

Bachelor of Biomedicine

Course Structure for Bachelor of Biomedicine

Each standard subject is worth **12.5 credit points**. A standard **full-time study load** is four subjects (50 points) per half-year period. The **Bachelor of Biomedicine** requires the successful completion of **22 subjects (300 points)**, including two 25 points core subjects.

Year 1	First half	BIOL10002 - Biomolecules and Cells	BIOM10001 - Discovering Biomedicine	Foundation Elective Subject	Breadth*
	Second half	CHEM10006 - Chemistry for Biomedicine	BIOM10002 - Exploring Biomedicine	Foundation Elective Subject	Breadth
Year 2	First half	BIOM20001 - Molecular and Cellular Biomedicine (25 points)		Biomedicine Elective	Breadth
	Second half	BIOM20002 - Human Structure and Function (25 points)		Biomedicine Elective	Breadth
Year 3	First half	BIOM30002 - Biomedicine: Molecule to Malady	Major Subject	Major Subject	Breadth OR Biomedicine Elective
	Second half	BIOM30001 - Frontiers in Biomedicine	Major Subject	Major Subject	Breadth OR Biomedicine Elective

Major Subjects

Major subjects are a set of 50 points of level 3 study taken by all students studying the major.

Some major subjects require specific prerequisites to be completed prior. These prerequisites can be satisfied by taking them as electives.

For example, Bioengineering Systems majors are required to do BMEN20001 Biomechanical Physics and Computation & MAST20029 Engineering Mathematics as prerequisites for their level 3 major subjects.

Elective Subjects

You can choose electives to suit your interests from a select list. At least 12.5 credit points (typically one subject) must be at level 2. Some majors require additional prerequisite subjects at level 2.

For available selective subjects: go.unimelb.edu.au/cy5r

Foundation Elective Subjects

All Biomedicine students must complete at least two subjects from the Foundation Electives subject list. Please note, the Bioengineering and Psychology majors require the completion of specific Foundation Electives. Please refer to the University Handbook for further details.

Core Subjects

Compulsory course core subjects must be taken by all students enrolled in the Bachelor of Biomedicine.

Breadth Subjects

Breadth subjects are subjects taken from outside your area of study. You must complete a minimum of four subjects including at least one from level 2 or 3.

*Students planning to take the Bioengineering pathway are encouraged to enrol into ENGR10004 Engineering Technology and Society instead of a breadth subject in their first semester.

Course requirements

Level 1 (75 points)

- **Four core subjects (50 points)**

- BIOL10002 Biomolecules and Cells (12.5 points)
- CHEM10006 Chemistry for Biomedicine (12.5 points)
- BIOM10001 Discovering Biomedicine (12.5 points)
- BIOM10002 Exploring Biomedicine (12.5 points)

- **Two foundation elective subjects (25 points)**

Standard Pathway:

- Any two subjects selected from a choice of 15
 - For available foundation electives go to <http://go.unimelb.edu.au/92ai>
Subject choice will depend on previous studies and interest areas.

For Bioengineering Systems Major

- If you received a study score of at least 29 in VCE Specialist Mathematics or equivalent:
 - Sem 1: MAST10006 Calculus 2 (12.5 points)
 - Sem 2: MAST10007 Linear Algebra (12.5 points)
- If you received a study score of at least 38 in VCE Specialist Mathematics or equivalent:
 - Sem 1: MAST10008 Accelerated Mathematics 1 (12.5 points)
 - Sem 2: MAST10009 Accelerated Mathematics 2 (12.5 points)

NOTE: Accelerated Mathematics 1 and Accelerated Mathematics 2 are challenging subjects and are optional for students who have achieved over 38 in VCE Specialist Maths or equivalent.

