

Bachelor of Science (Advanced) [40166]

TRANSITION ARRANGEMENTS - INFORMATION FOR STUDENTS WHO COMMENCED THE PROGRAM IN 2020

Changes have been made to the Bachelor of Science (Advanced) from 2021 onwards. Frequently Asked Questions can be found on page 3.

Discontinued Majors

From 2021, the following majors have been discontinued and will no longer be available for new students. Students who commenced the program in 2020 and are completing a major from the list below can continue to complete their major but must refer to the Transition Arrangements found on the Bachelor of Science Program Handbook: <https://www.newcastle.edu.au/degrees/bachelor-of-science/handbook>.

- Animal Biology
- Biodiversity, Conservation and Ecological Science
- Biology
- Chemistry
- Environmental and Analytical Chemistry
- Environmental Remediation
- Geology
- Integrated Geography
- Marine and Coastal Science
- Marine, Coastal and Ecological Sciences
- Plant Biology
- Sustainable Resource Management
- Water, Climate and Soils

Revised Majors

From 2021, the following majors have been revised. Students who commenced the program in 2020 and are completing a major from the list below can continue to complete their major but must refer to the Transition Arrangements found on the Bachelor of Science Program Handbook:

<https://www.newcastle.edu.au/degrees/bachelor-of-science/handbook>.

- Biodiversity and Conservation
- Chemistry of Advanced Materials
- Earth Sciences
- Geography
- Mathematics
- Medicinal and Organic Chemistry
- Physics
- Psychology
- Statistics

Advanced Course Pathway

From 2021, the Advanced Course Pathway has been removed and the Standard Pathway courses (SCIE1003 and SCIE2003) have become core courses for students who commence the program from 2021. The Transition Pathway has been removed, students completing the Transition Pathway must refer to the below table.

If you have completed	But have not completed	Then you will need to complete
SCIE1001	SCIE2002 and SCIE2004	SCIE2003 and a 10 unit elective
SCIE1001 and SCIE2002	SCIE2004	SCIE2003

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Pre-2021 Program Structure			2021 Onwards Program Structure		
Code	Title	Units	Code	Title	Units
Core Courses - 50 units			Core Courses - 70 units		
SCIE1002	Multidisciplinary Laboratories	10	SCIE1002	Multidisciplinary Laboratories	10
			#SCIE1003	Advanced Scientific Thinking	10
STAT1070	Statistics for the Sciences	10	STAT1070	Statistics for the Sciences	10
SCIE2001	Professional Employment Skills	10	SCIE2001	Professional Employment Skills	10
			#SCIE2003	Advanced Interdisciplinary Challenges	10
SCIE3003A	Advanced Transdisciplinary Capstone: Planning and Implementing	10	SCIE3003A	Advanced Transdisciplinary Capstone: Planning and Implementing	10
SCIE3003B	Advanced Transdisciplinary Capstone: Implementing and Communicating	10	SCIE3003B	Advanced Transdisciplinary Capstone: Implementing and Communicating	10
Mathematics Directed Courses – Complete 10 units			Mathematics Directed Courses – Complete 10 units		
MATH1001	Preparatory Studies in Mathematics	10	MATH1001	Preparatory Studies in Mathematics	10
MATH1002	Foundational Studies in Mathematics	10	MATH1002	Foundational Studies in Mathematics	10
MATH1110	Mathematics for Engineering, Science and Technology 1	10	MATH1110	Mathematics for Engineering, Science and Technology 1	10
- MATH1120	Mathematics for Engineering, Science and Technology 2	10			
*MATH1210	Mathematical Discovery 1	10			
Advanced Course Pathway – 180 units Complete the Standard Pathway or the Transition Pathway			Major and Electives – 160 units		
Standard Pathway			Complete one of the following		
#SCIE1003	Advanced Scientific Thinking	10	<ul style="list-style-type: none"> One 80 unit major and 80 units of electives One 120 unit major and 40 units of electives Two 80 unit majors from different disciplines and zero electives 		
#SCIE2003	Advanced Interdisciplinary Challenges	10			
Major: 80 or 120 units					
Electives: 80 or 40 units Students completing an 80 unit major can use their electives to complete a second 80 unit major from a different discipline.					
Transition Pathway					
^SCIE1001	Professional Scientific Thinking	10			
^SCIE2002	Interdisciplinary Challenges	10			
^SCIE2004	Advanced Case Studies	10			
Major: 80 or 120 units					
Electives: 70 or 30 units Students completing an 80 unit major can use their electives to complete a second 80 unit major. Students completing a double major may only choose their first major from the following list as SCIE2002 will count as a 2000 level directed course towards the first major: Biodiversity and Conservation; Biology; Earth Sciences; Environmental and Organic Chemistry; Geography; Medicinal and Organic Chemistry; Sustainable Resources Management.					
TOTAL 240 UNITS			TOTAL 240 UNITS		
Key					
# Core course for students who commence in 2021 onwards.					
- MATH1120 have been removed from the list of Mathematics Directed courses, if you have completed MATH1120 it will still count as your 10 unit Mathematics Directed course.					
* MATH1210 will no longer be offered, if you have completed MATH1210 it will still count as your 10 unit Mathematics Directed course.					
^ Course removed from program, if you have completed this course please refer to the transition information on the first page.					

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Frequently Asked Questions

Does this change what I need to enrol in?

The courses you need to enrol in may have changed, however you will not be required to complete more than the 240 units required for your program.

Will this delay my graduation?

No. As the changes do not increase the total number of courses you need to complete, these changes will not delay your graduation.

I have completed a course that is no longer offered. Does it still count towards my program?

Yes, all courses successfully completed prior to 2021 will continue to count towards your degree and major requirements. Please see the transition table information above, and the relevant major transition information documents to show your remaining program requirements.

Can I still complete my major?

Yes, you will still be able to complete your major. If your major has been discontinued or revised, you must refer to the transition arrangements found on the Bachelor of Science Program Handbook: <https://www.newcastle.edu.au/degrees/bachelor-of-science/handbook>.

Can I still complete my double major?

Yes, you can still complete your double major. If one or both of your majors have been discontinued or revised you must refer to the transition arrangements found on the Bachelor of Science Program Handbook: <https://www.newcastle.edu.au/degrees/bachelor-of-science/handbook>. Please email programadvice@newcastle.edu.au before enrolment to check that the courses you plan to complete will make you eligible for the double major.

If you have any questions, please contact your Academic Program Advisor at programadvice@newcastle.edu.au.