Bachelor of Biomedicine
Academic Advice Guide 2011

www.bbiomed.unimelb.edu.au
WELCOME!

On behalf of the University of Melbourne, welcome to your tertiary studies in 2011. Congratulations on gaining entry into the Bachelor of Biomedicine. The University is internationally recognised for its excellence in biomedical research, teaching and practice and it has a long tradition in biomedicine across the Faculties of Medicine, Dentistry & Health Sciences and Science and the Melbourne School of Engineering.

The Bachelor of Biomedicine comprises an integrated curriculum that covers molecular, cellular and integrative aspects of biomedical sciences. It provides a strong foundation for employment, further professional graduate study in biomedical and clinical sciences, or a research higher degree.

I hope you take full advantage of everything Melbourne has to offer as you create a distinctive ‘Melbourne Experience’ in a first step to realising your career goals and aspirations.

I wish you every success with your studies.

Prof. Mark Hargreaves  
Director, Bachelor of Biomedicine
WELCOME FROM YOUR FELLOW STUDENTS

First of all, congratulations on being accepted into the Bachelor of Biomedicine and welcome to the University of Melbourne! We expect that your experience here will be just as rewarding and engaging as it has been for us. While it may be daunting, you will learn a lot about university life in your first few weeks here. To get you started, here are a few pointers to make your transition easier:

› Join clubs and participate in as many O-Week activities as you can. It’s a great way to meet your classmates and make new friends.

› Don’t ever be afraid to ask for help, advice, an explanation, or support. You will find that your lecturers, student advisors, and us at the Biomed Students’ Society just a few of the many people who can offer you assistance.

› Use all the resources at your disposal, such as the LMS, AIPport, Portal and Student Handbook. You will find that they offer a plethora of information.

› Don’t be afraid to accept your inner biomed nerd – it is a fun course if you embrace it!

University is very different to high school. First year will push you out of your comfort zone, but soon enough you’ll find your feet. Second year will give you more opportunities to explore your areas of interest. We are excited to start our final year, when our chosen majors will challenge us further.

We at the Biomedicine Students’ Society hope to enhance your experience at university, both socially and academically. We organise peer advice sessions and book sales, as well as events like camp and the Biomed Ball.

So welcome to Biomed; we hope that you enjoy yourselves. University is about self discovery, intellectual engagement and broadening your horizons. The right mix of books and barbeques will make this one of the best experiences of your life.

Biomedicine Students’ Society Co-presidents,
Kirsten Jensen and Bridget Bishop
BACHELOR OF BIOMEDICINE

What are the course requirements?

To satisfy the requirements of the Bachelor of Biomedicine (BBiomed), you must complete a total of 300 points, comprising:

- 225 points of core (biomedical science/science discipline) subjects including:
  - At least 75 points at Level 1 including the compulsory subjects or approved equivalents.
  - At least 62.5 points at Level 2 including the compulsory subjects or approved equivalents.
  - At least 75 points at Level 3 including the compulsory subjects or approved equivalents and including the 50 points of a prescribed major.

- 50 points of breadth subjects including at least 12.5 points at Level 2 or 3.

- 25 points (either biomedical science/science discipline subjects or breadth subjects) at Level 1, 2 or 3.

Note:

- You can complete a maximum of 125 points at Level 1.
- You can complete a maximum of 37.5 points of breadth at Level 1.

In first year, the foundation subjects in biology and chemistry focus on key biomolecules, fundamentals of cell biology, chemical processes in a biological context, basic genetics and the interactions between genes and environment that determine phenotype. These subjects are supported by studies in experimental design and data analysis, mathematics and physics.

In second year, the compulsory core subjects include content from several biomedical science discipline areas to provide foundation knowledge that prepares you for the capstone and major subjects in third year, and enables you to meet prerequisite requirements of postgraduate and professional health science degrees. In semester 1, the focus is on molecular and cellular aspects of biomedicine with topics from biochemistry and molecular biology, cell biology, genetics, microbiology and immunology, and cellular pathology. In semester 2, the focus is on human structure and function with topics in gross anatomy, pharmacology and physiology. You can also select a total of 25 points as selectives from subjects that are offered by the Faculty of Science, Faculty of Medicine, Dentistry & Health Sciences, Faculty of Veterinary Science, Melbourne School of Engineering and Melbourne School of Land & Environment. Normally these subjects are chosen to meet prerequisite requirements for a major, but could also include further study in other areas of science, such as chemistry or mathematics, subject to prerequisites being met.

