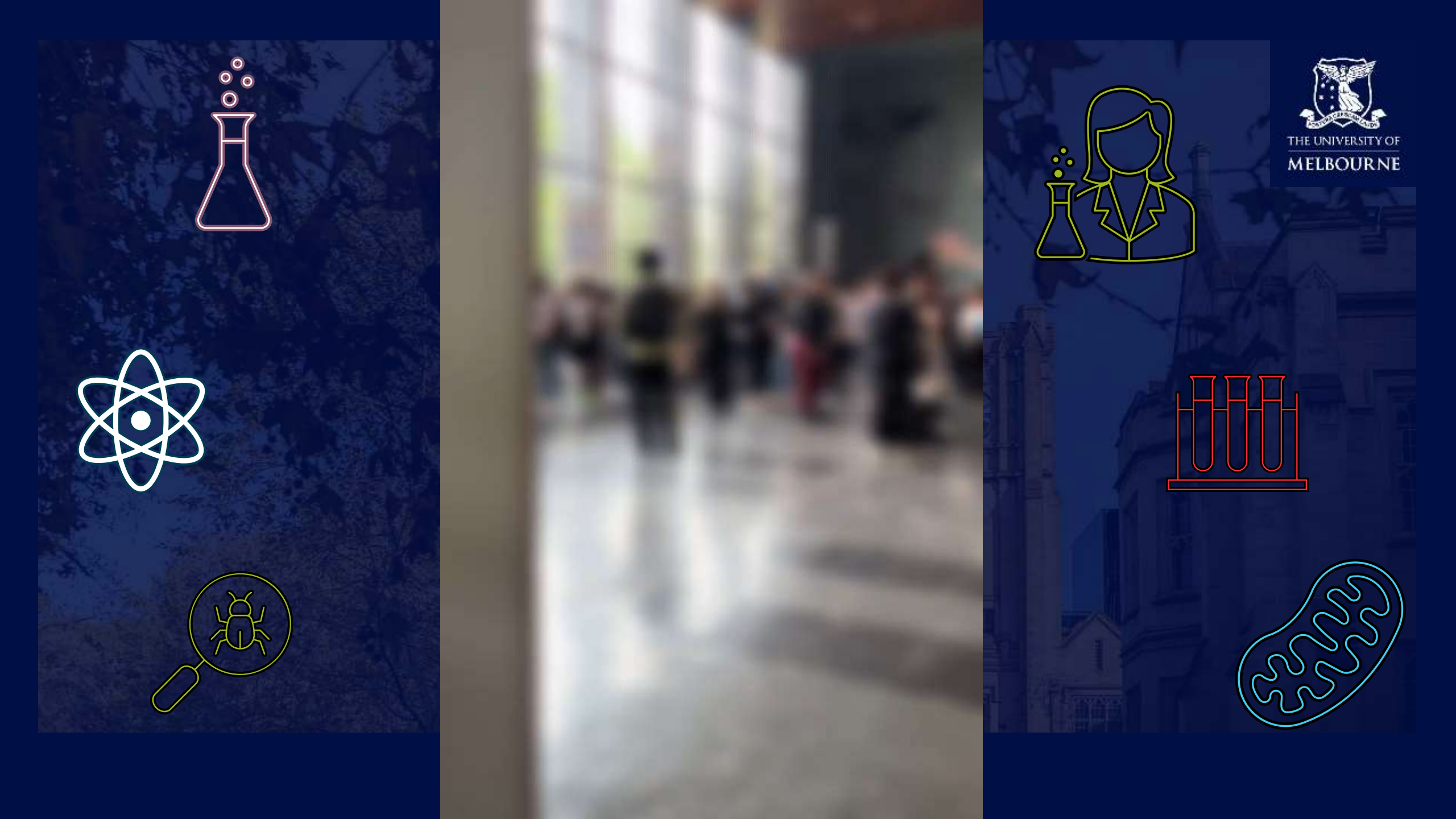
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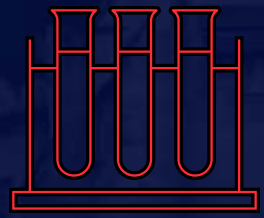
Welcome to Science: Day 1!



Acknowledgement of Country

The University of Melbourne acknowledges the Traditional Owners of the unceded land on which we work, learn and live: the Wurundjeri Woi-wurrung and Bunurong peoples (Burnley, Fishermans Bend, Parkville, Southbank and Werribee campuses), the Yorta Yorta Nation (Dookie and Shepparton campuses), and the Dja Dja Wurrung people (Creswick campus).

The University also acknowledges and is grateful to the Traditional Owners, Elders and Knowledge Holders of all Indigenous nations and clans who have been instrumental in our reconciliation journey.

We recognise the unique place held by Aboriginal and Torres Strait Islander peoples as the original owners and custodians of the lands and waterways across the Australian continent, with histories of continuous connection dating back more than 60,000 years. We also acknowledge their enduring cultural practices of caring for Country.

We pay respect to Elders past, present and future, and acknowledge the importance of Indigenous knowledge in the Academy. As a community of researchers, teachers, professional staff and students we are privileged to work and learn every day with Indigenous colleagues and partners.

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1. Select Visitor from available wireless networks. Launch a web browser and access any website (On some devices this is done automatically). Your web browser will redirect to the Visitor login screen.

2. Enter the below username and password:
Username: scienceday1
Password: @V3aq#

3. Click Connect/Ok.

THE UNIVERSITY OF MELBOURNE

We will be taking photos throughout the day today to post on Social Media. If you do not wish to be photographed, please let a member of staff know.

