

Bachelor of Biomedical Science

(Information last updated on 17 October 2022)

Course Map

Bachelor of Biomedical Science (Brisbane, Melbourne and North Sydney)

Students commencing semester 1 2023 (no Major or Minor option)

YEAR 1: 2023				
SEM 1	BIOL123 Cells and Tissues – the Fabric of Life 10cp	BIOL125 Human Biology 1 10cp	CHEM105 Foundations of Chemistry 10cp	BMSC102 Numerical Reasoning 10cp
SEM 2	BMSC110 Communicating Ideas in Science 10 cp	BIOL126 Human Biology 2 10cp (Pre: BIOL125)	CHEM106 Physical and Organic Chemistry 10cp (Pre: CHEM105)	BMSC100 Introductory Biostatistics 10cp
YEAR 2: 2024				
SEM 1	BMSC209 Pathophysiology 10 cp (Pre: BIOL126 or BIOL204)	CHEM204 Biochemistry 10cp (Pre: CHEM106 OR CHEM112)	BIOL206 Human Genetics 10cp (Pre: BIOL123 or BIOL125)	Core Curriculum Unit 1 10cp See here for details
SEM 2	BMSC207 Microbiology and Immunology 10cp (Pre: BIOL123 OR BIOL125)	BIOL205 Pharmacology 1 10cp (Pre: BIOL124 OR BMSC209)	BMSC206 Introduction to Neuroscience 10cp (Pre: BIOL124 OR BIOL125)	BMSC208 Research Design and Ethics M 10cp
YEAR 3: 2025				
SEM 1	Core Curriculum Unit 2 10cp See here for details (Pre: Core Curriculum Unit 1)	BMSC301 Industry Immersion 1 10cp (Pre: BMSC208)	Elective Unit 10cp	Elective Unit 10cp
SEM 2	HLSC301 Community Engagement 10cp (Pre: UNCC100 or PHCC102 or PHCC104)	BIOL333 Exploring Problems and Ethical Issues in Human Health 10cp (Pre: BIOL205, BIOL206, BMSC206, BMSC207 AND BMSC209) M	Elective Unit 10cp	Elective Unit 10cp

^HLSC301 also runs in semester 1.

Students commencing Semester 1 2023 (Major Physiological Pharmacology – required units in red)

YEAR 1: 2023				
SEM 1	BIOL123 Cells and Tissues – the Fabric of Life 10cp	BIOL125 Human Biology 1 10cp	CHEM105 Foundations of Chemistry 10cp	BMSC102 Numerical Reasoning 10cp
SEM 2	BMSC110 Communicating Ideas in Science 10 cp	BIOL126 Human Biology 2 10cp (Pre: BIOL125)	CHEM106 Physical and Organic Chemistry 10cp (Pre: CHEM105)	BMSC100 Introductory Biostatistics 10cp
YEAR 2: 2024				
SEM 1	BMSC209 Pathophysiology 10 cp (Pre: BIOL126 or BIOL204)	CHEM204 Biochemistry 10cp (Pre: CHEM106 OR CHEM112)	BIOL206 Human Genetics 10cp (Pre: BIOL123 or BIOL125)	Core Curriculum Unit 1 10cp See here for details
SEM 2	BMSC207 Microbiology and Immunology 10cp (Pre: BIOL123 OR BIOL125)	BIOL205 Pharmacology 1 10cp (Pre: BIOL124 OR BMSC209)	BMSC206 Introduction to Neuroscience 10cp (Pre: BIOL124 OR BIOL125)	BMSC208 Research Design and Ethics 10cp M
YEAR 3: 2025				
SEM 1	Core Curriculum Unit 2 10cp See here for details	BMSC301 Industry Immersion 1 10cp (Pre: BMSC208)	BIOL334 Pharmacology 2 10cp (Pre: BIOL205) OR BMSC303 Drug development 10cp (Pre: BIOL205) M	BMSC309 Advanced Cardiovascular Physiology 10cp (Pre: BIOL124 or BIOL125) M
SEM 2	HLSC301 Community Engagement 10cp (Pre: UNCC100 or PHCC102 or PHCC104)	BIOL333 Exploring Problems and Ethical Issues in Human Health 10cp (Pre: BIOL205, BIOL206, BMSC206, BMSC207 AND BMSC209) M	BMSC304 Drug Regulation 10cp (Pre: BIOL205) MM	BMSC306 Advanced Physiology 10cp (Pre: BIOL126 OR BIOL204) M

^HLSC301 also runs in semester 1.