In third year, two compulsory capstone subjects explore contemporary issues in biomedicine and develop links with professional practice. Depth in one specific biomedical science discipline is achieved by selecting 50 points at third-year level in an area of major study. Twelve areas of major study are available within the BBiomed:

- Biochemistry and Molecular Biology
- Bioengineering Systems
- Biotechnology
- Cell and Developmental Biology
- Defence and Disease
- Genetics
- Human Structure and Function
- Microbiology, Infection and Immunology
- Neuroscience
- Pathology
- Pharmacology
- Physiology
HOW DO I CHOOSE MY FIRST-YEAR SUBJECTS?

You will take six core subjects; four of these subjects are set:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester</th>
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<tbody>
<tr>
<td>BIOL10002</td>
<td>Biomolecules &amp; Cells</td>
<td>Semester 1</td>
</tr>
<tr>
<td>BIOL10003</td>
<td>Genes &amp; Environment</td>
<td>Semester 2</td>
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<tr>
<td>CHEM10006</td>
<td>Chemistry for Biomedicine</td>
<td>Semester 1</td>
</tr>
<tr>
<td>MAST10011</td>
<td>Experimental Design &amp; Data Analysis</td>
<td>Semester 1 or 2</td>
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You will also be required to take one of five possible first-year Mathematics units, depending on your VCE* subjects and performance:

- **Study score ≥ 25 in VCE Mathematical Methods**
  - MAST10005 Calculus I

- **Study score ≥ 27 in VCE Specialist Mathematics**
  - MAST10006 Calculus II
  - MAST10007 Linear Algebra

- **Study score ≥ 38 in VCE Specialist Mathematics**
  - MAST10008 Accelerated Mathematics 1
  - MAST10009 Accelerated Mathematics 2

You will also be required to take one of two possible first-year Physics units:

- **No VCE Physics**
  - PHYC10007 Physics for Biomedicine

- **Completed VCE Physics**
  - PHYC10006 Physics 2: Life Sciences & Environment

* Interstate and IB students should choose the subject you think is most relevant to your level of study. Your subject selection will be verified by University of Melbourne staff.

INTENDING TO TAKE A BIOENGINEERING SYSTEMS MAJOR?

In that case, you must select ENGR10002 Engineering Systems Design 2, MAST10006 Calculus II and MAST10007 Linear Algebra (or both MAST10008 Accelerated Mathematics 1 and MAST10009 Accelerated Mathematics 2, depending on your mathematical background) in first year. These subjects are taken instead of Experimental Design & Data Analysis and Physics. Please note that you can still decide to take a major in a different area of study if you wish and not be disadvantaged; however, in order to complete the Bioengineering Systems Major you **MUST** take the prescribed first-year units.

WHAT MIGHT MY COURSE STRUCTURE LOOK LIKE?

**YEAR 1**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Points</th>
<th>Breadth*</th>
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<tbody>
<tr>
<td>Biomolecules &amp; Cells</td>
<td>12.5</td>
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<tr>
<td>Chemistry for Biomedicine</td>
<td>12.5</td>
<td></td>
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<tr>
<td>Mathematics</td>
<td>12.5</td>
<td></td>
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<tr>
<td>Biology</td>
<td>12.5</td>
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**YEAR 2**

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<tr>
<th>Course Title</th>
<th>Points</th>
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<tbody>
<tr>
<td>Molecular &amp; Cellular Biomedicine</td>
<td>25</td>
<td></td>
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<tr>
<td>Selective</td>
<td>12.5</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>12.5</td>
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**YEAR 3**

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<tr>
<th>Course Title</th>
<th>Points</th>
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<tbody>
<tr>
<td>Biomedicine: From Molecule to Malady</td>
<td>12.5</td>
<td></td>
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<tr>
<td>Major</td>
<td>12.5</td>
<td></td>
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<thead>
<tr>
<th>Course Title</th>
<th>Points</th>
<th>Breadth*</th>
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<tbody>
<tr>
<td>Biomedicine: Frontiers in Biomedicine</td>
<td>12.5</td>
<td></td>
</tr>
<tr>
<td>Major</td>
<td>12.5</td>
<td></td>
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* 50 points must be taken as breadth and 25 points are free for you to use according to your choice (i.e. subjects within or outside the Bachelor of Biomedicine).
BREADTH STUDIES

“Try to learn something about everything and everything about something” Thomas Huxley (English biologist, 1825-1895)

A distinguishing feature of the Bachelor of Biomedicine at the University of Melbourne is the breadth component that allows you to take up to 75 points of study in discipline areas other than those comprising the core of your degree.

