BACHELOR OF ENGINEERING (HONOURS) (CHEMICAL) (PRE-2017)
Program Code: 12284
CRICOS Code: 018788M

Teach-out Arrangements for pre-2017 program – replacement courses for students remaining in their existing program

Teach-out Arrangements for pre-2017 program

Last Updated: October 2020

The following description outlines the approved teach-out arrangements for students who commenced in the Bachelor of Engineering (Honours) (Chemical) prior to 2017. Please note that students who commenced prior to 2017 will not transition to the new program. If you need further advice, then please contact your Academic Program Advisor on programadvice@newcastle.edu.au.

Pre-2017 Course Code and Title (Not yet completed)	**New Course Code and Title** (Course to be completed from 2021 onwards as offered)	
CORE COURSES 'Completed' means successfully passed a course or received approved credit for a course		
Mathematics Core Option **Option 1** MATH1110 Mathematics for Engineering, Science and Technology 1 **AND** MATH1120 Mathematics for Engineering, Science and Technology 2 ***OR*** **Option 2** MATH1210 Mathematical Discovery 1 **AND** MATH1220 Mathematical Discovery 2	MATH1110 Mathematics for Engineering, Science and Technology 1 **AND** MATH1120 Mathematics for Engineering, Science and Technology 2 ***Please note:*** ***After 2021****, the option to do MATH1210 and MATH1220 has been removed from the program.* ***From 2021 onwards:*** *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.*	
CIVL2310 Fluid Mechanics	**ENGG2300 Engineering Fluid Mechanics**	
GENG1803 Introduction to Engineering Practice	**ENGG1500 Introduction to Professional Engineering**	
GENG1002 Introduction to Engineering Computations	**Pre-2021** ENGG1002 Introduction to Engineering Computations	**2021 onwards** **ENGG1003 Introduction to Procedural Programming**
CHEE1000 Chemical Engineering Principles	**CHEE1000 Process Engineering Principles** *(change to course title only)*	
CHEE2931 Green Engineering & Sustainability Principles	**CHEE2935 Resource and Energy Optimisation** *(change to course title only)*	
CHEE2940 Particle Processing	**CHEE2945 Particle & Resources Engineering**	

CHEE2421 Safety and Risk	**CHEE3425 Chemical Process Safety**	
CHEE2691 Heat Transfer & Design of Energy Systems	**CHEE2695 Energy Transfer and Technologies**	
CHEE2820 Transfer Processes Laboratory	**CHEE2825 Chemical and Renewables Engineering Laboratory** *(change to course title only)*	
CHEE3320 Thermodynamics	**CHEE2325 Thermodynamics of Chemical Processes**	
CHEE3741 Mass Transfer & Separation Processes	**CHEE3735 Mass Transfer Processes**	
GENG3830 Engineering Project Management	**ENGG3500 Managing Engineering Projects**	
CHEE3731 Modelling of Separation Process	**CHEE3745 Process Modelling & Separation Process**	
CHEE3841 Research laboratory	**CHEE3825 Chemical Engineering Laboratory 2**	
PHIL3910 Ethics, Technology and Engineering	**ENGG4500 Engineering Complexity**	
CHEE4320 Kinetics and Reaction Engineering	**CHEE3325 Chemical Reactor Design**	
ELEC4400 Automatic Control	**CHEE4475 Dynamic Process Simulations and Control**	
CHEE4940A Chemical Engineering Design Project Part A	**CHEE4945A Design Project A** *(change to course title only)*	
CHEE4940B Chemical Engineering Design Project Part B	**CHEE4945B Design Project B** *(change to course title only)*	
CHEE4971A Chemical Engineering Research Project A	**CHEE4975A Chemical Engineering Research A**	
CHEE4971B Chemical Engineering Research Project B	**CHEE4975B Chemical Engineering Research B**	
MATH2470 Partial Differential Equations in Engineering	**Pre-2021** Choose 10 units of Directed courses from the following list:	**2021 onwards** **Choose 10 units of Directed courses from the following list:**
	CHEM2410 Physical Chemistry	**CHEM2410 Physical Chemistry**
	CHEE3690 Environ. Process Technology	**CHEE3690 Environ. Process Technology**
	CHEE3920 Coal and Mineral Processing	**Removed from program**
	CHEE4510 Project Management and Innovation in Process Industries	**CHEE4510 Project Management and Innovation in Process Industries**

Chemical Engineering Directed Courses

Choose 30 units from the following Directed courses. Please note core course MATH2470 has been replaced by 10 units of directed courses.

CHEM2410 Physical Chemistry	**CHEM2410 Physical Chemistry**
CHEE3690 Environ. Process Technology	**CHEE3690 Environ. Process Technology**
CHEE3920 Coal and Mineral Processing	**If you have not yet done this course, then choose another Directed course from the list.**
CHEE4510 Project Management and Innovation in Process Industries	**CHEE4510 Project Management and Innovation in Process Industries**