Congratulations!

Welcome to the University of Melbourne and the Bachelor of Science.

Academic enrolment

Academic Advice Day (today)

- **Morning**
  - Course session (this one!)
  - From 10.30 am to 3.30 pm
    - Science subject information sessions
    - Science Subject Expo (2.30 – 3.30)
  - From 11.00 am to 3.00 pm
    - Breadth subject information sessions

Complete your enrolment by the end of 31 January

This session aims to ...

- provide you with information about the BSc,
- assist you with the selection of your subjects,
- inform you of the services offered by the Eastern Precinct Student Centre, and
- confirm the next steps you need to take.
How do the subjects work?

- Each subject is allocated credit points
  - All first year science subjects are 12.5 points each
- Students usually complete
  - 50 points (4 x 12.5 point subjects) in each semester
  - 100 points per year.
- Each subject has an entry in the Handbook, for example:
  - BIOL10004 Biology of Cells and Organisms

How does the course work?

- You need to complete
  - 300 points for your degree:
    - 225 - 250 points of science, including a 50 point major
    - 50 - 75 points of breadth
- Full-time students are advised to complete
  - 75 points of science subjects and
  - 25 points of breadth subjects each year.
- Part-time students are advised to complete 25 points of science subjects in each semester in first year.

Bachelor of Science - structure

<table>
<thead>
<tr>
<th>First year</th>
<th>Breadth</th>
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<tr>
<td>Second year</td>
<td>Breadth</td>
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<tr>
<td>Third year</td>
<td>Major - 50 pts</td>
<td>Breadth</td>
<td>Breadth</td>
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The Science component – the core

<table>
<thead>
<tr>
<th>First year</th>
<th>Science core – 225-250 pts</th>
<th>Breadth – 50-75 pts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Second year</td>
<td></td>
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<td>Third year</td>
<td>Major - 50 pts</td>
<td>Science core – 225-250 pts</td>
</tr>
</tbody>
</table>
Bachelor of Science - structure

**First year:**
- Students choose from nine first year packages of subjects, each underpinning several majors
- These provide a range of skills and knowledge

**Second year:**
- Refining choice, with at least two majors kept open to the end of second year
- Complementary or contrasting subjects

**Third year:**
- Major – a coherent package of subjects, capping off the degree
- Single discipline, interdisciplinary, multidisciplinary majors available

Bachelor of Science - 36 majors

- Agricultural Science
- Animal Health and Disease
- Atmosphere and Ocean Sciences
- Biochemistry and Molecular Biology
- Biotechnology
- Cell and Developmental Biology
- Chemical Systems
- Chemistry
- Civil Systems
- Computer Science
- Domestic Animal Science
- Ecology and Evolutionary Biology
- Electrical Systems
- Environmental Science
- Food Science
- Genetics
- Geography
- Geology
- Geomatics
- Human Structure and Function
- Marine Biology
- Mathematical Physics
- Mathematics and Statistics
- Mechanical Systems
- Microbiology, Infection and Immunology
- Neuroscience
- Pathology
- Pharmacology
- Physics
- Physiology
- Plant Science
- Psychology
- Science Informatics
- Software Systems
- Zoology

Bachelor of Science - majors

**Major in Genetics**

**First year**
- Biology of Cells & Organs
- Chemistry 1
- Famine in Modern World
- Breadth

- Genetics & Evolution of Life
- Chemistry 2
- Natural Environments
- Breadth

**Second year**
- Principles of Genetics
- Reactions and Synthesis
- Breath
- Breadth

- Genes and Genomes
- Experiments in Genetics
- Structure and Properties
- Practical Chemistry

**Third year**
- Evolutionary Genetics ...
- Genes: Organisation & ...
- Elective - Chemistry?
- Breadth

- Genetic Analysis
- Human & Medical Genetics
- Elective - Chemistry?
- Breadth

Major, Genetics
Bachelor of Science - majors

Major in Chemistry

First year

- Chemistry 1
- Biology of Cells & Organism
- Physics 1
- Breadth
- Chemistry 2
- Genetics & Evolution of Life
- Physics 2
- Breadth

Second year

- Reactions & Synthesis
- Human Structure
- Biochemistry & Mol. Biol
- Breadth
- Structure & Properties
- Practical Chemistry
- Human Physiology
- Breadth

Third year

- Reactivity & Mechanism
- Advanced Practical Chem
- Elective - Biochemistry?
- Breadth
- Specialised Topics Chem A
- Specialised Topics Chem B
- Elective - Biochemistry?
- Breadth

Major, Chemistry - and meets entry requirements to Health Science degrees

Bachelor of Science - majors

Major in Electrical Systems, leading to M Engineering

First year

- Engineering Systems D 1
- Calculus 2
- Physics 1
- Breadth
- Engineering Systems D 2
- Linear Algebra
- Physics 2
- Breadth

Second year

- Engineering Mechanics
- Engineering Computing
- Real Analysis with App.
- Breadth
- Electrical Networks
- Vector Calculus
- Dynamical Systems & ...
- Breadth

