

Science

Bachelor of Life Science (3966) - [Handbook](#)

2023 Commencing Students
Program Structure



Single Degree Mode

PROGRAM STRUCTURE	An approved Major	96 UOC (16 courses)	96 UOC	144 UOC
	Science Electives			
	Free Electives	36 UOC (6 courses)	48 UOC	
	General Education	12 UOC (2 courses)		

Science Electives are courses taken from within the Faculty of Science or as defined [here](#)

Free Electives are courses from any Faculty at UNSW including Science, but cannot be GEN-branded courses

General Education must taken from courses that are not considered [Science Electives](#)

Science students cannot take GENS courses under any circumstance

Students in Single Degree Mode cannot complete more than 72 UoC of Level 1 courses including any GEN courses and Level 1 courses taken for General Education.

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2023 Commencing Students – Single Degree – Major in Anatomy ([ANATA1](#))

Choose from available proposed courses in each year



Year 1		
BABS1201 (T1, T3)	BIOS1101 (T2)	6 UOC SCI Elective
6 UOC Mathematics Level 1 Core (See notes 1)	6 UOC Free Elective	6 UOC Free Elective
CHEM1011 (T1, T2, T3) OR CHEM1031 (T1)	6 UOC Free Elective	

Year 2		
ANAT2111 (T1, T2)	ANAT2241 (T2)	6 UOC Free Elective
6 UOC Level 2 Prescribed Electives (See notes 2)	6 UOC Level 2 Prescribed Electives (See notes 2)	6 UOC General Education
6 UOC SCI Elective	6 UOC General Education	

Year 3		
6 UOC Level 3 Prescribed Electives (See notes 3)	6 UOC Level 3 Prescribed Electives (See notes 3)	6 UOC Level 3 Prescribed Electives (See notes 3)
6 UOC Level 3 Prescribed Electives (See notes 3)	6 UOC SCI Elective	6 UOC SCI Elective
6 UOC SCI Elective	6 UOC SCI Elective	

NOTES	This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.
	See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.
	Note 1: Mathematics Level 1 Core: MATH1041 (T1, T2, T3) or MATH1031 (T1, T3) or MATH1131 (T1, T2, T3) or MATH1141 (T1, T3) or MATH1151 (T1)
	Note 2: Level 2 Prescribed Electives : ANAT2341 (T3), ANAT2521 (Summer, T2), PATH2201(T3), PHSL2101 (T1), PHSL2201 (T2) Note 3: Level 3 Prescribed Electives : ANAT3121 (T1), ANAT3131 (T2), ANAT3141 (T3), ANAT3411 (T1), NEUR3211 (T3), SOMS3232 (T3) Science Electives: See Handbook

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2023 Commencing Students – Single Degree – Major in Biological Chemistry ([CHEMJ1](#))

Choose from available proposed courses in each year

Year 1			Year 2			Year 3		
BABS1201 (T1, T3)	CHEM1021 (T1, T2, T3)	6 UOC Science Elective	CHEM2041 (T1, T3)	CHEM2021 (T2)	CHEM2031 (T3)	CHEM3021 (T1)	6 UOC Level 3 Prescribed Elective (See Note 1)	CHEM3901 (T3)
CHEM1011 (T1, T2, T3)	6 UOC Science Elective	6 UOC Free Elective	6 UOC Science Elective	BIOC2101 (T2) OR BIOC2181 (T2)	BIOC2201 (T3)	6 UOC Science Elective	6 UOC Free Elective	6 UOC Free Elective
MATH1031 (T1, 3) OR MATH1041 (T1, T2, T3)	6 UOC General Education		6 UOC General Education	6 UOC Free Elective		6 UOC Free Elective	6 UOC Free Elective	

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Note 1: Any Level 3 CHEM, BIOC or BABS course (Recommended: CHEM6041)

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2023 Commencing Students – Single Degree – Major in Biology ([BIOSJ1](#))

Choose from available proposed courses in each year

Year 1		
BIOS1301 (T1)	BIOS1101 (T2)	BEES1041 (T3)
BABS1201 (T1, T3)	MATH1041 (T1, T2, T3)	6 UOC Science Elective
6 UOC Free Elective	6 UOC Free Elective	

