

Program Information and Study Planner¹

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

Please ensure you review the advice on the [MD Admissions website for prerequisites and recommended programs for entry – Doctor of Medicine](#)

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. Science programs which offer courses or allow you to complete the MD recommended study areas include:

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

Knowledge of all cell and tissue biology and systems biology is assumed for entry from 2027. You can complete this content either through courses in your undergraduate program, or as online modules prior to commencing MD year 1 study.

Courses that address the assumed knowledge include:

- [BIOM2011](#) Integrative Cell & Tissue Biology
- [BIOM2012](#) Systems Physiology

(a) Science programs and plans that meet the MD recommended knowledge

For programs listed below, you can complete recommended and assumed knowledge as program and general elective courses or as part of a Plan (major, extended major or minor).

- Bachelor of Science (BSc) and Bachelor of Advanced Science (BAdvSc(Hons))
Major/Extended major in Biochemistry & Molecular Biology, Biomedical Science, Cell Biology, Genetics or Microbiology may be of interest and relevant to MD studies. These programs also offer minors in a broad range of areas including Psychology, Human Anatomy, Immunology, Human Physiology, and Pharmacology.
- Bachelor of Biotechnology (BBiotech)
- Bachelor of Mathematics (BMath)

(b) Science-related programs that meet the MD recommended knowledge

- Bachelor of Biomedical Science (BBiomedSc)

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

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

- Bachelor of Advanced Science (Honours) – 4th year encompasses a Honours research project
- Complete a 1-year Bachelor of Science (Honours), Bachelor of Biomedical Science (Honours), or Bachelor of Biotechnology (Honours) program 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 for Science programs and plans.

Students completing the Bachelor of Biomedical Science or a BSc or BAdvSc(Hons) Biomedical Science or Cell Biology major or extended major can book at appointment with a [biomedical science advisor in the Faculty of Health, Medicine and Behavioural Sciences](#).

		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	BIOL1050	Organisms: Interactions and Functions	Prerequisite for BIOM2011 and BIOM2020
		STAT1201	Analysis of Scientific Data	Science Program Core Course / Recommended
		BIOM2011	Integrative Cell & Tissue Biology	Assumed knowledge for MD
		[BIOC2000 OR BIOL2200 OR BIOM2020]	Biochemistry & Molecular Biology Molecular Cell Biology I Human Anatomy]	Recommended for MD / Prerequisite for BIOM2402 and recommended prerequisite for MICR2000 Recommended for MD / Prerequisite for BIOM2402 Recommended for MD
Year 2	Semester 1	BIOM2012	Systems Physiology	Assumed knowledge for MD
		[BIOL2202 OR BIOM2402 OR MICR2000]	Genetics Principles of Pharmacology Microbiology & Immunology]	Recommended for MD
	Semester 2			