For Psychology Major

- Sem 1: PSYC10003 Mind Brain and Behaviour 1 (12.5 points)
- Sem 2: PSYC10004 Mind Brain and Behaviour 2 (12.5 points)

Level 2 (62.5 points)

- **Two core subjects (50 points)**

- BIOM20001 Molecular and Cellular Biomedicine (25 points)
- BIOM20002 Human Structure and Function (25 points)

- **One level 2 elective subject (12.5 points)**

Level 3 (75 points)

- **Two core subjects (25 points)**

- BIOM30002 Biomedicine: Molecule to Malady (12.5 points)
- BIOM30001 Frontiers in Biomedicine (12.5 points)

- **Four level 3 major subjects (50 points)**

Remaining points (87.5 points)

- 12.5 points of elective subject at level 1, 2 or 3
- 50 points of breadth, including at least 12.5 points at level 2 or 3
- 25 points of breadth OR elective subjects at level 1, 2 or 3

Total

- No more than a total of 125 points taken at level 1
- Course progression rule:** Completion of at least four subjects (50 points) at each year level before being able to progress to the next year level

Majors

Your major is the study area that you'll focus on throughout your degree. Biomedicine offers 15 majors across a range of disciplines:

- Biochemistry and Molecular Biology
- Bioengineering Systems[^]
- Biotechnology
- Cell and Developmental Biology
- Genetics
- Human Nutrition
- Human Structure and Function
- Immunology
- Infection and Immunity
- Microbiology
- Neuroscience
- Pathology
- Pharmacology
- Physiology
- Psychology[^]

[^] *NOTE: Students intending on completing a major in Bioengineering Systems or Psychology will need to commence the pathway in their first semester to complete the required prerequisite sequence within their course.*

For more information: go.unimelb.edu.au/o456

UNDECIDED?

If you are undecided about your major, you can start with the subjects that you are interested in and work forwards; what later level subjects and majors do these subjects lead to?

For most majors, you don't need to decide in Year 1, but understanding where your subjects can lead is important as you proceed through your course.

For more information:

Learn more about the specific requirements of your course by referring to the University Handbook – handbook.unimelb.edu.au

Look at the Bachelor of Biomedicine website – go.unimelb.edu.au/o456

PLAN YOUR COURSE (continued)

Use the blank course structure below as a guide to plan your course. It is easiest to plan your course while referring to your course-specific requirements and the University Handbook.

You do not have to plan your whole degree at this point but the subjects that you choose in Year 1 can impact on your choices in Year 2 and 3.

Remember to consult the University Handbook to find out more about course requirements and subject availability, as well as breadth and elective options: handbook.unimelb.edu.au

Year 1	First half				
	Second half				
Year 2	First half				
	Second half				
Year 3	First half				
	Second half				

WHAT DO I DO NEXT? ENROL IN YOUR SUBJECTS (STUDY PLAN)

Once you have mapped your subjects you can add them to your Study Plan via my.unimelb for the current year only.

For information about enrolling in subjects visit: students.unimelb.edu.au/subject-enrolment

Please note: You normally have until the end of the second week of classes to change your subject selection for the semester.

HOW CAN STOP 1 HELP?

Stop 1 can connect you with the full range of student services to support your success while studying at the University including:

- administration
- course planning and enrolment
- health and wellbeing
- housing and financial aid
- equity and disability support
- careers and employability development
- academic skills and learning support
- overseas study

Remember, our support services are not just for when things go wrong but also to extend and develop your skills and experience.

Access these services and more:
services.unimelb.edu.au/finder

Find out the best way to manage your admin, study effectively, maximise your wellbeing and prepare for your future: students.unimelb.edu.au

International student visa holders: please note you must be enrolled in 50 credit points in each half-year period unless you have approval to reduce your study load.

ENRICH YOUR STUDIES

Overseas study

Participate in an overseas study program and gain experience as well as credit towards your course.

Concurrent diploma

Complete an additional qualification in computing, music, mathematical sciences or languages alongside your bachelors degree.

Enhance employability skills

Check your faculty's website for internships, work placements, research or volunteering options to put your knowledge and skills into practice.

There are other opportunities such as industry events, public lectures and professional skills workshops. You can also volunteer in your community, meet with an alumni mentor or join a student club.

ACHIEVE YOUR ACADEMIC GOALS

Academic and communication skills

Find resources and programs to help you develop the reading, writing and listening skills needed to succeed in your studies.

Take the Diagnostic English Language Test (DELA) to get personalised results and recommendations to develop your ability to communicate ideas clearly and fluently using academic English language.

Notes: