

## Program Information and Study Planner<sup>1</sup>

Science and mathematics programs offer study plans suitable if you are preparing for entry into the [Doctor of Medicine \(MD\)](#) program.

You should choose a program or major in a discipline you enjoy, as you are more likely to perform better and create a career pathway if you decide not to pursue the MD program. Programs which offer courses to meet the MD recommended study areas include:

- Bachelor of Science (BSc)
- Bachelor of Biomedical Science (BBiomedSc)
- Bachelor of Biotechnology (BBiotech)
- Bachelor of Advanced Science (Honours) (BAdvSc(Hons))
- Bachelor of Mathematics (BMath)

**BIOM2011 and BIOM2012 are compulsory prerequisite courses for entry to the MD.** If these courses are not listed in your program or major, please ensure that you leave space to complete these courses as either program or general electives.

### (a) Programs that meet the MD recommended prior areas of study

- BSc and BAdvSc (Hons) - Major/Extended major in Biochemistry & Molecular Biology, Biomedical Science, Cell Biology, Genetics or Microbiology, or Level 2 courses in Anatomy, Biochemistry, Physiology.
  - These programs also offer minors in a broad range of areas relevant to MD studies, including Psychology, Human Anatomy, Immunology, Human Physiology, and Pharmacology.
- BBiomedSc
- BMath and BBiotech – complete Level 1 and 2 courses in biology and chemistry (as core or elective).

Many of these programs offer courses that provide undergraduate research experiences. A research project course may be completed in semester 1 or 2 or in the summer semester, typically between Years 2 and 3.

### (b) Programs that meet the research training requirements for the intercalated MD/PhD programs:

- Bachelor of Advanced Science (Honours) – 4<sup>th</sup> year is the Honours research project
- Complete a 1-year Bachelor of Science (Honours), Bachelor of Biomedical Science (Honours), or Bachelor of Biotechnology (Honours) after your 3-year Bachelor degree.

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

### Further assistance

Contact the [Science Student Enquiries Office](#) to meet or speak with an academic advisor to develop your individual study plan.

Students completing the Bachelor of Biomedical Science or a Biomedical Science major or extended major can book at appointment with a biomedical science advisor: <https://biomedical-sciences.uq.edu.au/student-support/program-and-academic-advice>



		Course Code	Course Name	Pre-Medicine Course Information
Year 1	Semester 1	BIOL1020	Genes, Cells & Evolution	Prerequisite for BIOC2000, 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	<b>BIOM2011</b>	<b>Integrative Cell &amp; Tissue Biology</b>	<b>Compulsory prerequisite for entry to the MD / Prerequisite for BIOM2012</b>
		[ BIOC2000	Biochemistry & Molecular Biology	Recommended for MD / Prerequisite for BIOM2402 and MICR2000
		OR	Molecular Cell Biology I	Recommended for MD / Prerequisite for BIOM2402
		BIOL2200	Human Anatomy ]	Recommended for MD
Semester 2	<b>BIOM2012</b>	<b>Systems Physiology</b>	<b>Compulsory prerequisite for entry to the MD</b>	
	[ BIOL2202	Genetics	Recommended	
	OR	Principles of Pharmacology		
	BIOM2402	Microbiology & Immunology ]		
Year 3	Semester 1			
	Semester 2			