University Entry Requirements 2019 for
Year 10 Students

UAC
UNIVERSITIES ADMISSIONS CENTRE

Essentials: University Entry Requirements 2019 for Year 10 Students

Fast facts

- Think about what your interests, qualities and skills are when planning for your future and consider if tertiary study is for you.
- Base your subject selection for years 11 and 12 on your interests, abilities and future plans – students do best in courses they enjoy and apply themselves to.
- Choose subjects that give you broad options, including being eligible for the HSC and the ATAR.
- In addition to the ATAR, be aware that many institutions have admission requirements such as prerequisites, assumed knowledge and recommended studies as well as additional selection criteria.
- Find out about admission requirements for the tertiary courses you're interested in and check that you meet them – this booklet is a good place to start.

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For those travelling by train, UAC is 250 metres from Olympic Park railway station.

www.uac.edu.au

http://twitter.com/UACinfo

8.30am–4.30pm
Monday to Friday (Sydney time)

email online enquiry form,
www.uac.edu.au/general/
contact.shtml

www.youtube.com/user/UACinfo

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Open days 2016

Australasian College of Natural Therapies
www.acnt.edu.au

Pyrmont and Brisbane	30 April, 13 August

Australian Catholic University
www.acu.edu.au

Canberra	27 August
North Sydney	3 September
Strathfield	10 September

Australian College of Applied Psychology
www.acap.edu.au

Sydney	27 April

Australian Maritime College
www.amc.edu.au

Beauty Point and Newnham	7 August

Australian National College of Beauty
www.ancb.edu.au

Pyrmont and Brisbane	30 April, 13 August

Australian National University
www.anu.edu.au

Canberra	27 August

Billy Blue College of Design at Torrens University
www.billyblue.edu.au

Ultimo, Brisbane and Melbourne	30 April, 13 August

CATC Design School
www.catc.edu.au

Ultimo, Brisbane and Melbourne	30 April, 13 August

Charles Sturt University
http://futurestudents.csu.edu.au/unilife/campuses

Powerhouse Museum	27 August

CQUniversity
www.cqu.edu.au

Sydney	19 December

Griffith University
www.griffith.edu.au

Gold Coast	24 July

International College of Management, Sydney
www.icms.edu.au

Manly	14 August

Jansen Newman Institute
www.jni.edu.au

Pyrmont	30 April, 13 August

La Trobe University
www.latrobe.edu.au

Sydney	4 August
Melbourne	7 August
Bendigo	14 August
Albury–Wodonga	15 August
Mildura	17 August

Macleay College
www.macleay.edu.au

Surry Hills	20 August

Macquarie University
www.mq.edu.au

North Ryde	20 August

MIT Sydney
www.mit.edu.au

Open day is every day. For campus tours/ appointments call (02) 8267 1400 or visit the website.

National Art School
www.nas.edu.au

Darlinghurst	3 September

SAE Creative Media Institute
www.sae.edu.au

Sydney and Byron Bay	6 August

SIBT
www.sibt.nsw.edu.au

All campuses	27 August

Southern Cross University
www.scu.edu.au

Coffs Harbour	2 December
Lismore	7 December
Gold Coast	9 December
The Hotel School Sydney hotelschool.scu.edu.au	10 September

Top Education Institute
www.top.edu.au

Sydney	1 September

Torrens University Australia (including APM College)
www.apm.edu.au

The Rocks, Adelaide and Brisbane	30 April, 13 August

University of Canberra
www.canberra.edu.au

Bruce	27 August

University of New England
www.une.edu.au

Armidale	6 May

University of Newcastle
www.newcastle.edu.au

Port Macquarie (evening)	4 August
Central Coast (Ourimbah)	13 August
Newcastle (Callaghan)	20 August

University of Sydney
http://sydney.edu.au

All campuses	27 August

University of Technology Sydney
www.uts.edu.au

City	27 August

University of Wollongong
www.uow.edu.au

Wollongong	13 August

UNSW Australia
www.unsw.edu.au

Kensington	3 September
UNSW Canberra at the Australian Defence Force Academy	27 August