Bachelor of Biomedical Science

(Information last updated on 17 October 2022)

Students commencing Semester 1 2023 (Minor in Pharmacology Option – required units in red)

YEAR 1: 2023				
SEM 1	BIOL123 Cells and Tissues – the Fabric of Life 10cp	BIOL125 Human Biology 1 10cp	CHEM105 Foundations of Chemistry 10cp	BMSC102 Numerical Reasoning 10cp
SEM 2	BMSC110 Communicating Ideas in Science 10 cp	BIOL126 Human Biology 2 10cp <i>(Pre: BIOL125)</i>	CHEM106 Physical and Organic Chemistry 10cp <i>(Pre: CHEM105)</i>	BMSC100 Introductory Biostatistics 10cp
YEAR 2: 2024				
SEM 1	BMSC209 Pathophysiology 10 cp <i>(Pre: BIOL126 or BIOL204)</i>	CHEM204 Biochemistry 10cp <i>(Pre: CHEM106 OR CHEM112)</i>	BIOL206 Human Genetics 10cp <i>(Pre: BIOL123 or BIOL125)</i>	Core Curriculum Unit 1 10cp See here for details
SEM 2	BMSC207 Microbiology and Immunology 10cp <i>(Pre: BIOL123 OR BIOL125)</i>	BIOL205 Pharmacology 1 10cp <i>(Pre: BIOL124 OR BMSC209)</i>	BMSC206 Introduction to Neuroscience 10cp <i>(Pre: BIOL124 OR BIOL125)</i>	BMSC208 Research Design and Ethics 10cp M
YEAR 3: 2025				
SEM 1	Core Curriculum Unit 2 10cp See here for details	BMSC301 Industry Immersion 1 10cp <i>(Pre: BMSC208)</i>	BIOL334 Pharmacology 2 10 cp <i>(Pre: BIOL205)</i> OS	BMSC303 Drug development 10 cp <i>(Pre: BIOL205)</i> M
SEM 2	^HLSC301 Community Engagement 10cp <i>(Pre: UNCC100 or PHCC102 or PHCC104)</i>	BIOL333 Exploring Problems and Ethical Issues in Human Health 10cp <i>(Pre: BIOL205, BIOL206, BMSC206, BMSC207 AND BMSC209)</i> M	BMSC304 Drug regulation 10 cp <i>(Pre: BIOL205)</i> M	BMSC306 Advanced physiology 10 cp <i>(Pre: BIOL126 OR BIOL204)</i> M

^HLSC301 also runs in semester 1.

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(Information last updated on 17 October 2022)

Students who commenced in 2022 (no Major or Minor option)

YEAR 1: 2022				
SEM 1	BIOL123 Cells and Tissues – the Fabric of Life 10cp	BIOL125 Human Biology 1 10cp	CHEM105 Foundations of Chemistry 10cp	BMSC102 Numerical Reasoning 10cp
SEM 2	BMSC110 Communicating Ideas in Science 10 cp	BIOL126 Human Biology 2 10cp (Pre: BIOL125)	CHEM106 Physical and Organic Chemistry 10cp (Pre: CHEM105)	BMSC100 Introductory Biostatistics 10cp
YEAR 2: 2023				
SEM 1	BMSC209 Pathophysiology 10 cp (Pre: BIOL126 or BIOL204)	CHEM204 Biochemistry 10cp (Pre: CHEM106 OR CHEM112)	BIOL206 Human Genetics 10cp (Pre: BIOL123 or BIOL125)	Core Curriculum 100 level unit: 10cp See here for details
SEM 2	BMSC207 Microbiology and Immunology 10cp (Pre: BIOL123)	BIOL205 Pharmacology 1 10cp (Pre: BIOL124 or BMSC209)	BMSC206 Introduction to Neuroscience 10cp (Pre: BIOL124 or BIOL125)	BMSC208 Research Design and Ethics 10cp M
YEAR 3: 2024				
SEM 1	Core Curriculum Unit 2 10cp See here for details	BMSC301 Industry Immersion 1 10cp (Pre: BMSC208)	Elective Unit 10cp	Elective Unit 10cp
SEM 2	^HLSC301 Community Engagement 10cp (Pre: UNCC100 or PHCC102 or PHCC104)	BIOL333 Exploring Problems and Ethical Issues in Human Health 10cp (Pre: BIOL205, BIOL206, BMSC206, BMSC207 AND BMSC209) M	Elective Unit 10cp	Elective Unit 10cp

^HLSC301 also runs in semester 1.

