

Science

Bachelor of Medical Science (3991) - [Handbook](#)

2024 Commencing Students
Program Structure



Single Degree Mode

PROGRAM STRUCTURE	Medical Science	120 UOC (20 courses)	120 UOC	144 UOC
	Free Electives	12 UOC (2 courses)	36 UOC	
	General Education	12 UOC (2 courses)		

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

General Education must be taken from courses that are not considered [Science Electives](#) or from the Faculty of Medicine.

Science students cannot take GENS or GENM courses under any circumstance

Students 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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2024 Commencing Students – Single Degree – No Major or Unsure ([3991](#))

Choose from available proposed courses in each year

Year 1			Year 2			Year 3		
BABS1201 (T1, T3)	ANAT1521 (T2)	MATH1041 (T1, T2, T3)	PHSL2101 (T1)	BIOC2101 (T2)	BIOC2201 (T3)	6 UOC Level 3 Prescribed Elective (See Note 1)	6 UOC Level 3 Prescribed Elective (See Note 1)	6 UOC Level 3 Prescribed Elective (See Note 1)
CHEM1011 (T1, T2, T3)	CHEM1021 (T1, T2, T3)	6 UOC Free Elective	MICR2011 (T1)	ANAT2241 (T2)	PHAR2011 (T3)	6 UOC Level 3 Prescribed Elective (See Note 1)	6 UOC Science Elective	6 UOC General Education
SCIFF1111 (T1) OR SCIF1131 (T1, T3)	*BIOS1101 (T2) OR BABS2202 (T2) OR BABS2204 (T3)			PHSL2201 (T2)	PATH2201 (T3)	6 UOC Free Elective	6 UOC General Education	

NOTES

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*Note: Students who have not decided on a Major will need to carefully choose BIOS1101 or BABS2202 or BABS2204. These courses are required courses for particular Majors, see the following pages for the Major structure and choose the courses accordingly to plan ahead.

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: ANAT3121, ANAT3131, ANAT3141, ANAT3411, BABS3021, BABS3041, BABS3061, BABS3071, BABS3081, BABS3121, BABS3151, BABS3281, BABS3291, BABS3301, BIOC3111, BIOC3261, BIOC3271, BIOC3671, MICR3061, MICR3621, NEUR3101, NEUR3121, NEUR3221, PATH3205, PATH3206, PATH3207, PATH3209, PHAR3101, PHAR3102, PHAR3202, PHAR3251, PHSL3211, PHSL3221, SOMS3001

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2024 Commencing Students – Single Degree – Major in Human Anatomy ([ANATE1](#))
Choose from available proposed courses in each year

Year 1		
BABS1201 (T1, T3)	ANAT1521 (T2)	MATH1041 (T1, T2, T3)
CHEM1011 (T1, T2, T3)	CHEM1021 (T1, T2, T3)	6 UOC Free Elective
SCIF1111 (T1) OR SCIF1131 (T1, T3)	BIOS1101 (T2) OR BABS2202 (T2) OR BABS2204 (T3)	

Year 2		
PHSL2101 (T1)	BIOC2101 (T2)	BIOC2201 (T3)
MICR2011 (T1)	ANAT2241 (T2)	PHAR2011 (T3)
	PHSL2201 (T2)	PATH2201 (T3)

Year 3		
6 UOC Human Anatomy Prescribed Elective (See Note 1)	6 UOC Human Anatomy Prescribed Elective (See Note 1)	6 UOC Human Anatomy Prescribed Elective (See Note 1)
6 UOC Level 3 Prescribed Elective (See Note 2)	6 UOC Science 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.
	<p>Note 1: Human Anatomy Prescribed Electives: ANAT3121, ANAT3131, ANAT3141, ANAT3411, SOMS3232</p> <p>Note 2: Level 3 Prescribed Electives: ANAT3121, ANAT3131, ANAT3141, ANAT3411, BABS3021, BABS3041, BABS3061, BABS3071, BABS3081, BABS3121, BABS3151, BABS3281, BABS3291, BABS3301, BIOC3111, BIOC3261, BIOC3271, BIOC3671, MICR3061, MICR3621, NEUR3101, NEUR3121, NEUR3221, PATH3205, PATH3206, PATH3207, PATH3209, PHAR3101, PHAR3102, PHAR3202, PHAR3251, PHSL3211, PHSL3221, SOMS3001</p>

