



## Mathematics Bridging Course



The Mathematics Bridging Course aims to teach relevant topics of the HSC Mathematics Extension 1 subject, including, but not limited to:

- Revision of algebra
- Functions
- Trigonometric identities
- Calculus
- Newton's method

All lectures and exercises are available online from 3rd December 2018. There will be online help available, however students can choose to attend face to face classes (see timetable overleaf) for additional support. Your performance in the Mathematics Bridging Course may mean you are properly prepared for entry directly into MATH1131: Mathematics 1A.

To enter into MATH1131 it is assumed that you have knowledge and understanding equivalent to:

- a result of 90 in HSC Mathematics ("2 unit" – not the pre- 2001 HSC Course Mathematics in Society or HSC General Mathematics), or
- a combined mark of over 100\* in HSC Mathematics ("2 unit") and HSC Mathematics Extension 1 ("3 unit"), or
- a satisfactory grade in the UNSW Mathematics Bridging Course

\* a combined mark of over 115 is preferable

If you do not have the above assumed knowledge for entry to MATH1131 you are advised to first complete the course MATH1011 Fundamentals of Mathematics B.

The Mathematics Bridging Course provides approximately 40 hours of online tuition and the fee is \$380.

## Chemistry Bridging Course



The aim of the Chemistry Bridging Course is to provide you with the basic knowledge required for the study of chemistry at university level.

It's especially suitable if you have not studied chemistry before but intend to study courses which require some knowledge of chemistry. Such courses include CHEM1011, CHEM1031, CHEM1811 CHEM1831 and MATS1101.

Through the use of lectures, tutorials and laboratory work, you will become familiarised with the way chemistry is taught at university. Attendance at the 3rd lecture, on the Mole concept, is pivotal to learning chemistry, therefore late registrations will not be accepted if you have not attended this lecture (Mole concept) 9am Wednesday 23rd January 2019.

The Chemistry Bridging Course provides 40 hours of tuition and the fee is \$380.

## Physics Bridging Course



This course covers selected topics in Mechanics, Waves, Electricity and Magnetism up to a level where university physics study can commence. The Physics Bridging Course is not intended as a substitute for two years of senior high school study in the subject.

The core material covered provides an introduction to approximately half of the topics comprising our first year university physics courses. Those entering science and engineering degrees will have compulsory physics courses in their first year; the level of physics required varies with each degree. You may consider taking an introductory physics course in your first term (PHYS1111 Fundamentals of Physics) prior to studying the compulsory physics course in your program, if the latter is at a higher level.

Mathematics knowledge to HSC Mathematics level, or equivalent, is recommended. Whilst no previous study of HSC Physics is required, some exposure to high school science would be advantageous (eg. science to high school year 10).

Lectures, tutorial classes and laboratory work are included in the Bridging Course to familiarise you with the way physics is taught at university.

The Physics Bridging Course provides approximately 40 hours of tuition and the fee is \$380.

## Examinations, Results and Certificates

The three Bridging Courses will include optional final exam (see timetable for details). If you successfully complete any of the 3 courses (including the final exams) you will be issued with a certificate for these courses. Successful completion requires a mark of at least 50/100.

## Registration and Payment

Registration and fee payment is made online. To register go to [science.unsw.edu.au/bridging](http://science.unsw.edu.au/bridging), and complete the online registration form. Information on payment options will be available on our website closer to registration opening.

Registrations will be accepted from Monday 5th November 2018 until 4pm Friday 18th January 2019. Late registrations will be accepted online prior to commencement of the first lecture (subject to availability of places).

## Confirmation of Enrolment and Class Information

Confirmation of enrolment with the location of your first scheduled class will be emailed to you once we have received and processed your registration form. Tutorials and classrooms will be allocated at your first lecture. Be sure to provide an email address you access regularly in order to ensure you receive this information.

Registrations made after 4pm Friday 18 January 2018 may not receive Confirmation of Enrolment before the first class. Late registrants MUST visit the Science Student Centre for lecture location information: Room 128, Robert Webster Building, campus map G14.

**UNSW Science Bridging Courses** offer you the opportunity to revise Chemistry, Mathematics and Physics, and experience how these subjects are taught at university.

Each course consists of approximately 40 hours of tuition including lectures, tutorials, laboratory classes or demonstration sessions and support.