Science: Day 1

Schedule

TIME	SESSION	VENUE
1:15pm	Course Planning 101	Wilson Hall
2:00pm	Social Activity	Wilson Hall
2:30pm	Science Students' Society Panel Discussion	Wilson Hall
3:00pm	Science Expo/Campus Tours/Food	MacFarland Court

Course Planning 101: Bachelor of Science

THE UNIVERSITY OF MELBOURNE

Commencing students | Semester 1 2024

Session overview

THE UNIVERSITY OF MELBOURNE

- Get to know your responsibilities as a student
- Understand your course structure and rules
- Learn how to choose and enrol in your first-year subjects
- Understand how to create your class timetable

Enrolment requirements

THE UNIVERSITY OF MELBOURNE

Course planning key players

Planning your course and managing your enrolment – who does what?

Academic staff

Can provide guidance on subject and course options based on **content** and **academic suitability.**

May provide approval for certain enrolment changes (which can then be submitted to Stop 1).

YOU

Spends time **exploring** options and pathways – only *you* know your future.

Self-manages enrolment in my.unimelb.

Routinely checks course plan and study plan – know what subjects you are enrolled in *every* semester to **stay on track**.

Course Planning (Stop 1)

Can help you to understand your course **rules** and enrichment **options**.

Checks your course plan for you if you need **reassurance**.

Helps resolve enrolment issues when you can’t self-manage them.

Know your responsibilities

It is up to you to stay on track to achieve your academic goals. You will need to:

- Meet your course rules and requirements with the subjects you choose
- Maintain an appropriate study load
- Know the key dates for your subjects and the impact if you withdraw from a subject
- Be aware of the course progression rule when you enrol
- Regularly check your student emails

Study load requirements

Domestic students:

- Enrol in at least <u>one subject</u> each half-year period
- Enrolling in less than 50 points each half-year period may extend your studies

International student visa holders:

- Enrol in at least **<u>50 credit points</u>** each half-year period*

**Must include at least one subject that you attend in-person on campus*

- Maximum of one third of your total course by online study

✓ **Enrol in <u>all</u> your subjects for 2024**

Key dates

Check each enrolled subject in the Handbook. Dates vary between standard and non-standard study periods.

The **Last date to self-enrol** is the final date you can enrol in a new subject or swap subjects.

The **Census date** is the last date you can withdraw from a subject without paying for the fees and having the subject recorded on your academic transcript.

The **Last date to withdraw without fail** is the final date you can withdraw from a subject without a grade on your academic transcript.

Subject rules

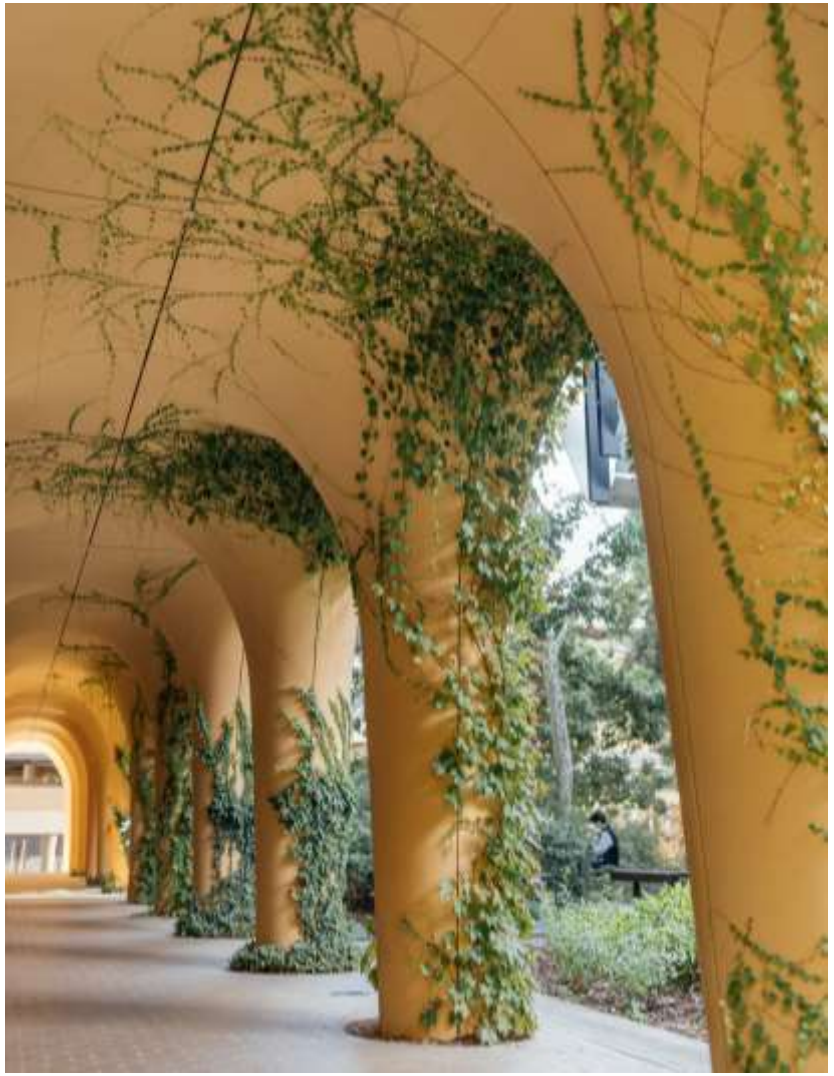
Standard subjects are worth <u>12.5 credit points</u>

Subject levels
Undergraduate subjects are taught at levels 1-3

- BIOL**<u>1</u>**0011 = Level1
- MAST**<u>2</u>**0005 = Level 2
- COMP**<u>3</u>**0027 = Level 3

Course progression rule
You must complete 50 points (4 standard subjects) at one level before attempting any subject at the next level.

