

**Bachelor of Computer Science**  
**Program Code: 40103**  
**CRICOS Code: 001604G**



## Transition Arrangements

Last Updated April 2021

The following description outlines the approved transition arrangements for students who commenced in the Bachelor of Computer Science 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>	
SENG3400 Network and Distributed Computing	<b>ELEC3500 Telecommunication Networks</b>
MATH1110 Mathematics for Engineering, Science and Technology 2 <b>OR</b> MATH1210 Mathematical Discovery 1	<b>MATH1110 Mathematics for Engineering, Science and Technology 2</b>

Course Code and Title (Not yet completed)	New Course Code and Title (Course to be completed from 2021 onwards as offered)
<b>Computer Science and Robotics Major</b>	
'Completed' means successfully passed a course or received approved credit for a course	
<b>COMPULSORY COURSES</b>	
ELEC3730 Digital and Computer Electronics 2	<b>ELEC2720 Introduction to Embedded Computing</b>
MATH1120 Mathematics for Engineering, Science and Technology 2 <b>OR</b> MATH1220 Mathematical Discovery 2	<b>MATH1120 Mathematics for Engineering, Science and Technology 2</b>
<b>Directed Courses</b>	
Choose 10 units from the following directed courses for the Computer Systems and Robotics Major.	
SENG2200 Programming Languages and Paradigms	<b>SENG2200 Programming Languages and Paradigms</b>

COMP3320 Computer Graphics	COMP3320 Computer Graphics
COMP3350 Advanced Database	COMP3350 Advanced Database
ELEC2430 Circuits and Signals	<b>If you have not yet done this course, then choose another Directed course from the list.</b>
ELEC4720 Programmable Logic Design	<b>If you have not yet done this course, then choose another Directed course from the list.</b>

### Data Science Major Discontinuation

From Semester 2, 2021, the Data Science Major will be removed from the Bachelor of Computer Science program. All compulsory courses will be continued to be taught as part of the new Bachelor of Data Science program, therefore, students currently in the major will be able to complete the requirements of this major.

<b>Data Science Major</b>	
<b>Course Code and Title</b> (Not yet completed)	<b>New Course Code and Title</b> (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</b>	
STAT1070 Statistics for the Sciences	STAT1070 Statistics for the Sciences
COMP3330 Machine Intelligence	COMP3330 Machine Intelligence
COMP3340 Data Mining	COMP3340 Data Mining
COMP3350 Advanced Database	COMP3350 Advanced Database
	<b>MATH1120 Mathematics of Engineering, Science and Technology 2</b>
<b>Data Science Major – Maths Option</b>	
Choose 10 units from the Following maths courses.	
MATH1120 Mathematics of Engineering, Science and Technology 2 <b>OR</b> MATH1220 Mathematical Discovery 2	<b>Removed from program.</b>  <i>Please note: If you previously completed MATH1220, it will still count towards your program.</i>
<b>Directed Courses Data Science major</b>	
Choose 10 units from the following directed courses for the Data Science Major.	
ENGG1003 Introduction to Procedural Programming	ENGG1003 Introduction to Procedural Programming

MATH2320 Linear Algebra	<b>MATH2340 Linearity and Continuity 1</b>
SENG2050 Web Engineering	SENG2050 Web Engineering
COMP3260 Data Security	COMP3260 Data Security