The courses run from 21 January - 8 February 2019\*. Attendance is required at all classes over the three week period.

\*See timetable on reverse for details.



## Who is eligible?

Domestic or international school leavers, older students, deferred students or currently enrolled UNSW students.

You may undertake UNSW's Bridging Courses if you are intending to enrol at another university. However, we advise that you first ensure that the Bridging Course you select is suitable for that institution.

## Withdrawals and Refunds

Requests for transfers from one bridging course to another or withdrawals must be received by the Science Student Centre in writing by email to [bridging@unsw.edu.au](mailto:bridging@unsw.edu.au)

Transfers and withdrawals will incur a \$50 administration fee. The cut-off date for withdrawals for all courses with a refund is 5pm Wednesday 23rd January 2019.

Refunds are made by Electronic Funds Transfer (EFT).

## Accommodation

On-campus residential colleges offer comfortable accommodation at a reasonable price. All colleges are within a short walking distance from lectures and tutorials. It is your responsibility to book your own accommodation.

If you require accommodation on campus during the course, please contact the UNSW Residential Communities on (02) 9385 4346 or visit their website [accommodation.unsw.edu.au](http://accommodation.unsw.edu.au)

## Further Information

### REGISTRATION:

**tel:** (02) 9385 6125  
**email:** [bridging@unsw.edu.au](mailto:bridging@unsw.edu.au)  
**web:** [science.unsw.edu.au/bridging](http://science.unsw.edu.au/bridging)

### FIRST YEAR STUDENT ADVISORS:

If you are unsure whether a Bridging Course is suitable for you, please contact the adviser for first year students in the relevant school:

#### Chemistry

**tel:** (02) 9385 4666

#### Mathematics

**tel:** (02) 9385 7011

#### Physics

**tel:** (02) 9385 4976



LEARN,  
EXPLORE,  
DISCOVER.

## 2019 TIMETABLE

Mon 22 January	9am – 1pm	Mathematics
Mon 22 January	2pm – 5pm	Chemistry
Tue 23 January	9am – 1pm	Mathematics
Tue 23 January	2pm – 5pm	Chemistry
Wed 24 January	9am – 1pm	Physics
Wed 24 January	2pm – 5pm	Mathematics
Thu 25 January	9am – 12pm	Mathematics
Thu 25 January	2pm – 5pm	Physics
Fri 26 January	<b>Australia Day Public Holiday</b>	
Mon 29 January	9am – 12pm	Mathematics
Mon 29 January	2pm – 5pm	Chemistry
Tue 30 January	9am – 12pm	Physics
Tue 30 January	1pm – 5pm	Chemistry
Wed 31 January	9am – 12pm	Mathematics
Thu 1 February	9am – 1pm	Chemistry
Thu 1 February	2pm – 5pm	Chemistry
Fri 2 February	9am – 12pm	Mathematics
Fri 2 February	2pm – 5pm	Physics
Mon 5 February	9am – 1pm	Chemistry
Mon 5 February	2pm – 5pm	Physics
Tue 6 February	9am – 12pm	Chemistry
Tue 6 February	2pm – 5pm	Mathematics
Wed 7 February	9am – 12pm	Physics
Wed 7 February	1pm – 5pm	Mathematics
Thu 8 February	9am – 1pm	Chemistry
Thu 8 February	2pm – 5pm	Physics
Fri 9 February	9am – 12pm	Mathematics
Fri 9 February	2pm – 5pm	Physics
Mon 12 February	9am – 12pm	Chemistry
Mon 12 February	1pm – 5pm	Physics
Tue 13 February	9am – 12pm	Chemistry
Tue 13 February	2pm – 5pm	Physics
Wed 14 February	9am – 1pm	Physics
Wed 14 February	1pm – 5pm	Mathematics
Thu 15 February	9am – 1pm	Physics
Thu 15 February	2pm – 5pm	Mathematics
<b>Fri 16 February</b>	<b>10am – 1pm</b>	<b>Mathematics Examination</b>
Fri 16 February	2pm – 5pm	Chemistry
<b>Mon 19 February</b>	<b>10am – 12pm</b>	<b>Physics Examination</b>
<b>Mon 19 February</b>	<b>2pm – 5pm</b>	<b>Chemistry Examination</b>