When can I study each level?
Subject levels generally match with your first, second and third year of studies, ***but*** you can mix things up once you've met the course progression rule and any subject pre-requisites.



Course rules and structure

THE UNIVERSITY OF MELBOURNE

The Handbook

handbook.unimelb.edu.au

The Handbook is the University's official source of course and subject information.

Let's explore how to:

- Check your course structure requirements
- Explore different majors and minors in your course
- Use the home page to filter your searches
- Find out about individual subjects and check if they have pre-requisites
- Check key subject dates and times

B-SCI Course Requirements – *subject types*

Discovery subject: Introduces students to the study of Science at first-year and beyond. Must be completed within the **first semester** of study.

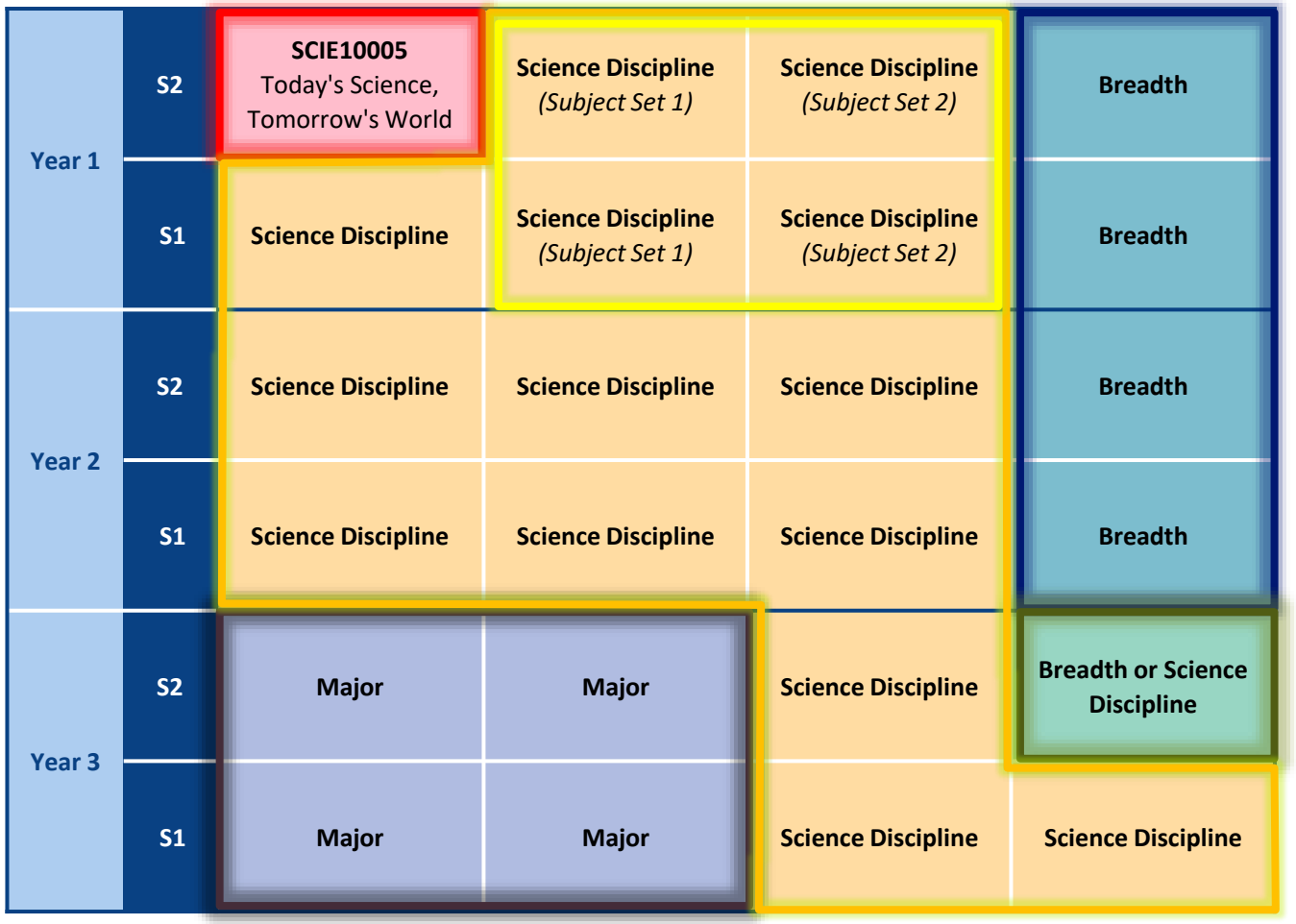
Science Disciplines: **Elective** subjects from Science disciplines that lead to your major subjects, complement your major or allow you to pursue other areas of interest.

Subject Sets: Groupings of related first year elective subjects that build a foundation of knowledge in a particular area of study. It is recommended to complete **two** subject sets.

Major subjects: Set of **four Level 3** subjects in a science specialisation.

Breadth: Subjects that are **outside** of the science disciplines.

Breadth or Science Discipline: Flexibility to choose **either** a science elective or a breadth.