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2024 Commencing Students – Single Degree – Major in Molecular Biology ([BIOCH1](#))
Choose from available proposed courses in each year

Year 1		
BABS1201 (T1, T3)	ANAT1521 (T2)	MATH1041 (T1, T2, T3)
CHEM1011 (T1, T2, T3)	CHEM1021 (T1, T2, T3)	6 UOC Free Elective
SCIFF1111 (T1) OR SCIF1131 (T1, T3)	BABS2202 (T2)	

Year 2		
PHSL2101 (T1)	BIOC2101 (T2)	BIOC2201 (T3)
MICR2011 (T1)	ANAT2241 (T2)	PHAR2011 (T3)
	PHSL2201 (T2)	PATH2201 (T3)

Year 3		
BABS3121 (T1)	BIOC3271 (T2)	6 UOC Molecular Biology Prescribed Elective (See Note 1)
6 UOC Level 3 Prescribed Elective (See Note 2)	6 UOC Level 3 Prescribed Elective (See Note 2)	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.
	<p>Note 1: Molecular Biology Prescribed Electives: BABS3021, BABS3281, BIOC3111, BIOC3261</p> <p>Note 2: Level 3 Prescribed Electives: ANAT3121, ANAT3131, ANAT3141, ANAT3411, BABS3021, BABS3041, BABS3061, BABS3071, BABS3081, BABS3121, BABS3151, BABS3281, BABS3291, BABS3301, BIOC3111, BIOC3261, BIOC3271, BIOC3671, MICR3061, MICR3621, NEUR3101, NEUR3121, NEUR3221, PATH3205, PATH3206, PATH3207, PATH3209, PHAR3101, PHAR3102, PHAR3202, PHAR3251, PHSL3211, PHSL3221, SOMS3001</p>

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2024 Commencing Students – Single Degree – Major in Molecular Genetics ([BIOC11](#))

Choose from available proposed courses in each year

Year 1		
BABS1201 (T1, T3)	ANAT1521 (T2)	MATH1041 (T1, T2, T3)
CHEM1011 (T1, T2, T3)	CHEM1021 (T1, T2, T3)	6 UOC Free Elective
SCIFF1111 (T1) OR SCIF1131 (T1, T3)	BABS2204 (T3)	

Year 2		
PHSL2101 (T1)	BIOC2101 (T2)	BIOC2201 (T3)
MICR2011 (T1)	ANAT2241 (T2)	PHAR2011 (T3)
	PHSL2201 (T2)	PATH2201 (T3)

Year 3		
BABS3291 (T1)	BABS3151 (T2)	6 UOC Molecular Genetics Prescribed Elective (See Note 1)
6 UOC Level 3 Prescribed Elective (See Note 2)	6 UOC Level 3 Prescribed Elective (See Note 2)	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.
	<p>Note 1: Molecular Genetics Prescribed Electives: BABS3021, BABS3281, BINF3010, MICR3621</p> <p>Note 2: Level 3 Prescribed Electives: ANAT3121, ANAT3131, ANAT3141, ANAT3411, BABS3021, BABS3041, BABS3061, BABS3071, BABS3081, BABS3121, BABS3151, BABS3281, BABS3291, BABS3301, BIOC3111, BIOC3261, BIOC3271, BIOC3671, MICR3061, MICR3621, NEUR3101, NEUR3121, NEUR3221, PATH3205, PATH3206, PATH3207, PATH3209, PHAR3101, PHAR3102, PHAR3202, PHAR3251, PHSL3211, PHSL3221, SOMS3001</p>

