

Bachelor of Science [40165] – Biology majors

TRANSITION ARRANGEMENTS - INFORMATION FOR STUDENTS WHO COMMENCED IN THE PROGRAM PRIOR TO 2021

Changes have been made to the Bachelor of Science majors from 2021 onwards. Information regarding the changes to the below majors can be found in the following pages. If you are completing a double major please also refer to the transition arrangements for your second major.

Major	From 2021
Animal Biology	This major will not be available to new students.
Biological Sciences	New major offered from 2021 onwards.
Biology	This major will not be available to new students.
Plant Biology	This major will not be available to new students.

Frequently Asked Questions

Can I still complete my major?

Yes, you will still be able to complete your major.

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.

Can I choose to change my major and complete the new Biological Sciences major?

If you are interested in changing your major to Biological Sciences, or any other major, you must contact your Academic Program Advisor at programadvice@newcastle.edu.au who will advise if you have room left in your program to change majors. As you cannot exceed the 240 units for the Bachelor of Science, you may not be able to change your major.

I have completed a course that is no longer offered or a course that has had a name change. Does it still count?

Yes, all courses successfully completed prior to 2021 will continue to count towards your program and major requirements. Please see the transition table information in the following pages to check your remaining major requirements.

Can I still complete my double major?

Yes, you can still complete your double major but you must ensure that you refer to transition information related to your second major for information on any changes occurring in your second major. 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. It is not possible to complete a double major if you are completing a 120 unit major.

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Animal Biology Major – 120 units Transition Arrangements		
Compulsory Courses		
BIOL1001	Molecules, Cells and Organisms	10 units
BIOL1002	Organisms to Ecosystems	10 units
Group A Directed Courses – Complete 60 units		
BIOL2001	Molecular Laboratory Skills for Biological Sciences	10 units
BIOL2002	Laboratory Skills in Biological Systems	10 units
BIOL2010	Biochemistry	10 units
[^] BIOL2020	Animal Physiology and Development	10 units
BIOL2050	Molecular Genetics	10 units
BIOL2090	Microbial Biology	10 units
+ENVS2004	Ecology	10 units
+ENVS2006	Ecology and Management of Wildlife	10 units
Group B Directed Courses – Complete 40 units		
It is recommended that students prioritise completing the four BIOL courses.		
+ENVS2009	Catchment and Water Resource Management	10 units
BIOL3001	Advanced Laboratory Skills in Biological Sciences	10 units
*BIOL3020	Animal Physiology, Reproduction and Development	10 units
BIOL3090	Molecular Biology	10 units
BIOL3100	Microbiology	10 units
+ENVS3002	Environmental Management Perspectives	10 units
+ENVS3003	Conservation Biology	10 units
+SCIE3500	Research Integrated Learning	10 units
+ENVS6525	Sustainability and Ecosystem Health	10 units
Key		
[^] Course no longer offered, if you have already completed this course it still counts towards your major.		
+ Course added to major.		
* Prior to 2021 BIOL3020 was named Reproductive Physiology and Development.		

Enrolling in ENVS6525

ENVS6525 is a postgraduate course and students must seek permission to enrol.

Please email programadvice@newcastle.edu.au if you would like to apply to enrol in ENVS6525.

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Biology Major – 80 units Transition Arrangements		
Compulsory courses – 20 units		
BIOL1001	Molecules, Cells and Organisms	10 units
BIOL1002	Organisms to Ecosystems	10 units
2000 level Directed courses – Complete 30 units		
+BIOL2001	Molecular Laboratory Skills for Biological Sciences	10 units
^BIOL2020	Animal Physiology and Development	10 units
BIOL2050	Molecular Genetics	10 units
BIOL2090	Microbial Biology	10 units
*BIOL2220	Plant Adaptation to Climate Change	10 units
+ENVS2004	Ecology	10 units
+ENVS2005	Management of Australian Flora	10 units
+ENVS2006	Ecology and Management of Wildlife	10 units
3000 level Directed courses – Complete 30 units		
*BIOL3020	Animal Physiology, Reproduction and Development	10 units
BIOL3090	Molecular Biology	10 units
BIOL3100	Microbiology	10 units
^BIOL3330	Plant Development and Physiology	10 units
+ENVS3002	Environmental Management Perspectives	10 units
+ENVS3003	Conservation Biology	10 units
+ENVS3004	Ecotoxicology	10 units
Key		
^ Course no longer offered, if you have already completed this course it still counts towards your major.		
+ Course added to major.		
* Prior to 2021 the following courses were named:- BIOL2220 Plant Cell Development BIOL3020 Reproductive Physiology and Development		

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Plant Biology Major – 120 units Transition Arrangements		
Compulsory courses – 100 units		
BIOL1001	Molecules, Cells and Organisms	10 units
BIOL1002	Organisms to Ecosystems	10 units
BIOL2001	Molecular Laboratory Skills for Biological Sciences	10 units
BIOL2002	Laboratory Skills in Biological Systems	10 units
BIOL2010	Biochemistry	10 units
BIOL2050	Molecular Genetics	10 units
BIOL2090	Microbial Biology	10 units
*BIOL2220	Plant Adaptation to Climate Change	10 units
BIOL3001	Advanced Laboratory Skills in Biological Sciences	10 units
BIOL3100	Microbiology	10 units
Directed courses – Complete 20 units		
+ENVS2005	Management of Australian Flora	10 units
^BIOL3310	Plant Cell and Molecular Biology	10 units
^BIOL3330	Plant Development and Physiology	10 units
+ENVS3002	Environmental Management Perspectives	10 units
+ENVS3004	Ecotoxicology	10 units
Key		
^ Course no longer offered, if you have already completed this course it still counts towards your major.		
+ Course added to major.		
* Prior to 2021 BIOL2220 was named Plant Cell Development.		