

**BACHELOR OF CHEMICAL ENGINEERING  
(HONOURS)/BACHELOR OF SCIENCE**  
Program Code: 40197

**Transition Arrangements**

Last Updated: October 2020



The following description outlines the approved transition arrangements for students who commenced in the Bachelor of Chemical Engineering (Honours)/Bachelor of Science 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)
‘Completed’ means successfully passed a course or received approved credit for a course	
<b>CORE COURSES</b>	
<b>Mathematics Core Option</b> <b>Option 1</b> MATH1110 Mathematics for Engineering, Science and Technology 1 <b>AND</b> MATH1120 Mathematics for Engineering, Science and Technology 2 <b>OR</b> <b>Option 2</b> MATH1210 Mathematical Discovery 1 <b>AND</b> MATH1220 Mathematical Discovery 2	MATH1110 Mathematics for Engineering, Science and Technology 1 <b>AND</b> MATH1120 Mathematics for Engineering, Science and Technology 2  <b>Please note:</b> <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.
CHEE2315 Fluid Mechanics for Chemical Engineers	<b>ENGG2300 Engineering Fluid Mechanics</b>
CHEE1000 Chemical Engineering Principles	<b>CHEE1000 Process Engineering Principles</b> (change to course title only)
CHEE2935 Sustainable Engineering Practices	<b>CHEE2935 Resource and Energy Optimisation</b> (change to course title only)
CHEE2825 Chemical Engineering Laboratory 1	<b>CHEE2825 Chemical and Renewables Engineering Laboratory</b> (change to course title only)
CHEE4945A Chemical Engineering Design A	<b>CHEE4945A Design Project A</b> (change to course title only)
CHEE4945B Chemical Engineering Design B	<b>CHEE4945B Design Project B</b> (change to course title only)

## Chemistry of Advanced Materials major

**Course Code and Title**  
(Not yet completed)

**New Course Code and Title**  
(Course to be completed from 2021 onwards as offered)

### COMPULSORY COURSES

CHEM2110 Analytical Chemistry	<b>CHEM2110 Applied Analytical Chemistry</b> ( <i>change to course title only</i> )
CHEM2210 Inorganic Chemistry	<b>CHEM2210 Materials Chemistry</b> ( <i>change to course title only</i> )
CHEM2410 Physical Chemistry	CHEM2410 Physical Chemistry
CHEM3410 Energy and Materials ( <i>previously CHEM3410 Energy and Structure</i> )	<i>If you have not completed CHEM3410 prior to 2021, then you will complete</i>  <b>CHEM3110 Instrumental Chemical Analysis</b>  (CHEM3110 will count in place of CHEM3410)

### Directed courses – choose 20 units from the following directed courses

	<b>CHEM3410 Energy and Materials</b> ( <i>previously CHEM3410 Energy and Structure</i> ) <ul style="list-style-type: none"> <li>• If you have already completed CHEM3410 prior to 2021, then it will count as a compulsory course in place of CHEM3110.</li> <li>• If you have not completed CHEM3410 prior to 2021, then you may select it as a directed course if you have 10-units of available directed courses.</li> </ul>
<b>CHEM3110 Instrumental Chemical Analysis</b>	<i>Refer to compulsory list</i>
CHEM3210 Nanostructured Materials	<b>CHEM3210 Functional Materials</b> ( <i>change to course title only</i> )
CHEM3560 Materials Chemistry: Solids and Semiconductors	<b>If you have not yet done this course, then choose another Directed course from the list.</b>
CHEM3580 Polymers and Colloids	<b>CHEM3580 Colloids, Interfaces and Soft Matter</b> ( <i>change to course title only</i> )