Year 2		
BEES2041 (T1)	6 UOC Level 2 Prescribed Elective (See Note 1)	6 UOC Level 2 Prescribed Elective (See Note 1)
6 UOC Level 2 Prescribed Elective (See Note 1)	6 UOC Science Elective	6 UOC Free Elective
6 UOC Free Elective	6 UOC General Education	

Year 3		
BIOS3171 (T3)	6 UOC Level 3 Prescribed Elective (See Note 2)	6 UOC Level 3 Prescribed Elective (See Note 2)
6 UOC Level 3 Prescribed Elective (See Note 2)	6 UOC Science Elective	6 UOC Free Elective
6 UOC Free Elective	6 UOC General Education	

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	See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.
	<p>Note 1: Level 2 Prescribed Electives: BIOS2011 (T1), BIOS2500 (T2), BIOS2061 (T2), BIOS2031 (T3), BIOS2051 (T3), BIOS2123 (T3),</p> <p>Note 2: Level 3 Prescribed Electives: GEOS3911 (T1), BIOS3601 (T1), BIOS3081 (T1), BIOS6723 (T2), BEES3041 (T2), BIOS3011 (T2), BIOS3061 (T2), BIOS3161 (T2), BIOS3221 (T3), BIOS6671 (T3)</p>

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2023 Commencing Students – Single Degree – Major in Biotechnology ([BIOTA1](#))

Choose from available proposed courses in each year

Year 1			Year 2			Year 3		
BABS1201 (T1, T3)	BABS1202 (T2)	6 UOC Science Elective	BABS2011 (T1)	BIOC2101 (T2)	BIOC2201 (T3)	BABS3071 (T1)	BABS3031 (T2)	BABS3061 (T3)
CHEM1011 (T1, T2, T3) OR CHEM1031 (T1)	CHEM1021 (T1, T2, T3) OR CHEM1041 (T2)	6 UOC General Education	MICR2011 (T1)	6 UOC Science Elective	6 UOC Free Elective	6 UOC Free Elective	6 UOC Free Elective	BABS3200 (T3)
MATH1031 (T1, T3) OR MATH1131 (T1, T2, T3) OR MATH1141 (T1, T3)	MATH1041 (T1, T2, T3) OR MATH1231 (T1, T2, T3) OR MATH1241 (T1, T2)		6 UOC General Education	6 UOC Free Elective		6 UOC Free Elective	6 UOC Free Elective	

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2023 Commencing Students – Single Degree – Major in Ecology ([BIOSG1](#))

Choose from available proposed courses in each year

Year 1			Year 2			Year 3		
BIOS1301 (T1)	GEOS1701 (T2)	BEES1041 (T3)	BEES2041 (T1)	GEOS2711 (T2)	6 UOC Level 2 Prescribed Elective (See Notes 1)	BIOS3601 (T1)	6 UOC Level 3 Prescribed Elective (See Notes 2)	BIOS6671 (T3)
MATH1041 (T1, T2, T3)	BIOS1101 (T2)	6 UOC BABS****	BIOS2011 (T1)	6 UOC Science Elective	6 UOC Free Elective	6 UOC Free Elective	6 UOC Science Elective	BIOS3061 (T3)
6 UOC Free Elective	6 UOC Free Elective		6 UOC Free Elective	6 UOC General Education		6 UOC Free Elective	6 UOC General Education	

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	<p>Note 1: Level 2 Ecology Prescribed Electives: BIOS2061 (T2), GEOS2821 (T2), BIOS2031 (T3), BIOS2051 (T3), BIOS2123 (T3),</p> <ul style="list-style-type: none"> • Students who wish to take GEOS2821 are required to take one of GEOS1111 OR GEOS1211 as a science elective. <p>Note 2: Level 3 Ecology Prescribed Electives: GEOS3911 (T1), BIOS3081 (T1), BIOS3161 (T1), BEES3041 (T2), BIOS3011 (T2), BIOS6723 (T2), BIOS3171 (T3)</p>

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2023 Commencing Students – Single Degree – Major in Genetics ([BIOCC1](#))
Choose from available proposed courses in each year