B-SCI Course Structure

Requires the successful completion of **300 points** comprising:

- **12.5 credit points of Level 1 Compulsory subject**
- **225 points (18 standard subjects) of Science subjects:**
  - At least 62.5 points Level 1 subjects
  - At least 62.5 points Level 2 subjects
  - At least 75 points Level 3 subjects
- **50 points (4 standard subjects) of Breadth**
  - No more than 25 points at Level 1
- **12.5 points (1 standard subject)**
  - can be either Breadth **or** Science subject

Additional Course Rules

- Course progression rule
- Maximum of 125 points of Level 1 subjects in total
- Completion of **ONE Major only**
- A minimum of two distinct Level 1 areas of study
- A maximum of 37.5 points from any distinct Level 1 area of study

Year 1	S2	SCIE10005 **Level 1**	Science Discipline *Subject Set 1* **Level 1**	Science Discipline *Subject Set 1* **Level 1**	Breadth **Level 1**
	S1	Science Discipline **Level 1**	Science Discipline *Subject Set 1* **Level 1**	Science Discipline *Subject Set 1* **Level 1**	Breadth **Level 1/2**
Year 2	S2	Science Discipline **Level 2**	Science Discipline **Level 2**	Science Discipline **Level 2**	Breadth **Level 2/3**
	S1	Science Discipline **Level 2**	Science Discipline **Level 2**	Science Discipline **Level 1/2/3**	Breadth **Level 2/3**
Year 3	S2	Major **Level 3**	Major **Level 3**	Science Discipline **Level 3**	Breadth or Science Discipline **Level 1/2/3**
	S1	Major **Level 3**	Major **Level 3**	Science Discipline **Level 3**	Science Discipline **Level 1/2/3**

Today's Science, Tomorrow's World *(SCIE10005)*

URL: go.unimelb.edu.au/rb6e

- SCIE10005 is designed to be taken in the first semester of enrolment in the Bachelor of Science.
- Consists of 5 weeks of core material and 2 investigations of your choice (from climate change to environmental sustainability)
- Completion of at least 50 points of Level 1 study AND SCIE10005 is required to enrol into Level 2 subjects.

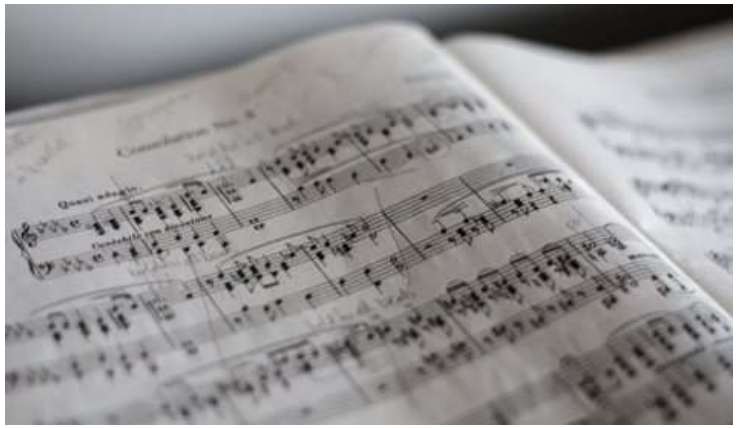
Breadth subjects

URL: https://go.unimelb.edu.au/4wor

A breadth subject is a subject from a different faculty/area of study to the degree that you are enrolled in.

It enables you to:

- Develop skills that *complement* your major/specialisation
- Pursue *interests outside* of your main study area
- Take advantage of specially designed multidisciplinary UNIB subjects
- Meet prerequisites for graduate courses in non-cognate disciplines



Majors

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B-SCI Majors

Over 40 majors in the B-SCI and some include specialisations*

Biological Sciences

- Agricultural Science
- Animal Health and Disease
- Animal Science and Management
- Biotechnology*
- Cell and Developmental Biology
- Ecology and Evolutionary Biology
- Ecosystem Science
- Environmental Science*
- Food Science
- Human Nutrition
- Immunology
- Human Structure and Function
- Marine Biology
- Microbiology
- Neuroscience
- Pathology
- Pharmacology
- Psychology
- Physiology
- Plant Science
- Veterinary BioSciences
- Zoology
- Infection and Immunity
- Genetics

Chemical Sciences

- Biochemistry and Molecular Biology
- Chemistry*

Engineering Systems

- Biomedical Engineering Systems
- Chemical Engineering Systems
- Civil Engineering Systems
- Electrical Engineering Systems
- Environmental Engineering Systems
- Mechanical Engineering Systems
- Mechatronics Engineering Systems
- Spatial Systems

Physical Sciences

- Physics*

Mathematics and Statistics

- Mathematics and Statistics*
- Mathematical Physics

Earth Sciences

- Climate and Weather
- Geology

Geography

- Geography

Information Technology

- Computational Biology
- Computing and Software Systems
- Data Science
- Informatics

Major structure & rules

- Majors are defined as **50 points of Level 3** Science subjects
- Most will have 2-4 **prerequisite subjects** in both Level 1 and Level 2
- Students are required to **complete Level 1 and 2 prerequisite subjects before** commencing Level 3 major subjects
- In the B-SCI it is only possible to complete **ONE major**
- Some majors offer **specialisations**
- There are **no minors** available in B-SCI

Psychology major

Two sequences are available in the B SCI:

- a **125-point accredited major sequence** by the Australian Psychology Accreditation Council (APAC)
- a **50-point major sequence**

If you aim to work as a registered psychologist in Australia, **complete the 125-point accredited major**.