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(Information last updated on 17 October 2022)

Students who commenced in 2022 (Major Physiological Pharmacology option)

YEAR 1: 2022				
SEM 1	BIOL123 Cells and Tissues – the Fabric of Life 10cp	BIOL125 Human Biology 1 10cp	CHEM105 Foundations of Chemistry 10cp	BMSC102 Numerical Reasoning 10cp
SEM 2	BMSC110 Communicating Ideas in Science 10 cp	BIOL126 Human Biology 2 10cp (Pre: BIOL125)	CHEM106 Physical and Organic Chemistry 10cp (Pre: CHEM105)	BMSC100 Introductory Biostatistics 10cp
YEAR 2: 2023				
SEM 1	BMSC209 Pathophysiology 10 cp (Pre: BIOL126 or BIOL204)	CHEM204 Biochemistry 10cp (Pre: CHEM106 OR CHEM112)	BIOL206 Human Genetics 10cp (Pre: BIOL123 or BIOL125)	Core Curriculum 100 level unit: 10cp See here for details
SEM 2	BMSC207 Microbiology and Immunology 10cp (Pre: BIOL123)	BIOL205 Pharmacology 1 10cp (Pre: BIOL124 or BMSC209)	BMSC206 Introduction to Neuroscience 10cp (Pre: BIOL124 or BIOL125)	BMSC208 Research Design and Ethics 10cp M
YEAR 3: 2024				
SEM 1	Core Curriculum Unit 2 10cp See here for details	BMSC301 Industry Immersion 1 10cp (Pre: BMSC208)	BIOL334 Pharmacology 2 10cp (Pre: BIOL205) OS OR BMSC303 Drug development 10cp (Pre: BIOL205) M	BMSC309 Advanced Cardiovascular Physiology 10cp (Pre: BIOL124 or BIOL125) M
SEM 2	^HLSC301 Community Engagement 10cp (Pre: UNCC100 or PHCC102 or PHCC104)	BIOL333 Exploring Problems and Ethical Issues in Human Health 10cp (Pre: BIOL205, BIOL206, BMSC206, BMSC207 AND BMSC209) M	BMSC304 Drug regulation 10 cp (Pre: BIOL205) M	BMSC306 Advanced physiology 10 cp (Pre: BIOL126 OR BIOL204) M

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(Information last updated on 17 October 2022)

Students who commenced in 2022 (Minor Pharmacology option)

YEAR 1: 2022				
SEM 1	BIOL123 Cells and Tissues – the Fabric of Life 10cp	BIOL125 Human Biology 1 10cp	CHEM105 Foundations of Chemistry 10cp	BMSC102 Numerical Reasoning 10cp
SEM 2	BMSC110 Communicating Ideas in Science 10 cp	BIOL126 Human Biology 2 10cp (Pre: BIOL125)	CHEM106 Physical and Organic Chemistry 10cp (Pre: CHEM105)	BMSC100 Introductory Biostatistics 10cp
YEAR 2: 2023				
SEM 1	BMSC209 Pathophysiology 10 cp (Pre: BIOL126 or BIOL204)	CHEM204 Biochemistry 10cp (Pre: CHEM106 OR CHEM112)	BIOL206 Human Genetics 10cp (Pre: BIOL123 or BIOL125)	Core Curriculum 100 level unit: 10cp See here for details
SEM 2	BMSC207 Microbiology and Immunology 10cp (Pre: BIOL123)	BIOL205 Pharmacology 1 10cp (Pre: BIOL124 or BMSC209)	BMSC206 Introduction to Neuroscience 10cp (Pre: BIOL124 or BIOL125)	BMSC208 Research Design and Ethics 10cp M
YEAR 3: 2024				
SEM 1	Core Curriculum Unit 2 10cp See here for details	BMSC301 Industry Immersion 1 10cp (Pre: BMSC208)	BIOL334 Pharmacology 2 10cp (Pre: BIOL205) OS	BMSC303 Drug development 10cp (Pre: BIOL205) M
SEM 2	HLSC301 Community Engagement 10cp (Pre: UNCC100 or PHCC102 or PHCC104)	BIOL333 Exploring Problems and Ethical Issues in Human Health 10cp (Pre: BIOL205, BIOL206, BMSC206, BMSC207 AND BMSC209) M	BMSC304 Drug regulation 10 cp (Pre: BIOL205) M	BMSC306 Advanced physiology 10 cp (Pre: BIOL126 OR BIOL204) M

HLSC301 also runs in semester 1.