Breadth studies allow you to gain knowledge and understanding across a broader range of disciplines, enabling you to develop insight, experience, and new ways of thinking in areas distinct from the main fields of study in your degree.

Choosing breadth in the Bachelor of Biomedicine

Breadth studies will enable you to tap into other bodies of knowledge, methods of enquiry, personal and professional skills. There are many ways to think about choosing these breadth subjects. For example, you could choose subjects in areas of study that:

▶ Provide skills and understanding to assist you to apply and contribute your knowledge of biomedical sciences in the science-oriented professions, the business world, education and everyday life, e.g. bioethics, economics, communication, information systems, education, law, sociology;

▶ Develop your understanding of what is distinctive about biomedical science as a way of interpreting our world, and/or how it compares to other creative and evidence-based disciplines, e.g. history and philosophy of science; art history, architecture, linguistics;

▶ You have always wanted to pursue and now university provides you with that opportunity.

Breadth rules for the Bachelor of Biomedicine

▶ You can take up to 75 points (six subjects) of breadth study;

▶ You must complete a minimum of 50 points (four subjects) of breadth study, including at least 12.5 points at level 2 or level 3;

▶ You may complete a maximum of 37.5 points (three subjects) of breadth at level 1.

Breadth Tracks

A breadth track is a set of three or more subjects that progressively develops knowledge and skills relevant to some domain, theme, topic or issue. You are strongly encouraged to undertake at least one breadth track as part of your breadth studies. For details about breadth tracks please go to breadth.unimelb.edu.au

Find breadth subjects for your course via the breadth search facility in the 2011 Handbook, online at: https://handbook.unimelb.edu.au/faces/htdocs/user/breadth/BreadthSearch.jsp

Learn more about breadth study and your Bachelor of Biomedicine breadth options online at: http://breadth.unimelb.edu.au/breadth/info/Biomedicine.html
GUIDELINES TO YOUR ONLINE ENROLMENT

LOCAL STUDENTS

Your letter of offer provides you with a link to the online enrolments website, where you can accept your offer, complete the administrative component of your enrolment, select your subjects and confirm your enrolment.

You are strongly encouraged to complete your online enrolment and choose your subjects prior to attending Academic Advice Day (AAD) on the 24th January 2011.

Firstly, you will need to familiarise yourself with your course structure and the rules and regulations that you must follow in order to meet these requirements. There is course information on page 5 of this Guide, or you can view the full structure and subjects through the handbook: https://handbook.unimelb.edu.au/view/current/B-BMED

Once you have accepted your offer and completed the administrative part of your enrolment, you will be able to select subjects. If you have completed related university level studies, which may be equivalent to subjects in the BBiomed, you may wish to apply for credit. Please refer to step 5 for instructions on the application process.

Selecting your subjects online:

**Step 1**
You will notice that some subjects appear as “planned” in your initial Study Plan. These are the core subjects for your course in level 1 and **must** be taken. Note that you are not enrolled in subjects that appear as “planned” – you will need to tick the “enrol” box to enrol in these subjects.

**Step 2**
You must now select your pathway option. Refer to page 6 of this Guide for details about choosing your level 1 subjects based on your pathway option and VCE results. If you intend to complete a Bioengineering Systems major, you must select the Bioengineering pathway. For all other majors available within the Biomedicine course you will select the standard pathway option. Once you have selected your pathway option, you will be required to add subjects to your study plan (these will appear as “planned”) and “enrol” in each subject in order to confirm your enrolment.

