

Program Information and Study Planner

Programs offered by the Faculty of Science provide close to an infinite array of possible study plans that also allow students to prepare appropriately for subsequent study in the MD program. These programs include:

- Bachelor of Science
- Bachelor of Biomedical Science
- Bachelor of Biotechnology
- Bachelor of Advanced Science (Honours)
- Bachelor of Mathematics

Options to consider for pre-medicine include:

- (a) You can complete a primary area of study relevant to Medicine – for example, a program, major, extended major or specialisation in Biochemistry & Molecular Biology, Biomedical Science, Cell Biology, Genetics or Microbiology, can readily meet the recommended prior areas of study for the UQ MD program, including 2nd level Anatomy, Biochemistry and Physiology. In addition, in the Bachelor of Science and Bachelor of Advanced Science (Honours), it is possible to include a second major or minor in a broad range of areas that are also relevant to subsequent MD studies, such as Psychology, Human Anatomy, Immunology, Human Physiology, and Pharmacology.
- (b) You can complete a program, major, extended major or specialisation in any Science discipline, and undertake 1st and 2nd level courses in biology and chemistry as program or general elective courses to cover the recommended prior study areas. If you choose to complete a program or major in a discipline you enjoy, you are more likely to perform better and create a career pathway if you decide not to pursue the MD program.
- (c) Students have the option, if they wish, to undertake undergraduate research experiences by including one or two research courses in their program. A research project course may be completed in semester 1 or 2 or in the summer semester (in place of another course from one of the semesters), typically between Years 2 and 3, and this may be supported by a summer scholarship.
- (d) For students who are planning to take the intercalated MD/PhD programs, the 4th Honours year in the Bachelor of Advanced Science (Honours) or undertaking the one year Bachelor of Science (Honours) or Bachelor of Biotechnology (Honours) after your three year program will provide the research training required for the PhD part of the MD/PhD programs.

For study plans for all Science programs, please refer to the [Faculty of Science study planner website](#).

Please note: study plans are a suggestion only. If you need further assistance or would like to speak to an academic advisor to develop an individual study plan, 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.



		Course Code	Course Name	Pre-Medicine Course Information
Year 1	Semester 1	BIOL1020	Genes, Cells & Evolution	Prerequisite for BIOL2200 and BIOL2202 and MICR2000
		CHEM1100	Chemistry 1	Prerequisite for BIOC2000
	Semester 2	BIOL1040	Cells to Organisms	Prerequisite for BIOM2011 and BIOM2020
		STAT1201	Analysis of Scientific Data	Science Program Core Course / Recommended
Year 2	Semester 1	BIOM2011	Integrative Cell & Tissue Biology	From 2022 compulsory prerequisite for entry to the MD / Prerequisite for BIOM2012
		[BIOC2000 OR BIOL2200 OR BIOM2020	Biochemistry & Molecular Biology Cell Structure & Function Human Anatomy]	Recommended / Prerequisite for BIOM2402 Recommended / Prerequisite for BIOM2402 Recommended
	Semester 2	BIOM2012	Systems Physiology	From 2022 compulsory prerequisite for entry to the MD
		[BIOL2202 OR BIOM2402 OR MICR2000	Genetics Principles of Pharmacology Microbiology & Immunology]	Recommended
Year 3	Semester 1			
	Semester 2			