THE UNIVERSITY OF QUEENSLAND

Bachelor of Biomedical Science (Pre-medicine Study Plans)

Program information | **General study planner**

Pre-medicine Study Plans are also available for the
Bachelor of Science and the **Bachelor of Advanced Science (Honours)**

The Bachelor of Biomedical Science provides clear study plans that allow students to prepare appropriately for subsequent study in the MD program, whilst still having sufficient elective credit to provide some flexibility according to students' interests and aptitudes.

Please note: these plans are a suggestion only, and there are many other course progressions and majors that can provide appropriate background for entry to the MD. If you need further assistance or would like to speak to an academic advisor, please contact the **Science Student Enquiries Office**.

From 2022, BIOM2011 and BIOM2012 will be compulsory prerequisites for entry to the MD. If you intend to apply for entry to the MD in or after 2022, you must complete these courses.

PLAN 1: Bachelor of Biomedical Science – Focus on Molecular & Cellular Biology

This plan allows students to meet the requirements of the B Biomed Sc with a focus on molecular and cellular biology, but also meet the recommended prior study for the MD of 2nd level Biochemistry, Anatomy and Physiology. This plan also includes a 3rd level research project (SCIE3260) and elective Psychology and Nutrition. Courses counting to the #32 core for the B Biomed Sc are shown with the codes in red.

	Semester 1		Semester 2	
Year One	BIOL1020	Genes, Cells & Evolution	BIOL1040	Cells to Organisms
	CHEM1100	Chemistry 1	CHEM1200	Chemistry 2
	SCIE1000	Theory & Practice in Science	PSYC1020	Introduction to Psychology: Physiological & Cognitive Psychology
	PHYS1171	Physical Basis of Biological Systems	STAT1201	Analysis of Scientific Data
Year Two	BIOC2000	Biochemistry & Molecular Biology	BIOL2202	Genetics
	BIOL2200	Cell Structure & Function	BIOM2012	Systems Physiology
	BIOM2020	Human Anatomy	BIOM2402	Principles of Pharmacology
	BIOM2011	Integrative Cell & Tissue Biology	MICR2000	Microbiology & Immunology
Year Three	BIOC3000	Advanced Biochemistry & Molecular Biology	BIOC3006	Biochemistry of Metabolism in Health & Disease
	BIOL3004	Genomics & Bioinformatics	BIOM3200	Biomedical Science
	BIOL3006	Molecular Cell Biology	SCIE3260	Introduction to Research in Chemistry, Biochemistry & Microbiology (A)
	NUTR2101	Nutrition Science	NUTR3201	Advanced Nutrition Science

PLAN 2: Bachelor of Biomedical Science – Focus on Body Systems

This plan allows students to meet the requirements of the B Biomed Sc (core shown in red) with a focus on body systems, but also meet the recommended prior study for the MD of 2nd level Biochemistry, Anatomy and Physiology. This plan also includes 2nd level Microbiology & Immunology, Cell Biology, Genetics and Pharmacology, and elective Psychology and Public Health.

	Semester 1		Semester 2	
Year One	BIOL1020	Genes, Cells & Evolution	BIOL1040	Cells to Organisms
	CHEM1100	Chemistry 1	CHEM1200	Chemistry 2
	SCIE1000	Theory & Practice in Science	PSYC1020	Introduction to Psychology: Physiological & Cognitive Psychology
	PHYS1171	Physical Basis of Biological Systems	STAT1201	Analysis of Scientific Data
Year Two	BIOC2000	Biochemistry & Molecular Biology	BIOL2202	Genetics
	BIOL2200	Cell Structure & Function	BIOM2012	Systems Physiology
	BIOM2011	Integrative Cell & Tissue Biology	BIOM2402	Principles of Pharmacology
	BIOM2020	Human Anatomy	MICR2000	Microbiology & Immunology
Year Three	BIOM3014	Molecular & Cellular Physiology	BIOM3015	Integrative Physiology & Pathophysiology
	BIOM3401	Systems Pharmacology	BIOM3200	Biomedical Science
	BIOM3002	Human Biomedical Anatomy	NEUR3002	The Integrated Brain
	PUBH1102	Introduction to Public Health	PSYC1030	Introduction to Psychology: Developmental, Social & Clinical Psychology

PLAN 3: Bachelor of Biomedical Science – Broad Biomedical Science studies + Elective Public Health

This plan allows students to meet the requirements of the B Biomed Sc (codes shown in red) with broad areas covered in Years 2 & 3, but also meet the recommended prior study for the MD of 2nd level Biochemistry, Anatomy and Physiology and also significant studies in Public Health (shown in blue). A research project in the summer semester at the end of 2nd year is also included.

	Semester 1		Semester 2	
Year One	BIOL1020	Genes, Cells & Evolution	BIOL1040	Cells to Organisms
	CHEM1100	Chemistry 1	BIOL2202	Genetics
	SCIE1000	Theory & Practice in Science	PUBH1103	Health Systems & Policy
	PUBH1102	Introduction to Public Health	STAT1201	Analysis of Scientific Data
Year Two	PUBH2008	Major Diseases & Their Control	ANAT3022	Functional Neuroanatomy
	BIOL2200	Cell Structure & Function	BIOC3003	Human Molecular Genetics & Disease
	BIOM2011	Integrative Cell & Tissue Biology	BIOM2012	Systems Physiology
	BIOM2020	Human Anatomy	PUBH2004	Understanding Health Behaviours
Summer Semester			SCIE3221	Biomedical Science Research Project
Year Three	BIOM3002	Human Biomedical Anatomy	DEVB3001	Developmental Neurobiology
	PUBH3002	Health Policy in Practice	BIOM3200	Biomedical Science
	PUBH3005	Influencing Health Behaviours	PUBH3010	Global Health & Infectious Disease
	BIOC2000	Biochemistry & Molecular Biology		