Third year

- Electrical Network Analysis
- Digital System Design
- Elective - Physics?
- Breadth
- Elect. Device Modelling
- Signals and Systems
- Elective - Maths?
- Breadth

Major, Electrical Systems, leading to M Engineering

Packages prepare for majors

- Agricultural Science
- Animal Health and Disease
- Atmosphere and Ocean Sciences
- Biochemistry and Molecular Biology
- Bioengineering Systems
- Biotechnology
- Cell and Developmental Biology
- Chemical Systems
- Chemistry
- Civil Systems
- Computer Science
- Domestic Animal Science
- Ecology and Evolutionary Biology
- Electrical Systems
- Environmental Science
- Food Science
- Genetics
- Geography
- Geology
- Geomatics
- Human Structure and Function
- Marine Biology
- Mathematical Physics
- Mathematics and Statistics
- Mechanical Systems
- Microbiology, Infection and Immunology
- Neuroscience
- Pathology
- Pharmacology
- Physics
- Physiology
- Plant Science
- Psychology
- Science Informatics
- Software Systems
- Zoology

First year packages

Refer to pages 12 and 13 of your guide.

To assist you with your subject selection in your first year:

- Behavioural Sciences
- Chemical Sciences
- Earth Sciences
- Engineering Systems
- Environmental Sciences
- Information Technology
- Life Sciences
- Mathematics and Statistics
- Physical Sciences
First year ________________________________________________

In first year full-time normally students choose

- six science subjects
- two breadth subjects
- but, you may take 7 + 1 if flexibility is required.

Available science subjects are listed on page 28 of your Guide – try something new!

Your science subjects should include three sequences.

Your first year subjects

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Breadth

Breadth

Breadth

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Second year _____________________________________________

Breadth

Breadth

Breadth

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Third year ______________________________________________

Breadth

Breadth

Breadth

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Breadth in the BSc – to develop your knowledge, skills and interests

Cross-disciplinary breadth subjects:

- Introduction to Climate Change
- Australian Indigenous Studies
- Generating the Wealth of Nations
- An Ecological History of Humanity
- Drugs that Shape Society

Subjects that complement your degree:

- Environmental Economics
- Science, Reason and Reality
- Communicating Science and Technology
- Ethical Dilemmas in Life and Society

Subjects to follow your interests …

- Languages, Politics, Media, Law …
- Music, Creative Writing …
Breadth in the BSc - tracks

**Understanding the Development of Science**
- From Plato to Einstein
- Astronomy in World History
- Science: Revolutions and Evolutions

**Marketing Strategy**
- Principles of Marketing
- Strategic Marketing
- Global Marketing

**Education – Creativity & learning**
- Creativity, Play and the Arts
- Youth/Arts: Expressing Cultural Identity
- Engaging Youth: Art, Media and Performance

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**Breadth**

There’s no fixed way of choosing your breadth subjects so before you do you might want to think about whether you want to complement your core studies, achieve prerequisites or simply take a subject that interests you.

Make sure you explore all your options before you decide which subjects you’d like to take.

**Enrol**

Once your enrolment is confirmed, you are an official student of the University of Melbourne. Although you’ve already made an initial subject selection, you still have some time to think about exactly what you want to study before classes begin.

Find out how to complete your enrolment at: www.services.unimelb.edu.au/transition/enrol

**Explore**

To start exploring your options for breadth and to learn more about it, visit:
- breadth.unimelb.edu.au
- Other resources to explore your options include:
  - Handbook: handbook.unimelb.edu.au
  - Department/discipline websites
  - Subject information sessions
  - Breadth database: breadth.unimelb.edu.au/breadth
  - Your Student Centre: studentcentre.unimelb.edu.au

**Elect**

Only you can elect which subjects to do as breadth. Staff can help you, but it’s your decision.

Once you’ve decided on your subjects, you can make changes to your enrolment through your Student Portal: portal.unimelb.edu.au

You should aim to have your subjects finalised by the start of Week O.

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**More info about subjects?**

- Read the information in your Guide
- Read the information in the 2011 Course and Subject Handbook available at handbook.unimelb.edu.au
- Seek advice from subject coordinators, at the
  - Science information sessions throughout today
  - Science Expo

**Today!**

2:30pm to 3:30pm
in the Basement Foyer, The Spot Building

- Later on, use the contact details in the online handbook
BSc pathways

直奔就业：
资源，技术，环境，金融，健康

研究生课程计划

工程，牙科，医学，物理治疗，验光，护理，兽医科学
...

硕士（专业为重点）...
环境，生物技术，运营研究与管理科学，森林生态系统科学...