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2024 Commencing Students – Single Degree – Major in Medical Microbiology ([MICRH1](#))

Choose from available proposed courses in each year

Year 1		
BABS1201 (T1, T3)	ANAT1521 (T2)	MATH1041 (T1, T2, T3)
CHEM1011 (T1, T2, T3)	CHEM1021 (T1, T2, T3)	6 UOC Free Elective
SCIFF1111 (T1) OR SCIF1131 (T1, T3)	BABS2202 (T2)	

Year 2		
PHSL2101 (T1)	BIOC2101 (T2)	BIOC2201 (T3)
MICR2011 (T1)	ANAT2241 (T2)	PHAR2011 (T3)
	PHSL2201 (T2)	PATH2201 (T3)

Year 3		
6 UOC Medical Microbiology Prescribed Elective (See Note 1)	6 UOC Medical Microbiology Prescribed Elective (See Note 1)	6 UOC Medical Microbiology Prescribed Elective (See Note 1)
6 UOC Level 3 Prescribed Elective (See Note 2)	6 UOC Level 3 Prescribed Elective (See Note 2)	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.
	<p>Note 1: Medical Microbiology Prescribed Electives: BABS3021, BABS3041, BABS3081, MICR3061, MICR3071</p> <p>Note 2: Level 3 Prescribed Electives: ANAT3121, ANAT3131, ANAT3141, ANAT3411, BABS3021, BABS3041, BABS3061, BABS3071, BABS3081, BABS3121, BABS3151, BABS3281, BABS3291, BABS3301, BIOC3111, BIOC3261, BIOC3271, BIOC3671, MICR3061, MICR3621, NEUR3101, NEUR3121, NEUR3221, PATH3205, PATH3206, PATH3207, PATH3209, PHAR3101, PHAR3102, PHAR3202, PHAR3251, PHSL3211, PHSL3221, SOMS3001</p>

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2024 Commencing Students – Single Degree – Major in Medical Immunology ([MICRK1](#))
Choose from available proposed courses in each year

Year 1		
BABS1201 (T1, T3)	ANAT1521 (T2)	MATH1041 (T1, T2, T3)
CHEM1011 (T1, T2, T3)	CHEM1021 (T1, T2, T3)	6 UOC Free Elective
SCIFF1111 (T1) OR SCIF1131 (T1, T3)	BABS2202 (T2)	

Year 2		
PHSL2101 (T1)	BIOC2101 (T2)	BIOC2201 (T3)
MICR2011 (T1)	ANAT2241 (T2)	PHAR2011 (T3)
	PHSL2201 (T2)	PATH2201 (T3)

Year 3		
BABS3041 (T1)	6 UOC Level 3 Prescribed Elective (See Note 2)	PATH3209 (T3)
MICR3061 (T3) OR PATH3205 (T1)	6 UOC Free Elective	6 UOC General Education
6 UOC Level 3 Prescribed Elective (See Note 2)	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: Medical Immunology Prescribed Electives: MICR3061, PATH3205</p> <p>Note 2: Level 3 Prescribed Electives: ANAT3121, ANAT3131, ANAT3141, ANAT3411, BABS3021, BABS3041, BABS3061, BABS3071, BABS3081, BABS3121, BABS3151, BABS3281, BABS3291, BABS3301, BIOC3111, BIOC3261, BIOC3271, BIOC3671, MICR3061, MICR3621, NEUR3101, NEUR3121, NEUR3221, PATH3205, PATH3206, PATH3207, PATH3209, PHAR3101, PHAR3102, PHAR3202, PHAR3251, PHSL3211, PHSL3221, SOMS3001</p>

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2024 Commencing Students – Single Degree – Major in Neurobiology ([NEURB1](#))
Choose from available proposed courses in each year

Year 1		
BABS1201 (T1, T3)	ANAT1521 (T2)	MATH1041 (T1, T2, T3) OR MATH1131 (T1, T2, T3) OR MATH1141 (T1, T3)
CHEM1011 (T1, T2, T3)	CHEM1021 (T1, T2, T3)	6 UOC Free Elective
SCIFF1111 (T1) OR SCIF1131 (T1, T3)	BIOS1101 (T2) OR BABS2202 (T2) OR BABS2204 (T3)	