Year 1			Year 2			Year 3		
BABS1201 (T1, T3)	BABS1202 (T2)	6 UOC Free Elective	MICR2011 (T1)	BABS2202 (T2)	BIOC2201 (T3)	BABS3121 (T1)	6 UOC Level 3 Prescribed Elective (See Note 1)	6 UOC Level 3 Prescribed Elective (See Note 1)
CHEM1011 (T1, T2, T3) OR CHEM1031 (T1)	CHEM1021 (T1, T2, T3) OR CHEM1041 (T2)	6 UOC Free Elective	6 UOC BIOS****	BIOC2101 (T2) OR BINF2010 (T3)	BABS2204 (T3) OR BABS2264 (T3)	BABS3291 (T1)	6 UOC Free Elective	6 UOC Free Elective
MATH1131 (T1, T2, T3) OR MATH1141 (T1, T3) OR MATH1031 (T1, T3)	MATH1231 (T1, T2, T3) OR MATH1241 (T1, T2) OR MATH1041 (T1, T2, T3)		6 UOC Free Elective	6 UOC General Education		6 UOC Free Elective	6 UOC General Education	

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	See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.
	Note 1: Level 3 Prescribed Electives: BABS3151 (T2), BINF3010 (T2), BABS3021 (T3), MICR3621 (T3)

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2023 Commencing Students – Single Degree – Major in Immunology ([MICRJ1](#))
Choose from available proposed courses in each year

Year 1			Year 2			Year 3		
BABS1201 (T1, T3)	BIOS1101 (T2)	6 UOC Science Elective	MICR2011 (T1)	ANAT2241 (T2)	PATH2201 (T3)	BABS3041 (T1)	6 UOC Science Elective	PATH3209 (T3)
CHEM1011 (T1, T2, T3) OR CHEM1031 (T1)	CHEM1021 (T1, T2, T3) OR CHEM1041 (T2)	6 UOC Free Elective	6 UOC Science Elective	BABS2202 (T2)	6 UOC Free Elective	PATH3205 (T1) OR BABS3081 (T2) OR MICR3061 (T3)	6 UOC Science Elective	6 UOC Free Elective
6 UOC Free Elective	6 UOC Free Elective		6 UOC General Education	BIOC2101 (T2)		6 UOC Free Elective	6 UOC General Education	

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2023 Commencing Students – Single Degree – Major in Marine and Coastal Science ([MSCIM1](#))

Choose from available proposed courses in each year

Year 1		
BABS1201 (T1, T3)	MSCI1001 (T2)	BEES1041 (T3)
MATH1041 (T1, T2, T3)	BIOS1101 (T2)	6 UOC Free Elective
BIOS1301 (T1) OR GEOS1701 (T2)	6 UOC Free Elective	

Year 2		
BEES2041 (T1)	GEOS2821 (T2)	BIOS2091 (T3)
6 UOC Free Elective	6 UOC Science Elective	BIOS2031 (T3)
6 UOC Free Elective	6 UOC General Education	

Year 3		
BIOS3081 (T1)	MSCI3001 (T2)	6 UOC Level 3 Prescribed Elective (See Note 1)
6 UOC Free Elective	6 UOC Science Elective	6 UOC Science Elective
6 UOC Free Elective	6 UOC General Education	

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2023 Commencing Students – Single Degree – Major in Microbiology ([MICRB1](#))

Choose from available proposed courses in each year

Year 1		
BABS1201 (T1, T3)	BABS1202 (T2)	CHEM1021 (T1, T3) OR CHEM1041 (T2)
CHEM1011 (T1, T2, T3) OR CHEM1031 (T1)	6 UOC Science Elective	6 UOC Science Elective
6 UOC Mathematics Level 1 Core (See notes 1)	6 UOC Mathematics Level 1 Core (See notes 2)	

Year 2		
MICR2011 (T1)	BABS2202 (T2)	BIOC2201 (T3)
6 UOC Free Elective	BABS2204 (T3) OR BIOC2101 (T2)	6 UOC Free Elective
6 UOC Free Elective	6 UOC Free Elective	

Year 3		
6 UOC from Level 3 Prescribed Electives (See notes 3)	6 UOC from Level 3 Prescribed Electives (See notes 3)	6 UOC from Level 3 Prescribed Electives (See notes 3)
6 UOC from Level 3 Prescribed Electives (See notes 3)	6 UOC General Education	6 UOC General Education
6 UOC Free Elective	6 UOC Free Elective	