Veterinary Bioscience major

Students who are looking to become a veterinarian can apply for the Major in Veterinary BioSciences. This is the **accelerated pathway** to the **Doctor of Veterinary Medicine** (DVM).

You will need to **apply** for the Major of Veterinary Bioscience / DVM at the **END** of your second year in B-SCI.

To be successfully entered to the Veterinary Bioscience major, you must be on track to complete **200 points of study by the end of your second year**, including:

- 50 points of breadth
- 25 points Level 1 Biology
- Frontiers in Veterinary Science (VETS20019)
- Biochemistry and Molecular Biology (BCMB20002)

Nuclear powered submarine pathway

- New government initiative available to **Australian citizens or Permanent Residents**
- Aims to develop highly skilled STEM graduates to meet the future workforce needs of the Australian Submarine Agency
- If you are interested in majoring in:
  - Mathematics and statistics
  - Chemistry
  - Physics
- You must submit the Expression of interest form **prior to the census date on 3 April 2024**.

Choosing subjects

THE UNIVERSITY OF MELBOURNE

Advanced standing (credit)

Advanced standing is **acknowledgment of prior study** granted towards your current degree, based on prior study.

If awarded, the length of your degree may be reduced.

- Apply as soon as you receive your unconditional offer
- The timely application deadline is **7 February** – this guarantees an outcome before semester starts
- Only **one** application can be submitted using the online system
- If you need to provide additional details**, submit an online enquiry to Stop 1**
- While waiting for an outcome, **enrol** as per the Handbook
- You can change subjects up to the **last day to self-enrol**

How to plan your first year?

B-SCI is a flexible degree! Try a broad range of subjects!

If you know what you want to do, plan from first year. If you want to leave your options open, you have the freedom to explore in first year.

- **Goal-oriented** - plan backwards from major/grad study OR
- **Exploratory** - build forward from interests OR
- **A bit of both**…

Rules

- ✓ Only **Level 1 subjects in your first semester**
- ✓ Choose at least **two different Science disciplines at Level 1**

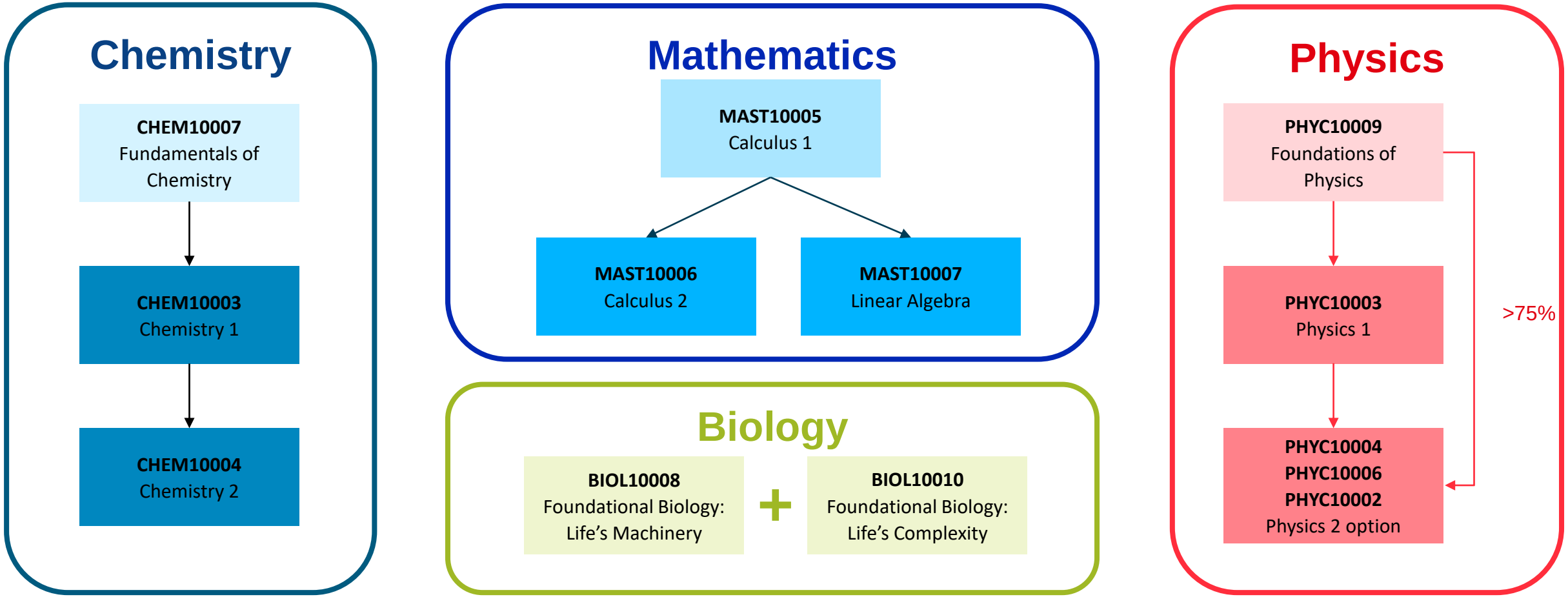
Year 1	**S2**	**SCIE10005** Today's Science, Tomorrow's World (Level 1)	**Science Discipline** (Level 1)	**Science Discipline** (Level 1)	**Breadth** (Level 1)

OR

Year 1	**S2**	**SCIE10005** Today's Science, Tomorrow's World (Level 1)	**Science Discipline** (Level 1)	**Science Discipline** (Level 1)	**Science Discipline** (Level 1)

Level 1 prerequisites

HELP! I didn't do chemistry/biology/physics/maths in high school! What do I do?