Year 2		
PHSL2101 (T1)	BIOC2101 (T2)	BIOC2201 (T3)
MICR2011 (T1)	ANAT2241 (T2)	PHAR2011 (T3)
	PHSL2201 (T2)	PATH2201 (T3)

Year 3		
6 UOC Neurobiology Prescribed Elective (See Note 1)	6 UOC Neurobiology Prescribed Elective (See Note 1)	6 UOC Neurobiology Prescribed Elective (See Note 1)
6 UOC Level 3 Prescribed Elective (See Note 2)	6 UOC Level 3 Prescribed Elective (See Note 2)	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.
	<p>Note 1: Neurobiology Prescribed Electives: ANAT3411, NEUR3101, NEUR3121, NEUR3221, PHAR3202</p> <p>Note 2: Level 3 Prescribed Electives: ANAT3121, ANAT3131, ANAT3141, ANAT3411, BABS3021, BABS3041, BABS3061, BABS3071, BABS3081, BABS3121, BABS3151, BABS3281, BABS3291, BABS3301, BIOC3111, BIOC3261, BIOC3271, BIOC3671, MICR3061, MICR3621, NEUR3101, NEUR3121, NEUR3221, PATH3205, PATH3206, PATH3207, PATH3209, PHAR3101, PHAR3102, PHAR3202, PHAR3251, PHSL3211, PHSL3221, SOMS3001</p>

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2024 Commencing Students – Single Degree – Major in Human Pathology ([PATHC1](#))
Choose from available proposed courses in each year

Year 1			Year 2			Year 3		
BABS1201 (T1, T3)	ANAT1521 (T2)	MATH1041 (T1, T2, T3)	PHSL2101 (T1)	BIOC2101 (T2)	BIOC2201 (T3)	6 UOC Human Pathology Elective List 1 (See Note 1)	6 UOC Human Pathology Elective List 2 (See Note 1)	6 UOC Human Pathology Elective List 1 or 2 (See Note 1)
CHEM1011 (T1, T2, T3)	CHEM1021 (T1, T2, T3)	6 UOC Free Elective	MICR2011 (T1)	ANAT2241 (T2)	PHAR2011 (T3)	6 UOC Level 3 Prescribed Elective (See Note 2)	6 UOC Level 3 Prescribed Elective (See Note 2)	6 UOC General Education
SCIFF1111 (T1) OR SCIF1131 (T1, T3)	BIOS1101 (T2) OR BABS2202 (T2) OR BABS2204 (T3)			PHSL2201 (T2)	PATH2201 (T3)	6 UOC Free Elective	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.</p> <p>See Program Structure on page 1 for a guide on the terminology and colour codes used in this progression plan.</p> <p>Note 1: Human Pathology Prescribed Electives - Students must complete at least 6 UOC from list 1 and 6 UOC from list 2</p> <ul style="list-style-type: none"> List 1: PATH3205, PATH3206 List 2: PATH3207, PATH3209, PATH3210, SOMS3232 <p>Note 2: Level 3 Prescribed Electives: ANAT3121, ANAT3131, ANAT3141, ANAT3411, BABS3021, BABS3041, BABS3061, BABS3071, BABS3081, BABS3121, BABS3151, BABS3281, BABS3291, BABS3301, BIOC3111, BIOC3261, BIOC3271, BIOC3671, MICR3061, MICR3621, NEUR3101, NEUR3121, NEUR3221, PATH3205, PATH3206, PATH3207, PATH3209, PHAR3101, PHAR3102, PHAR3202, PHAR3251, PHSL3211, PHSL3221, SOMS3001</p>
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2024 Commencing Students – Single Degree – Major in Medical Pharmacology ([PHARC1](#))
Choose from available proposed courses in each year