研究生课程计划

法律，管理，教学，信息系统

通往研究更高学位的途径

BSc途径 - 专业认证

专业研究生课程：

工程：特别设计的“系统”专业，通向工程硕士课程。

法律：所有NG学位毕业生都符合进入Juris Doctor的条件。

健康科学：医学，牙科，物理治疗，验光，护理，兽医医学的先修课程在BSc中可用。

教学（早期 childhood, Primary, Secondary）：BSc毕业生符合所有M Teach计划，并且有相关领域的学习范围。

增强你的学位

- 补充研究在某些学科领域
- 你学位和文凭的学分，如果你选择

请参阅第5页的指南。

- 语言
- 数学科学
- 信息学
- 音乐（实践）

请预约学生顾问，如果您想申请并读取的文凭。

东方校区学生中心

你的学生中心！

在http://www.studentcentre.unimelb.edu.au/eastern查找。

工作人员和网络信息可以帮助：

- 入学查询
- 课程和学位建议包括个别预约与学生顾问
- 转介给学术工作人员进行学科建议，和其他学生服务
- 如果出了问题或长期遇到问题，如如何申请特殊考虑，取消，请假…
Science Transition Assistance Program to help you make a successful transition to university.
- You will be automatically enrolled in SKIL10006 for semester 1 and will have an hour scheduled in your timetable

Study skills support

Kickstart Your Career in semester two to help you create a successful career out of your degree.

Will I be able to change subjects?
- Yes!
  As indicated on the back of your Academic Advice Guide, visit:
  http://www.studentcentre.unimelb.edu.au/eastern/

How do I obtain my timetable?
- Refer to the back cover of your Academic Advice Guide.
- You can access timetables through the Student Portal.
- If the timetable doesn’t suit you can generally change the times, within those offered, online.
- A timetable helpdesk will be available in the EPSC from 14 February.
DELA (Diagnostic English Language Assessment)

- Identifies academic **English language skills** that you may need to develop further in order to do well in your academic studies.
- Recommends ways in which your Academic English can be improved within your degree structure.
- Students who have achieved:
  - IELTS (score below 7)
  - VCE English (study score between 25-29)
  - English Language or English Literature (study score between 25-29)
  - VCE ESL English (study score between 30-34)

  will be required to take DELA on enrolment and follow up on the recommendations for language support.
- Need more information?
  - Visit the Academic Skills Unit website
    www.services.unimelb.edu.au/asu/services/DELA/index.html

**Week O – Orientation!**

**Tuesday 22 February to Friday 25 February**

Orientation introduces you to:
- campus life, people; students and staff
- teaching and learning methods
- resources and support

Activities include:
- General study support
- Faculty/course information
- Life support & fun stuff
- Host Program

"I had a great time during all the sessions and we got to know who to go to when we needed help. I really appreciated the session called academic writing for assessment. It gave me a better idea of what is expected of me."

**What to do now**

- **Attend** the expo and subject information sessions (**STAGE 3**).
- If you have received a letter about credit for prior tertiary study, **attend the Science Advanced Standing session** (**3.30 pm here**).
- **Attend** a student appointment if required (**STAGE 4**)
  - Students who wish to discuss their enrolment can **obtain an appointment with a student adviser**
- **Complete** your online enrolment by 31 January (**STAGE 5, STAGE 6**).
- **Collect** your student card & student diary from Sydney Myer Asia Centre (till 31 Jan), or EPSC (**STAGE 6**)

**Student Appointments**

- Not everyone will need an appointment.
- If you are seeking advice on :
  - Applying for Advanced Standing/Credit
  - Enrolling in a Concurrent Diploma
  - Studying part time
  - Course structure, pathways to further study

  ... appointments can be obtained after this session, or at the Science Expo and from the EPSC this afternoon.
- Interstate or rural students can obtain an appointment time for today at the end of this session. You will need to provide evidence of your status.
Non VCE Study Completed?

- If you come from a background other than VCE you may need assistance enrolling in certain subjects that have prerequisites.
- There is a Non VCE Subject Pre-requisite Waiver form included in your enrolment pack.
- There is no need to make an appointment with a Student Adviser, you can fill it in the form and drop it off at the EPSC.
- EPSC staff will then enrol you in the subjects over the next day or so.

Parents – a session for you

- Parents of BSc students are warmly invited to attend our Parent Information Session.
- **Time:** 11.30 am – 12 pm
- **Venue:** Theatre 1, Alan Gilbert Building

‘Melbourne Summer Reading’ 2011

- ‘MSR’ identifies a book which speaks to some of the big issues of our time in exciting and accessible fashion. It is designed to welcome new undergraduates to the University and our values of intellectual stimulation, reflection and debate.
- Before the commencement of first semester, please read Nam Le’s award-winning collection, *The Boat*.
- The collection ranges in place from Iowa City and New York City to a small Australian community, Tehran, and a boat in the South China Sea. It’s a great read!
- Collect your copy of *The Boat* from today, or later this week, at the special price of $5 at one of the University Bookshops.
- We will have online discussion during February, and a forum early in the semester.
- For online discussions with other students, click on ‘Melbourne Summer Reading’, at www.services.unimelb.edu.au/transition

Questions & feedback?

Ask questions …
- at the expo
- at your subject information sessions
- at your student advisor appointment if required.

Give us feedback…
- When you collect your student card
- Commencing student survey