Non-VCE prerequisites

If you do NOT have a recognized VCE/equivalent background, you will need to take the following steps:

Level 1 Maths
- Submit a copy of all your relevant transcripts via an EAF

Level 1 Chemistry
- Email the subject coordinator with a copy of high school transcript for approval to enrol
- Submit an Enrolment Assistance Form (EAF) with PDF of email approval attached

Level 1 Physics
- Email dfys@physics.unimelb.edu.au with a copy of high school transcript for approval to enrol
- Submit an EAF with PDF of email approval attached

First year subject sets

URL: ***go.unimelb.edu.au/u8vi***

- Groupings for Level 1 subjects (2-3 subjects per subject set)
- Total of **9** subject sets to choose from
- Not compulsory
- Recommended to choose two subject sets
- Biological Sciences and Chemical Sciences subject set combinations **keep the largest number of major options available**
- Designed to help you decide which major to choose later on

First year subject sets *(continued)*

Recommended that you choose **two different subject sets.**

You're not locked into a subject set!
If you don't like the first subject in a set, you can choose a different one next semester.

Year 1	S1	**SCIE10005** Today's Science, Tomorrow's World	BIOL10010 Introductory Biology: Life's Complexity	**COMP10001** Foundations of Computing	**Breadth**
	S2	**Science Discipline**	BIOL10008 Introductory Biology: Life's Machinery	**CHEM10003** Chemistry 1	**Breadth**
Year 2	S1	**Science Discipline**	**Science Discipline**	**CHEM10004** Chemistry 2	**Breadth**

The Biological Sciences subject set

BIOL10008 Introductory Biology: Life's Machinery	OR	BIOL10009 Biology: Life's Machinery
BIOL10010 Introductory Biology: Life's Complexity	OR	BIOL10011 Biology: Life's Complexity

The Information Technology subject set

COMP10001 Foundations of Computing	+	COMP10002 Foundations of Algorithms

The Chemical Sciences subject set

CHEM10003 Chemistry 1	+	CHEM10004 Chemistry 2

Majors matrix

URL: ***https://go.unimelb.edu.au/47ui***

Need assistance with ensuring you are enrolling into the right subject sets?

The **Majors Matrix** can assist you to ensure that you enrol into the subject sets that
are prerequisite subjects for your chosen major.

Bachelor of Science

● Required for this major ▲ Recommended for this major

Majors in the Bachelor of Science

Subject sets	Biological Sciences	Chemical Sciences	Earth Sciences	Engineering Systems	Geography	Information Technology	Mathematics and Statistics	Physical Sciences	Psychological Sciences	Additional information
Agricultural Science	●	▲								
Animal Health & Disease	●	●						▲		
Animal Science & Management	●	▲								
Biochemistry & Molecular Biology	●	●								CHEM10003 is required
Biomedical Engineering Systems	●	▲		▲			●			
Biotechnology	●	●								
Cell & Developmental Biology	●	▲								
Chemical Engineering Systems		●		●			●			
Chemistry	▲	●					▲	▲		
Civil Engineering Systems			▲	▲			●			Biology subject set required for Medicinal Chemistry specialisation
Climate & Weather			▲				●			MAST10006 and ATOC10001 required
Computing & Software Systems						●	●			
Data Science						●	●			
Digital Infrastructure Engineering Systems						▲	●			
Ecology & Evolutionary Biology	●				▲					
Ecosystem Science	●									BIOL10001 is required for Urban Ecosystems specialisation
Electrical Engineering Systems				▲			●	●		PHYC10004 or PHYC10002 is the required semester 2 choice
Environmental Engineering Systems	●		▲	▲			●	▲		PHYC10003 and EVSC10001 are required
Environmental Science	▲	▲	▲		▲		▲			One Level 1 Mathematics and Statistics subject is required
Food Science	●	▲					▲			
Genetics	●	▲								
Geography			▲		▲					
Geology			●							
Human Nutrition	●	●								
Human Structure & Function	●	▲								
Immunology	●	●								
Infection & Immunity	●	▲								
Marine Biology	●	▲	▲							
Mathematical Physics							●	●		
Mathematics & Statistics							●			
Mechanical Engineering Systems				▲			●	●		
Mechatronics Engineering Systems				▲			●	●		
Microbiology	●	▲								
Neuroscience	●	▲							▲	
Pathology	●	●								
Pharmacology	●	●								
Physics		▲					●	●		Chemistry subject set is required for certain specialisations
Physiology	●	▲								
Plant Science	●									
Psychology				▲		▲	●		●	
Veterinary BioScience	●	●						▲		PHYC10009 and ZOOL20006 is recommended if Physics was not completed in year 12.
Zoology	●	▲								

My Course Planner

My Course Planner is an interactive tool that allows you to explore your options and validate your choices to design a program that's right for you.