**Step 3**
Choose your breadth subjects.
Breadth subjects can be chosen from any subjects outside the Science and Biomedicine disciplines. Refer to the breadth webpage in the University Handbook https://handbook.unimelb.edu.au for full details on subjects available as breadth with the Bachelor of Biomedicine. Also refer to page 7 in this Guide. You may also wish to attend any relevant information sessions on AAD to help you confirm your breadth decisions, full details can be found in your AAD brochure. Once you add subjects to your study plan you will need to “enrol” in the subjects.

**Step 4**
Enrolment Confirmation - Once you have viewed your plan and are happy with your enrolment, you can confirm your enrolment by selecting the confirm enrolment button. You will be able to see a list of the subjects you have successfully enrolled.

**Step 5**
If you have successfully completed prior university studies you may wish to apply for credit. Please download an application form from: http://www.studentcentre.unimelb.edu.au/eastern/course_information/advanced_standing
You should attach relevant transcript details and forward them together with your application to the Eastern Precinct Student Centre. The outcome of your credit application will be advised prior to Academic Advice Day (wherever possible).

**Step 6**
You will need to access your lecture timetable which you can do from the Student Portal at http://portal.unimelb.edu.au/
You will be able to access tutorials at http://portal.unimelb.edu.au/ from around the middle of Orientation week, (22 – 25 February).

**Step 7**
Collect your Student ID card from the Eastern Precinct Student Centre.
Please note that your subject selection can be changed at any time up until the end of the second week of Semester (for Semester 1 subjects) so if you change your mind don’t panic, you can just revisit your student portal and change your subjects.

If however, you would like some assistance with your subject selection, you will be offered the option to make an appointment to attend an interview with a student adviser at Academic Advice Day on the 24th January 2011. Interviews will be held in the following days.

INTERNATIONAL STUDENTS

You will be able to complete most of your online enrolment before arriving in Australia, with the information provided in your letter of offer. However, you will only be able to select your subjects online after attending Academic Advice Day on the 17th February 2011. You will receive information about an appointment with a Student Adviser, who will assist you with any questions, on the day.
EASTERN PRECINCT STUDENT CENTRE

Where do I go for help?

Have a query about your enrolment? Need some advice on the Biomedicine course? Not sure where to query your results or where to find student support? Want to know about University academic policies, regulations and statutes? The Eastern Precinct Student Centre should be your first point of contact for all these matters and any other general enquiries.

Where is the Eastern Precinct Student Centre?
Eastern Precinct Student Centre
Parkville Campus
(Building 172 on the Map)

When is the Eastern Precinct Student Centre open?
Monday - Friday 9:00 am – 5:00 pm
Ph: 13MELB (136352)
Web: www.studentcentre.unimelb.edu.au/eastern

GRADUATE PATHWAYS AND FURTHER STUDY

For further information on the full range of graduate pathways please see: http://www.bbiomed.unimelb.edu.au/pathways/further_study

If you wish to continue your professional studies at graduate level, the Bachelor of Biomedicine is a tailored pathway to study specialising in Dental Surgery, Medicine, Nursing and Social Work, Psychology and Physiotherapy, and ideal preparation for courses in Biomedical Engineering, Optometry and Public Health.

Upon completion of the Bachelor of Biomedicine you may decide to undertake further study in an Honours year, Master of Science, Graduate Professional Degree or a Research Higher Degree. The BBiomed will provide pathways, through specific majors, to a range of masters and professionally accredited degrees.

MDHS STUDENT CENTRE

The Medicine, Dentistry and Health Sciences (MDHS) Student Centre is located within the Brownless Biomedical Library and provides pathways advice to undergraduate students enrolled in the Biomedical Sciences. The Student Centre is staffed with expert student advisers who can provide detailed advice on graduate studies within the Health Sciences including the Doctor of Medicine, the Doctor of Dental Surgery, the Doctor of Physiotherapy as well as detailed advice in relation to the Bachelor of Biomedicine (Honours) and MDHS disciplines in the Bachelor of Science (Honours). The Student Centre space is integrated with learning spaces within the library which facilitates student interaction across the various cohorts. The Brownless Biomedical Library and MDHS Student Centre are geographically located within the Biomedical Sciences academic precinct and include the following:

- The MDHS Student Centre (level 1)
- Books and journals
- Access to online resources
- Self-service facilities
- Student IT/study environments
- Displays of the existing Medical History Museum collection
- Dedicated space for research higher degree and Honours students for quiet study
- Social spaces
- Administrative resources for MDHS student clubs including the Biomedicine Students Society
- Access to study hall until 2am during semester

We encourage you to visit during your orientation to familiarize yourself with the study spaces and the MDHS Student Centre.