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(Information last updated on 17 October 2022)

Students who commenced in 2021 (no Major or Minor option)

YEAR 1: 2021				
SEM 1	BIOL123 Cells and Tissues – the Fabric of Life 10cp	BIOL128 The Human Body 10cp	CHEM105 Foundations of Chemistry 10cp	BMSC102 Numerical Reasoning 10cp
SEM 2	BIOL124 Human Body in Health and Disease 1 10cp (Pre: BIOL123)	BMSC103 Research Design and Ethics 10cp	CHEM106 Physical and Organic Chemistry 10cp (Pre: CHEM105)	BMSC100 Introductory Biostatistics 10cp
YEAR 2: 2022				
SEM 1	BIOL204 Human Body in Health and Disease 2 10cp (Pre: BIOL123)	CHEM204 Biochemistry 10cp (Pre: CHEM106 OR CHEM112)	BIOL206 Human Genetics 10cp (Pre: BIOL123 or BIOL125)	UNCC100 Self and Community: Exploring the Anatomy of Modern Society 10cp
SEM 2	BMSC207 Microbiology and Immunology 10cp (Pre: BIOL123)	BIOL205 Pharmacology 1 10cp (Pre: BIOL124 OR BMSC209)	BMSC206 Introduction to Neuroscience 10cp (Pre: BIOL124 or BIOL125)	BMSC201 Communicating Ideas in Science 10cp
YEAR 3: 2023				
SEM 1	Core Curriculum Unit 2 10cp See here for details	BMSC301 Industry Immersion 1 10cp (Pre: BMSC208)	Elective Unit 10cp	Elective Unit 10cp
SEM 2	^HLSC301 Community Engagement 10cp (Pre: UNCC100 or PHCC102 or PHCC104)	BIOL333 Exploring Problems and Ethical Issues in Human Health 10cp (Pre: BIOL205, BIOL206, BMSC206, BMSC207 AND BMSC209) M	Elective Unit 10cp	Elective Unit 10cp

^HLSC301 also runs in semester 1

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(Information last updated on 17 October 2022)

Students who commenced in 2021 (Major Physiological Pharmacology option)

YEAR 1: 2021				
SEM 1	BIOL123 Cells and Tissues – the Fabric of Life 10cp	BIOL128 The Human Body 10cp	CHEM105 Foundations of Chemistry 10cp	BMSC102 Numerical Reasoning 10cp
SEM 2	BIOL124 Human Body in Health and Disease 1 10cp (Pre: BIOL123)	BMSC103 Research Design and Ethics 10cp	CHEM106 Physical and Organic Chemistry 10cp (Pre: CHEM105)	BMSC100 Introductory Biostatistics 10cp
YEAR 2: 2022				
SEM 1	BIOL204 Human Body in Health and Disease 2 10cp (Pre: BIOL123)	CHEM204 Biochemistry 10cp (Pre: CHEM106 OR CHEM112)	BIOL206 Human Genetics 10cp (Pre: BIOL123 or BIOL125)	UNCC100 Self and Community: Exploring the Anatomy of Modern Society 10cp
SEM 2	BMSC207 Microbiology and Immunology 10cp (Pre: BIOL123)	BIOL205 Pharmacology 1 10cp (Pre: BIOL124 OR BMSC209)	BMSC206 Introduction to Neuroscience 10cp (Pre: BIOL124 or BIOL125)	BMSC201 Communicating Ideas in Science 10cp
YEAR 3: 2023				
SEM 1	Core Curriculum Unit 2 10cp See here for details	BMSC301 Industry Immersion 1 10cp (Pre: BMSC208)	BIOL334 Pharmacology 2 10cp (Pre: BIOL205) OS	BMSC303 Drug development 10cp (Pre: BIOL205) M
SEM 2	^HLSC301 Community Engagement 10cp (Pre: UNCC100 or PHCC102 or PHCC104)	BIOL333 Exploring Problems and Ethical Issues in Human Health 10cp (Pre: BIOL205, BIOL206, BMSC206, BMSC207 AND BMSC209) M	BMSC304 Drug regulation 10 cp (Pre: BIOL205) M	BMSC306 Advanced physiology 10 cp (Pre: BIOL126 OR BIOL204) M

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PLEASE NOTE FOR THE MAPS ABOVE

Students who do not follow the sequence recommended in their Course Map cannot be guaranteed a clash free timetable or completion within the normal course duration period. Any student studying outside the above sequence and students who commenced prior to 2019 should consult with their Course Coordinator prior to enrolling.

STUDY MODES

All units are delivered in On Campus mode, unless otherwise indicated in the map.

C - On Campus

Most learning activities or classes are delivered at a scheduled time, on campus, to enable in-person interactions. Activities will appear in a student's timetable.

M - Multi-mode

Learning activities are delivered through a planned mix of online and in-person classes, which may include full-day sessions and/or placements, to enable interaction. Activities that require attendance will appear in a student's timetable.