- View a **checklist** of your course requirements, including the subjects, majors and minors available in your course
- Add a **pre-prepared template** for your major subjects
- **Test** what happens if you select a particular major or subject before you enrol
- Get a visual course plan that you can **print and share**
- **Easily search** for breadth and discipline elective subject options

Enrol in subjects and create your timetable

THE UNIVERSITY OF MELBOURNE

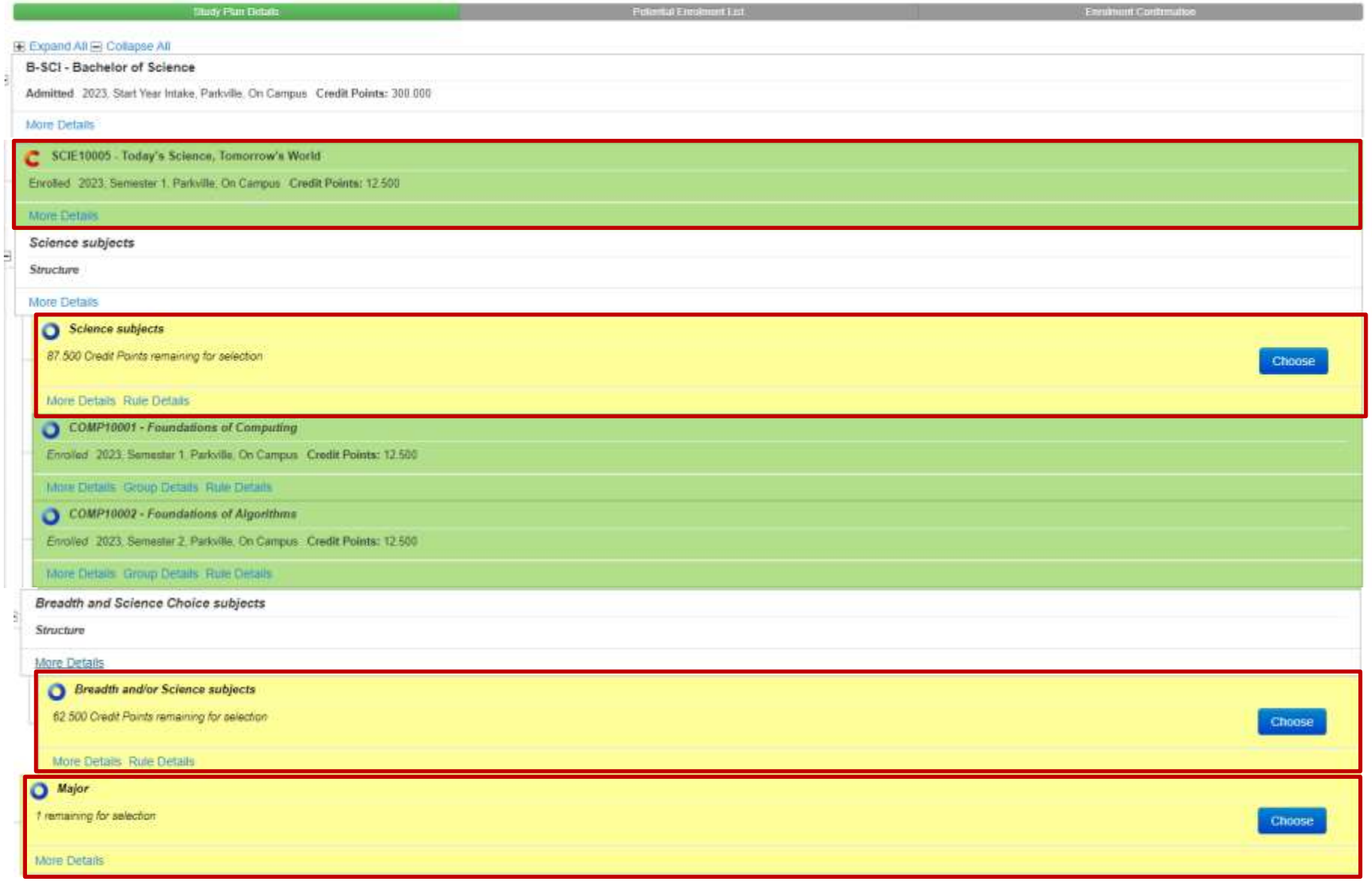
How to enrol in Subjects - Study Plan

SCIE10005 is automatically loaded to the Study Plan for your first semester

Enrol into your level 1, 2 and 3 Science Discipline subjects within the 'Science subjects' section

Enrol into your Breadth subjects and Free Point subject within the 'Breadth and/or Science subjects' section

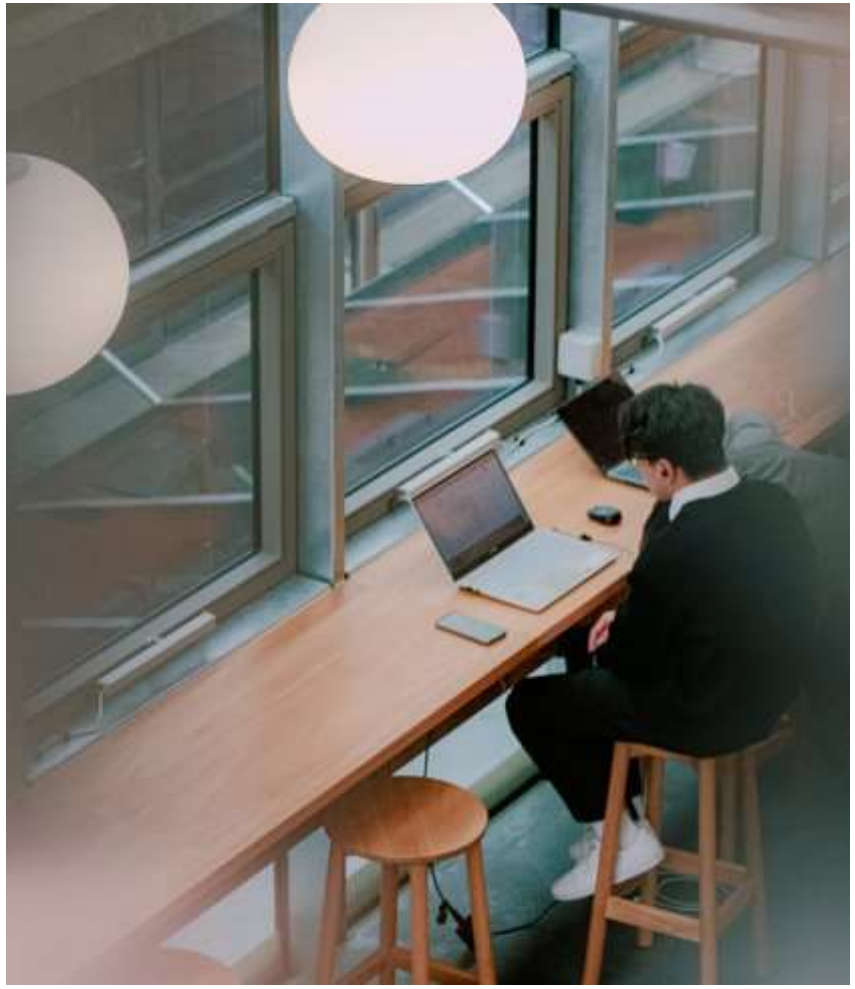
You can add your major to your Study Plan via the 'choose' button



