MECH6250 Bulk Materials Handling and Transportation

MECH6760 Renewable Energy Conversion

MECH6760 Renewable Energy Conversion

MECH6830 Engineering Economic Analysis

GSBS6200 Financial and Management Accounting

MATS6001 Fundamentals of Materials Synthesis and Processing

MATS6002 Materials Characterisation Techniques

ARBE6402 Project Scheduling, Resource Management and Leadership

STAT6100 Systems Thinking for an Integrated Workforce

PATHWAY B

Course Code and Title

(Not yet completed)

New Course Code and Title

(Course to be completed from 2021 onwards as offered)

PATHWAY B DIRECTED COURSES

Choose 30 units from the following directed courses

MCHA6300 Real-time Optimisation for Embedded Systems	Select a different directed course
MECH6130 Mechanics of Bulk Solids and Particulates	MECH6130 Mechanics of Bulk Solids and Particulates
MECH6200 Computer Aided Engineering and Manufacturing	MECH6200 Computer Aided Engineering and Manufacturing
MECH6250 Bulk Materials Handling and Transportation	MECH6250 Bulk Materials Handling and Transportation
MECH6760 Renewable Energy Conversion	MECH6760 Renewable Energy Conversion
MECH6830 Engineering Economic Analysis	GSBS6200 Financial and Management Accounting
	MATS6001 Fundamentals of Materials Synthesis and Processing
	MATS6002 Materials Characterisation Techniques
	ARBE6402 Project Scheduling, Resource Management and Leadership
	STAT6100 Systems Thinking for an Integrated Workforce

PATHWAY C

Course Code and Title

(Not yet completed)

New Course Code and Title

(Course to be completed from 2021 onwards as offered)

PATHWAY C DIRECTED COURSES

Choose 10 units of directed courses or 30 units of directed courses if undertaking the alternate core courses in Pathway C. Refer to the Program Handbook for more information.

MCHA6100 Advanced Estimation	Select a different directed course
MCHA6300 Real-time Optimisation for Embedded Systems	Select a different directed course
MCHA6500 Mechatronics Design 1	Select a different directed course
MECH6130 Mechanics of Bulk Solids and Particulates	MECH6130 Mechanics of Bulk Solids and Particulates
MECH6200 Computer Aided Engineering and Manufacturing	MECH6200 Computer Aided Engineering and Manufacturing

MECH6250 Bulk Materials Handling and Transportation	MECH6250 Bulk Materials Handling and Transportation
MECH6760 Renewable Energy Conversion	MECH6760 Renewable Energy Conversion
	GSBS6200 Financial and Management Accounting
	MATS6001 Fundamentals of Materials Synthesis and Processing
	MATS6002 Materials Characterisation Techniques
	ARBE6402 Project Scheduling, Resource Management and Leadership
	STAT6100 Systems Thinking for an Integrated Workforce