Where is the Brownless Biomedical Library and MDHS Student Centre?
The Brownless Biomedical Library and MDHS Student Centre
Brownless Biomedical Library
Parkville Campus (Building 182 on the Map)
Ph: 03 8344 5890
Email: sc-mdhs@unimelb.edu.au
Web: http://www.sc.mdhs.unimelb.edu.au/
TRANSITION AND ORIENTATION

http://www.services.unimelb.edu.au/transition/

Visit the Transition and Orientation programs website for useful information to help you settle into university life. The transition to university is different for everyone and hearing about other students’ experiences and finding resources to help you deal with any challenges that may arise is very important.

WHERE DO I START?

https://airport.unimelb.edu.au/

AIRport (Academic Interactive Resources Portal) is a great starting point for your tertiary studies. AIRport has been designed to be an interactive website with exercises specifically designed to help you with first year. AIRport can assist you with settling into university life and developing academic skills. Check in and learn about the resources that are available to you. AIRport is especially useful if you come from a non-English speaking background.

DIAGNOSTIC ENGLISH LANGUAGE ASSESSMENT (DELA)

An excellent command of academic English is integral to your performance at university.

Through the Diagnostic English Language Assessment (DELA), we identify areas you still need to develop in your academic English and provide programs to help you do this.

Commencing undergraduate students who have less than 30 VCE English, 35 VCE ESL, 7 IELTS, or equivalent will be required to take the DELA. Your DELA results and recommendations for academic English programs will be emailed to you 3 working days after the assessment. Your test result may indicate that you need further development in a particular area, or it may tell you that your academic English skills are sufficient for tertiary study.

If you are recommended to take up an academic English program, you are encouraged to contact the Eastern Precinct Student Centre to discuss your results and obtain further information about the support options available to you.

To read further information about DELA, please go to:

HOW DO I MANAGE MY STUDIES AND EVERYTHING ELSE I NEED TO DO?

http://portal.unimelb.edu.au/

The Student Portal is your key to everything important. The Portal contains information on teaching, learning and subject materials and systems (the LMS), your borrowing record from the library, administrative functions such as timetables, results, graduation, your email, even the news and weather.

DO YOU HAVE ANY ONLINE RESOURCES?

http://www.lms.unimelb.edu.au/

Welcome to the LMS – the Learning Management System. The LMS is a centrally supported system designed to provide you with assistance in your studies and also give you information about relevant events targeted at Biomed students.

Subject Coordinators will use the LMS in a variety of ways: to manage and publish lecture notes and other learning resources, to make announcements, to provide interactive courseware, establish discussion forums, distribute information on assignments,
units have connections with Student Centres and Graduate Schools.

the academic and enrichment services available to you. All AES support for students living with a disability. Familiarise yourself with a host of services available, from careers and employment advice to assist you and to enhance your 'Melbourne Experience'. There is a Academic Enrichment Services (AES) offer programs designed to http://www.services.unimelb.edu.au/aes/ ACADEMIC ENRICHMENT SERVICES LMS after you commence in Semester 1. You will be contacted by the Biomedicine Student Society via the societies, including your very own Biomedicine Student Society. It looks great on your CV. There is a huge range of clubs and as you do. Just have some fun or become a committee member – or society and meet other students who love doing the same things. Enhance your Melbourne experience and get involved. Join a club or learn about the Melbourne Global Mobility (MGM) and receive credit for your studies. By taking part in an exchange or other international student mobility program you will have the opportunity to immerse yourself in a different social, cultural and intellectual environment, thereby adding an international perspective to your studies. MGM has over 134 partner institutions, in 31 countries across the world. There is a range of scholarships and bursaries available to help make it happen. Due to the integrated structure of the BBiomed, some restrictions apply. If you are interested in studying overseas for a semester contact the Eastern Precinct Student Centre (some diplomas require the completion of appropriate level 1 subjects in 2011 before applying to enrol in 2012, while others accept applications in 2011). CAN I KEEP UP WITH MY MUSIC OR LANGUAGE STUDIES? http://www.futurestudents.unimelb.edu.au/ugrad/diploma.html Yes! Concurrent Diplomas are taken in conjunction with your undergraduate degree and usually add between 50 to 100 points to your degree. After enrolling you may choose to enrich your degree by completing a concurrent diploma alongside your Bachelor of Biomedicine degree. Diplomas on offer include:

› Diploma in Informatics
› Diploma in Languages
› Diploma in Mathematical Sciences
› Diploma in Music (Practical)
› Diploma of Global Issues

If this sounds like just the thing for you, talk to a Student Adviser in the Eastern Precinct Student Centre (some diplomas require the completion of appropriate level 1 subjects in 2011 before applying to enrol in 2012, while others accept applications in 2011).

CAN I STUDY PART OF MY COURSE OVERSEAS? http://www.mobility.unimelb.edu.au/ Investigate a world of opportunities available to you through Melbourne Global Mobility (MGM) and receive credit for your studies. By taking part in an exchange or other international student mobility program you will have the opportunity to immerse yourself in a different social, cultural and intellectual environment, thereby adding an international perspective to your studies. MGM has over 134 partner institutions, in 31 countries across the world. There is a range of scholarships and bursaries available to help make it happen. Due to the integrated structure of the BBiomed, some restrictions apply. If you are interested in studying overseas for a semester contact the Eastern Precinct Student Centre and make an appointment to speak to a Student Adviser.

STUDENT SOCIETIES http://www.union.unimelb.edu.au/clubs/ Enhance your Melbourne experience and get involved. Join a club or society and meet other students who love doing the same things as you do. Just have some fun or become a committee member – it looks great on your CV. There is a huge range of clubs and societies, including your very own Biomedicine Student Society. You will be contacted by the Biomedicine Student Society via the LMS after you commence in Semester 1.

ACADEMIC ENRICHMENT SERVICES http://www.services.unimelb.edu.au/aes/ Academic Enrichment Services (AES) offer programs designed to assist you and to enhance your ‘Melbourne Experience’. There is a host of services available, from careers and employment advice to support for students living with a disability. Familiarise yourself with the academic and enrichment services available to you. All AES units have connections with Student Centres and Graduate Schools. Student Centre and AES staff work together to provide students with seamless, consistent, timely and equitable services which meet each student’s individual needs. STUDENT INFORMATION DIRECTORY OF SERVICES AND FACILITIES http://www.studentadmin.unimelb.edu.au/ This useful site includes links to student life, financial support and scholarships, learning resources, accommodation, employment, health and welfare, campus services, timetables and academic services. LEADERSHIP, INVOLVEMENT AND VOLUNTEER EXPERIENCE UNIT (LIVE) http://www.services.unimelb.edu.au/live/ LIVE provides you with unique opportunities to get involved both on and off campus in leadership, community engagement and volunteering activities, locally and globally. One of the programs offered by LIVE is the Student Ambassador Leadership Program (SALP). The SALP provides a chance for you to develop skills and create networks by contributing to the University and the community through volunteering and learning activities. By getting involved, you can become a future leader.

ACADEMIC SKILLS UNIT (ASU) http://www.services.unimelb.edu.au/asu/ The Academic Skills Unit (ASU) can help you with study and organisational issues, writing, managing assessment, English as a second language and professional skills. Make use of the ASU – focus on gaining or even refining the academic and language skills necessary for continued learning. http://www.engr.ncsu.edu/learningstyles/ilsweb.html Check out this Index of Learning Styles questionnaire and discover which learning styles are best suited to you. The Index of Learning Styles questionnaire can help you identify how you learn best, as well as suggest strategies to help you succeed. Get a jump on your studies!

DISABILITY LIAISON UNIT (DLU) http://www.services.unimelb.edu.au/disability/ Living with an ongoing physical disability, mental health issues or a medical condition? The Disability Liaison Unit (DLU) is there to assist you to participate fully in your studies. The DLU can support you by identifying reasonable adjustments that can be made to promote opportunities and independence as you pursue your studies. The DLU is committed to equity and inclusion.