Enrolment Assistance Form

If you can’t make an enrolment change yourself, you can submit an Enrolment Assistance Form to request:

- Change/add a major, minor or specialisation
- Move completed/enrolled subjects on your study plan
- Enrol in a subject that you have been granted a pre-requisite waiver for
- Add new subjects that you are unable to do so yourself due to credit exemptions
- Enrol with an approved non-VCE subject prerequisite
- Apply to overload



Class timetable dates

There are **three stages** to creating your timetable:

1. Preference entry
2. Class allocation
3. Review and adjust

Timetable dates for Semester 1, 2024	
Enter your class preferences	Tuesday, **16 January**, 10am - Monday, **5 February** 8am (AEDT)
Class allocation (wait for your timetable)	Monday **5 February**, 8am – Friday, **9 February**, 10am (AEDT)
Review and adjust your timetable	From Friday, **9 February**, 10am (AEDT)

Timetable help

- Refer to the **MyTimetable help guides** if you have a problem such as full classes or a clash
- There may be up to a 24-hour delay after enrolling in subjects
- Check timetable dates to confirm the current stage
- If you can’t resolve a timetable issue after allocations are sorted on 9 February, submit a **Timetabling Assistance Form** (TAF) - this will be assessed by your faculty

URL: https://go.unimelb.edu.au/45ks

Stop 1 Help Lab

If you need to solve an enrolment problem before Semester 1 starts, visit us in the Stop 1 Help Lab.

- Located on Level 1 of the Stop 1 building (Parkville)
- Bring your own device or use one of our computers
- This service is available from **Monday 5 February.**

We can help you with:

- Finalising your Semester 1 subject enrolment
- Understanding your timetable
- Troubleshooting administrative issues
- Understanding your fee statement.

Your feedback

We’d love to hear your feedback to help us make this presentation even better!

Please scan the QR code to complete our short survey about today’s Course Planning 101 session.

You can go into the draw to win a $25 voucher!

Thank you ☺

Science: Day 1

Up Next

TIME	SESSION	VENUE
1:15pm	Course Planning 101	Wilson Hall
2:00pm	Social Activity	Wilson Hall
2:30pm	Science Students' Society Panel Discussion	Wilson Hall
3:00pm	Science Expo/Campus Tours/Food	MacFarland Court

Now let’s have some fun!

Science: Day 1

Up Next

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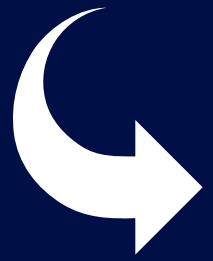

Science Students' Society

Student Panel

- Ashley Ward
- Riddhi Gawarikar
- Wilson Macdonald
- Trinity Ng
- Jakiah Ali

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SSS

Upcoming Events

Orientation Week (19 – 23 February)

Bachelor of Science Orientation Day

Monday 19 February

- *Science Street Party*
- *Official Welcome to the BSc*
- *Your first MPMP Session*
- *Melbourne Commencement Ceremony*

Tuesday 20 February

- *Learn and Launch*

Science: Day 1

Up Next

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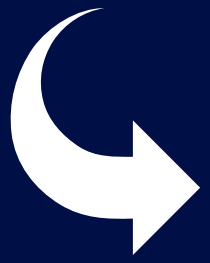
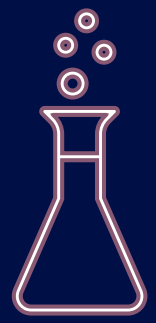
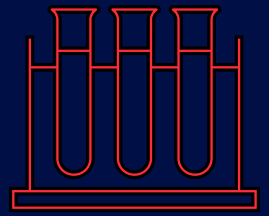
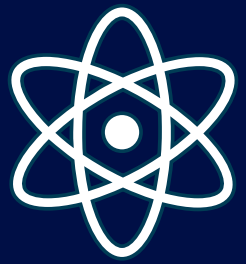
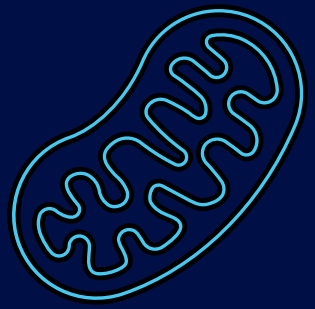


Enjoy the rest of Science: Day 1!









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