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	See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.
	Note 1: 6 UOC Mathematics level 1 Core: MATH1031 (T1, T3) or MATH1131 (T1, T2, T3) or MATH1141 (T1, T3)
	Note 2: 6 UOC Mathematics level 1 Core: MATH1041 (T1, T2, T3) or MATH1231 (T1, T2, T3) or MATH1241 (T1, T2)
	Note 3: 6 UOC from Level 3 Prescribed Electives: BABS3081 (T2), MICR3061 (T3), MICR3071 (T1), BABS3041 (T1), BABS3021 (or MICR3621) (T3), BABS3061 (T3), BABS3200 (T3)

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2023 Commencing Students – Single Degree – Major in Molecular and Cell Biology ([BIOCM1](#))

Choose from available proposed courses in each year

Year 1		
BABS1201 (T1, T3)	BABS1202 (T2)	6 UOC Free Elective
MATH1131 (T1, T2, T3) OR MATH1141 (T1, T3) OR MATH1031 (T1, T3)	MATH1231 (T1, T2, T3) OR MATH1241 (T1, T2) OR MATH1041 (T1, T2, T3)	6 UOC Free Elective
CHEM1011 (T1, T2, T3) OR CHEM1031 (T1)	CHEM1021 (T1, T2, T3) OR CHEM1041 (T2)	

Year 2		
MICR2011 (T1) OR BABS2204 (T3) OR BABS2264 (T3)	BABS2202 (T2)	BIOC2201 (T3)
6 UOC BIOS****	BIOC2101 (T2)	6 UOC Free Elective
6 UOC Free Elective	6 UOC General Education	

Year 3		
BABS3121 (T1)	BIOC3111 (T2)	BIOC3261 (T3)
6 UOC Science Elective	BIOC3271 (T2) OR BIOC3671 (T2)	6 UOC Science Elective
6 UOC Free Elective	6 UOC General Education	

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2023 Commencing Students – Single Degree – Major in Pathology ([PATHA1](#))

Choose from available proposed courses in each year

Year 1			Year 2			Year 3		
BABS1201 (T1, T3)	BIOS1101 (T2)	6 UOC Free Elective	6 UOC Science Elective	ANAT2241 (T2)	PATH2201 (T3)	PATH3205 (T1)	PATH3206 (T2)	6 UOC Science Elective
CHEM1011 (T1, T2, T3) OR CHEM1031 (T1)	CHEM1021 (T1, T2, T3) OR CHEM1041 (T2)	6 UOC Free Elective	6 UOC Level 2 Prescribed Elective (See Note 1)	BIOC2101 OR BIOC2181 (T2)	6 UOC Science Elective	6 UOC Level 3 Prescribed Elective (See Note 2)	6 UOC Science Elective	6 UOC Science Elective
6 UOC Free Elective	6 UOC Free Elective		6 UOC Free Elective	6 UOC Free Elective		6 UOC General Education	6 UOC General Education	

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	See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan. Note 1: ANAT2111 (T1), BABS2202 (T2), MICR2011 (T1) Note 2: BABS34041 (T1), PATH3207 (T3), SOMS3232 (T2), PATH3210 (T1), PATH3209 (T3)

Science

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2023 Commencing Students – Single Degree – Major in Pharmacology ([PHARA1](#))

Choose from available proposed courses in each year



Year 1		
BABS1201 (T1, T3)	MATH1031 (T1,T3) OR MATH1041 (T1, T2, T3) OR MATH1131 (T1,T2,T3) OR MATH1141 (T1,T3) OR MATH1151 (T1)	6 UOC Free Elective
CHEM1011 (T1, T2, T3) OR CHEM1031 (T1)	CHEM1021 (T1, T2, T3) OR CHEM1041 (T2)	6 UOC Free Elective
6 UOC Free Elective	6 UOC Free Elective	

Year 2		
6 UOC Science Elective BIOS####^	6 UOC Science Elective	PHAR2011 (T3)
PHSL2101 (T1)	6 UOC Level 2 Prescribed Elective (See Note 1)	6 UOC Level 2 Prescribed Elective (See Note 1)
6 UOC Free Elective	6 UOC Free Elective	