Temporary illness or injury? The DLU will work with the Student Equity Officer(s) in the Student Centre to make arrangements for academic support or alternative exam arrangements so that you will not be disadvantaged.
CAREERS AND EMPLOYMENT

http://www.services.unimelb.edu.au/careers/

Planning your studies can be difficult if you are unsure of which career path you would like to choose once you’ve completed your degree, or if you don’t know what choices are available. During the year we will be running a careers and employment program tailored specifically to Biomedicine students. You will be contacted during the year regarding these sessions and further information will be available through avenues such as the LMS and email. These services will be complemented by a number of graduate information sessions through the year focusing on pathways and careers in the Health Sciences and in other professions and disciplines.

You can also contact the University’s Careers & Employment unit who offers a range of services to assist students with career planning and development. Services available to students include:

- a comprehensive Careers Resource Centre 
  (First Floor, Baldwin Spencer Building).
- a range of career development seminar programs and events,
- one-to-one résumé review and careers counselling appointments.
- an online jobs and events database – Careers Online
  http://careersonline.acs.unimelb.edu.au/cae/studentscae/

CAREER OPTIONS

http://www.bbiomed.unimelb.edu.au/pathways_and_careers

If you want to work within the Clinical and Health Services sector, the Bachelor of Biomedicine is ideal preparation for such a career pathway. Upon graduation, you may wish to seek employment within the biomedical sector or consider a career in biomedical research or related fields by pursuing a research higher degree (Masters, PhD).

You can view the research domains within the Faculty of Medicine, Dentistry and Health Sciences at:

http://www.mdhs.unimelb.edu.au/research_domains

You may also proceed to a range of other professional graduate programs within the university after graduation. Graduate programs include Applied Commerce, Law, Science, Social Work, Teaching and Urban Planning. Alternatively, you might consider applying your knowledge and skills to areas such as Science, Journalism, Museum Curatorship, or commercialisation of new inventions.

Biomedicine graduates are equipped for a whole range of exciting careers in industries including Business, Science, Health, Education and Technology. Completing the Bachelor of Biomedicine, opens up many options:

- begin your career and enter the workforce, using the skills you have developed in the Biomedicine degree.
- embark on one of the professionally accredited degrees such as the Master of Nursing Science, Master of Public Health, Master of Social Work, Doctor of Optometry, Doctor of Dental Surgery, Doctor of Medicine, Doctor of Physiotherapy or Juris Doctor.
- enter one of the many professional development programs in the Health Sciences in the Faculty of Medicine, Dentistry and Health Science.
- undertake an Honours or Master of Science program in biomedical sciences as preparation for a research higher degree (MPhil, PhD).
IT

http://www.studentit.unimelb.edu.au/

I already have an email address, why do I need another one?

When you enrol, you will be requested to set up a 'unimelb' email account. Your unimelb email account will become an official means of communication between you and staff at the University. Important information will be sent to you throughout the year regarding exams, results, course planning and subject-related material. You must remember to EMPTY your email inbox regularly by deleting old messages so that it doesn’t fill up. This will prevent you from losing or missing out on important information. You can also arrange to have your unimelb emails forwarded automatically to your personal account such as hotmail or yahoo.

Are there any computers I can access?

The Faculty of Medicine Dentistry and Health Sciences supports two Student Computer Resource Centres (SCRC) for you to use throughout the semester and during semester breaks. The two computer labs are located in the Medical Building.

**Student Computer Resource Centres**
Level 2, North Wing, Medical Building and Level 3, West Wing, Medical Building

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<td>Monday – Thursday 8:30am-7:30pm</td>
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<tr>
<td>Friday 8:30am-5:00pm</td>
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<tr>
<td>Saturday 1:00pm-5:00pm</td>
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<th>Hours during semester breaks</th>
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<tbody>
<tr>
<td>Monday – Friday 9:00am-5:00pm</td>
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The Brownless Biomedical Library/MDHS Student Centre also houses computer facilities for students to use within standard and after hours access until 2am during semester.


I need some help with my computer skills

Student IT (Department of IT User Services) runs free IT skills sessions for students who need help in various areas of computing. For further information and bookings go to: http://www.studentit.unimelb.edu.au/

LIBRARIES

http://www.services.unimelb.edu.au/StudentCentre/library/index.html

There are so many libraries, which one do I need to use?

The main library you will need to access is the Brownless Biomedical Library. The Brownless is located on the west side of the campus (close to Grattan Street and Royal Parade).