Year 1		
BABS1201 (T1, T3)	ANAT1521 (T2)	MATH1041 (T1, T2, T3) OR MATH1131 (T1, T2, T3) OR MATH1141 (T1, T3)
CHEM1011 (T1, T2, T3)	CHEM1021 (T1, T2, T3)	6 UOC Free Elective
SCIFF1111 (T1) OR SCIF1131 (T1, T3)	BIOS1101 (T2) OR BABS2202 (T2) OR BABS2204 (T3)	

Year 2		
PHSL2101 (T1)	BIOC2101 (T2)	BIOC2201 (T3)
MICR2011 (T1)	ANAT2241 (T2)	PHAR2011 (T3)
	PHSL2201 (T2)	PATH2201 (T3)

Year 3		
6 UOC Medical Pharmacology Prescribed Elective (See Note 1)	6 UOC Medical Pharmacology Prescribed Elective (See Note 1)	6 UOC Medical Pharmacology Prescribed Elective (See Note 1)
6 UOC Level 3 Prescribed Elective (See Note 2)	6 UOC Level 3 Prescribed Elective (See Note 2)	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.
	<p>Note 1: Medical Pharmacology Prescribed Electives: PHAR3101, PHAR3102, PHAR3202, PHAR3251</p> <p>Note 2: Level 3 Prescribed Electives: ANAT3121, ANAT3131, ANAT3141, ANAT3411, BABS3021, BABS3041, BABS3061, BABS3071, BABS3081, BABS3121, BABS3151, BABS3281, BABS3291, BABS3301, BIOC3111, BIOC3261, BIOC3271, BIOC3671, MICR3061, MICR3621, NEUR3101, NEUR3121, NEUR3221, PATH3205, PATH3206, PATH3207, PATH3209, PHAR3101, PHAR3102, PHAR3202, PHAR3251, PHSL3211, PHSL3221, SOM3001</p>

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2024 Commencing Students – Single Degree – Major in Medical Physiology ([PHSLC1](#))
Choose from available proposed courses in each year

Year 1		
BABS1201 (T1, T3)	ANAT1521 (T2)	MATH1041 (T1, T2, T3) OR MATH1131 (T1, T2, T3) OR MATH1141 (T1, T3)
CHEM1011 (T1, T2, T3)	CHEM1021 (T1, T2, T3)	6 UOC Free Elective
SCIFF1111 (T1) OR SCIF1131 (T1, T3)	BIOS1101 (T2) OR BABS2202 (T2) OR BABS2204 (T3)	

Year 2		
PHSL2101 (T1)	BIOC2101 (T2)	BIOC2201 (T3)
MICR2011 (T1)	ANAT2241 (T2)	PHAR2011 (T3)
	PHSL2201 (T2)	PATH2201 (T3)

Year 3		
6 UOC Medical Physiology Prescribed Elective (See Note 1)	6 UOC Medical Physiology Prescribed Elective (See Note 1)	6 UOC Medical Physiology Prescribed Elective (See Note 1)
6 UOC Level 3 Prescribed Elective (See Note 2)	6 UOC Level 3 Prescribed Elective (See Note 2)	6 UOC General Education
6 UOC Free Elective	6 UOC General Education	

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	<p>Note 1: Medical Physiology Prescribed Electives: NEUR3101, NEUR3121, NEUR3221, PHSL3211, PHSL3221</p> <p>Note 2: Level 3 Prescribed Electives: ANAT3121, ANAT3131, ANAT3141, ANAT3411, BABS3021, BABS3041, BABS3061, BABS3071, BABS3081, BABS3121, BABS3151, BABS3281, BABS3291, BABS3301, BIOC3111, BIOC3261, BIOC3271, BIOC3671, MICR3061, MICR3621, NEUR3101, NEUR3121, NEUR3221, PATH3205, PATH3206, PATH3207, PATH3209, PHAR3101, PHAR3102, PHAR3202, PHAR3251, PHSL3211, PHSL3221, SOMS3001</p>