Year 3		
6 UOC Level 3 Prescribed Elective (See Note 2)	6 UOC Level 3 Prescribed Elective (See Note 2)	6 UOC Science Elective
6 UOC Level 3 Prescribed Elective (See Note 2)	6 UOC Science Elective	6 UOC Science Elective
6 UOC General Education	6 UOC General Education	

NOTES	<p>This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here. See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.</p> <p>^ Note: Students must complete at least 6 UOC of courses with the course code BABS####, and at least 6 UOC of courses with the course code BIOS####.</p> <p>Note 1: PHSL2101 (T1), BABS2202 (T2), BIOC2101 OR BIOC2181 (T2), BIOC2201 (T3), CHEM2021 (T2), CHEM2041 (T1,T3)</p> <p>Note 2: PHAR3101 (T3), PHAR3102 (T1), PHAR3202 (T2), PHAR3251 (T1)</p>
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Bachelor of Life Science (3966)



2023 Commencing Students – Single Degree – Major in Physiology ([PHSLA1](#))

Choose from available proposed courses in each year

Year 1		
BABS1201 (T1, T3)	6 UOC Level 1 Prescribed Elective	6 UOC Science Elective
CHEM1011 (T1, T2, T3) OR CHEM1031 (T1)	6 UOC Science Elective	6 UOC Free Elective
MATH1031 (T1, T3) OR MATH1041 (T1, T2, T3) OR MATH1131 (T1, T2, T3) OR MATH1141 (T1, T3) OR MATH1151 (T1)	6 UOC General Education	

Year 2		
PHSL2101 (T1)	PHSL2201 (T2)	6 UOC Level 2 Prescribed Elective
6 UOC Science Elective	6 UOC Level 2 Prescribed Elective	6 UOC Free Elective
6 UOC Science Elective	6 UOC General Education	

Year 3		
6 UOC Level 3 Prescribed Elective	6 UOC Level 3 Prescribed Elective	6 UOC Level 3 Prescribed Elective
6 UOC Science Elective	6 UOC Free Elective	6 UOC Free Elective
6 UOC Free Elective	6 UOC Free Elective	

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	Level 1 Prescribed Elective: BIOS1101 (T2), CHEM1021 (T1, T2, T3), CHEM1041 (T2), PHYS1111 (T1, T3), PHYS1121 (T1, T2, T3), PHYS1131 (T1, T2, T3) Level 2 Prescribed Elective: BIOC2101 (T2) or BIOC2181 (T2), NEUR2201 (T2), BIOC2201 (T3), PHAR2011 (T3) Level 3 Prescribed Elective: NEUR3121 (T1), NEUR3101 (T2), PHSL3211 (T2), NEUR3221 (T3), PHSL3221 (T3)

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2023 Commencing Students – Single Degree – Major in Psychology ([PSYCA1](#))

Choose from available proposed courses in each year

Year 1			Year 2			Year 3		
PSYC1001 (T1, T2)	PSYC1011 (T2, T3)	PSYC1111 (T3)	PSYC2001 (T1)	PSYC2081 (T2)	PSYC2101 (T3)	PSYC3001 (T1)	6 UOC Level 3 Prescribed Elective (See Note 1)	PSYC3011 (T3)
6 UOC BABS****	6 UOC BIOS****	6 UOC Science Elective	PSYC2061 (T1)	6 UOC Free Elective	PSYC2071 (T3)	6 UOC Level 3 Prescribed Elective (See Note 1)	6 UOC Level 3 Prescribed Elective (See Note 1)	6 UOC Free Elective
6 UOC Free Elective	6 UOC Free Elective		6 UOC Free Elective	6 UOC General Education		6 UOC Free Elective	6 UOC General Education	

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Note 1: Level 3 Prescribed Electives - Students must take 18 UOC of the following courses with at least 6 UOC from List A and 6 UOC from List B.

- List A: PSYC3211 (T1), PSYC3221 (T1), PSYC3241 (T1), PSYC3051 (T2), PSYC3311 (T2), PSYC3371 (T3)
- List B: PSYC3341 (T2), PSYC3361 (T2), PSYC3301 (T2), PSYC3121 (T3), PSYC3202 (T3), PSYC3331 (T3)