For online searching, your library borrowing record, maps, floor plans and other library resources go to:

http://www.library.unimelb.edu.au/

Library tours are held at the beginning of each semester and are vital for learning how to research the catalogue, electronic databases and other resources. They will also increase your familiarity with the library layouts, learning spaces and student service points which can be quite daunting.
GLOSSARY

Advanced standing/credit: Advanced standing (also known as credit) may be available to students who have already completed some university study, including students who participated in enhancement or extension studies at an Australian university (e.g., Monash Enhancement) during Year 12. Gaining credit reduces the amount of time it takes to complete a degree. There are strict rules and regulations on what credit can be awarded, and students should refer to the credit policy for further information: http://www.services.unimelb.edu.au/policy/downloads/Credit.pdf

Biomedicine, BBiomed: the normal abbreviations of the Bachelor of Biomedicine.

Breadth subjects: subjects taken from outside your main area of study. See page 7 for details of breadth in the Bachelor of Biomedicine.

Capstone: Capstone studies are designed to provide integration and critical analysis of knowledge from a major area of study.

Compulsory/core subject: a subject you must take in order to meet your degree requirements. The Bachelor of Biomedicine has six compulsory subjects at level 1, two at level 2 and two at level 3. Check the Handbook for more information on compulsory subjects.

Department/School: An academic unit within a Faculty. The Faculty of Medicine, Dentistry and Health Sciences has four graduate schools and within these, several departments. They are principally responsible for the teaching and administration of subjects.

Eastern Precinct Student Centre: Staffed with experienced Student Advisers and Enquiries Officers, this should be your first port of call for any enrolment related queries and course advice.

Exemption: refers to the waiver of a particular subject on the basis of completion of equivalent study. Exemptions do not reduce the number of points required to complete your degree.

Handbook: The Handbook contains all of the information about your course and descriptions of all of the subjects available in the University. It also contains links to University regulations and guidelines. The Handbook is available online at: http://handbook.unimelb.edu.au/

Honours: an Honours year is an additional year of specialised study and research in a specific discipline area.

Level 1 subjects: these are the first level of subjects in an undergraduate Bachelor degree. Students must undertake the required number of level 1 subjects before undertaking level 2 subjects. These subjects may also be completed in later years of the BBiomed.

Level 2 subjects: the second level of subjects in an undergraduate Bachelor degree. Students must have taken, or have credit for, the required number of level 1 prerequisite subjects before gaining access to level 2 subjects. These subjects may also be completed in later years of the BBiomed.

Level 3: these are the highest level of subjects undertaken in the Bachelor of Biomedicine degree. Students undertake the required number of level 1 and/or level 2 prerequisite subjects before gaining access to level-3 subjects.

Major: is a program of study across level 1, level 2 and level 3 subjects, specifically defined by the 50 points at level 3 subjects, providing depth of knowledge in a specific area.

MDHS Student Centre: Staffed with experienced Student Advisers who will manage your enquiries in relation to undergraduate pathways into the Doctor of Medicine and other graduate Health Sciences disciplines as well as research pathways into a PhD or MPhil.

Points: subjects in the University are allocated a particular number of points. The majority of subjects offered are allocated 12.5 points each. Points are awarded for the successful completion of subjects and count toward your degree requirements.

Prerequisite: a subject or group of subjects which must be successfully completed before you are eligible to enrol in another subject. A prerequisite requirement can also be met if you have the required subject/s credited to your degree, or have received an exemption from the prerequisite subject/s. If a subject has a prerequisite requirement, this will be listed in the individual subject details in the Handbook.

Professional Recognition: accreditation of the subjects you have completed within your degree with a professional body.

Selectives: A select list of MDHS and Science-based elective subjects.

Subject Code: each subject within the University is allocated a unique identifying code.

Student Adviser: Student Advisers are professional staff members who are available to assist students with course planning and to provide advice on course requirements, leave of absence, subject selection, special consideration etc.
WHAT DO I NEED TO REMEMBER?

COURSE INFORMATION DAY

BIOL10002 Biomolecules and Cells
Dr Mary Familiar

CHEM10006 Chemistry for Biomedicine
Professor Muthupandian Ashokkumar

NOTES