OU - Online unscheduled

Learning activities are accessible anytime, anywhere. These units are normally delivered fully online and will not appear in a student's timetable.

OS – Online scheduled

All learning activities are held online, at scheduled times, and will require some attendance to enable online interaction. Activities will appear in a student's timetable.

PREREQUISITES

- Prerequisites ('Pre:') are added in italics.
- Prerequisites are other units that you must have passed *before* enrolling in the unit.
- You will not be able to enrol in a unit in Student Connect if you do not meet the prerequisite requirements. (This will help stop you from enrolling in units incorrectly). You can find out about unit prerequisite requirements in your Course Enrolment Guide.
- Under some circumstances, you might be eligible for a prerequisite waiver.
- You can find out more about prerequisites and how to apply for a waiver on the [Student Portal](#).

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2023 Elective Units

C= On Campus M = Multimode OU = Online Unscheduled OS= Online Scheduled

INC = Incompatible: You may not take the unit listed if you have already passed the INC unit.

CODE	CP	TITLE	Online	Bris	Mel	Nth Sydney	Strathfield	Blacktown	Ballarat	Pre-requisites/Incompatibles
SUMMER TERM										
EXSC225	10	Physiological Bases of Exercise		M	M		M	M		
SEMESTER 1										
ANAT100	10	Anatomical Foundations of Exercise Science		M	M		M	M		
ANAT101	10	Physiotherapy Anatomy 1		C		C			C	
BIOL334	10	Pharmacology 2		OS	OS	OS				Pre: BIOL205 Pharmacology 1
BMSC303	10	Drug development		OS	OS	OS				Pre: BIOL205 Pharmacology 1
BMSC309	10	Advanced Cardiovascular Physiology		OS	OS	OS				Pre: BIOL124 Human Body in Health and Disease 1 OR BIOL125 Human Biology 1
EXSC225	10	Physiological Bases of Exercise		M	M		M	M		
NUTR101	10	Introduction to Nutrition and Practice			M	M				EXSC118 Nutrition and Exercise (I)
NUTR202	10	Lifespan Nutrition			C	C				Pre: NUTR101 Introduction to Nutrition
PHYS109	10	Introductory Physics		OS	OS	OS				
WINTER TERM										
HLSC200	10	Python Programming for Health Sciences	OS							
HLSC308	10	Research Experience in Exercise, Behaviour and Health			M					EXSC122 Research and Ethics in Exercise Science OR EXSC217 Research and Ethics in Exercise Science OR BMSC103 Research Design and Ethics OR PUBH103 Epidemiology OR (PSYC100 Foundations of Psychology AND PSYC101 Applications of Psychology AND PSYC104 Research Design and Statistics I AND Cumulative GPA>5.0)
SEMESTER 2										
ANAT102	10	Physiotherapy Anatomy 2		C		C			C	Pre: ANAT101 Physiotherapy Anatomy 1
BMSC302	10	Industry Immersion 2		C	C	C				
BMSC304	10	Drug Regulation		OS	OS	OS				Pre: BIOL205 Pharmacology 1
BIOL234	10	Nutritional Physiology			C	C		C		Pre: NUTR101 Introduction to Nutrition; AND BIOL204 Human Body in Health and Disease 2 OR BIOL125 Human Biology 1 AND EXSC118 Nutrition and Exercise)

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BMSC306	10	Advanced Physiology		OS	OS	OS				Pre: BIOL204 Human Body in Health and Disease 2 OR BIOL126 Human Biology 2
CHEM206	10	Advanced Metabolic Biochemistry			C	C		C		(Pre: CHEM204 Biochemistry or CHEM201 Organic Chemistry and Biochemistry) CHEM104 (I)
EXSC322	10	Exercise Physiology: Adaption to exercise and the environment			M		M			Pre: EXSC198 Physiological Bases of Exercise OR EXSC225 Physiological Bases of Exercise
HLSC308	10	Research Experience in Exercise, Behaviour and Health			M					EXSC122 Research and Ethics in Exercise Science OR EXSC217 Research and Ethics in Exercise Science OR BMSC103 Research Design and Ethics OR PUBH103 Epidemiology OR (PSYC100 Foundations of Psychology AND PSYC101 Applications of Psychology AND PSYC104 Research Design and Statistics I AND Cumulative GPA>5.0)

Please note:

- You must contact your Course Coordinator if you plan on enrolling in an elective outside of those listed above.
- Students who have transferred into this course from another degree may be eligible to receive credit to some Elective Units. Please contact your Course Coordinator immediately if you have previously completed any units in a different course (at ACU or elsewhere) to discuss your options of receiving credit for these units