Western Sydney University
www.westernsydney.edu.au

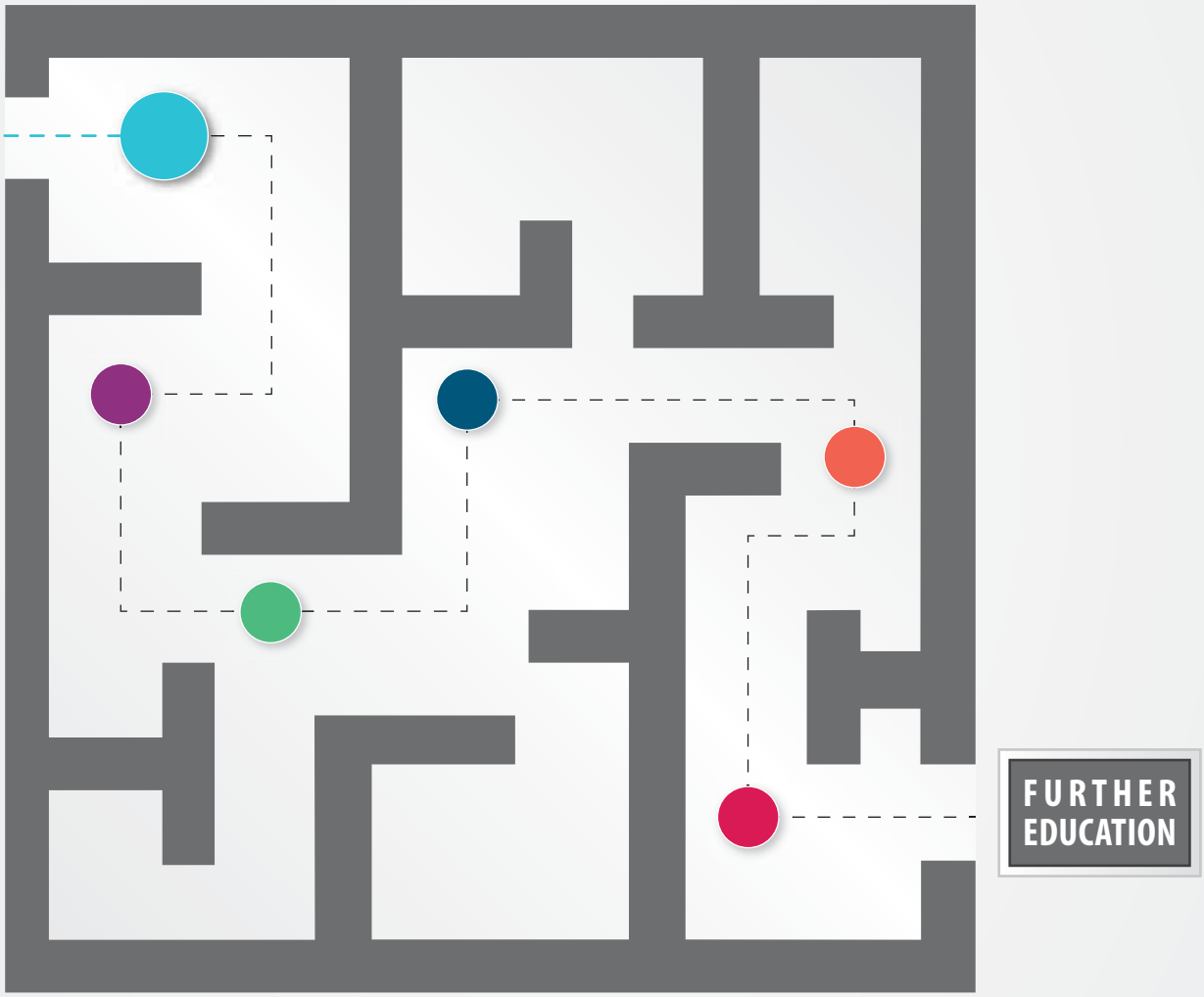
Parramatta	28 August

William Blue College of Hospitality Management
www.williamblue.edu.au

The Rocks and Brisbane	30 April, 13 August

Part 1

Year 10: A year of decisions



This booklet is for Year 10 students choosing their subjects for years 11 and 12. Its aim is to help you think about the next two years and provide information so that you can make the best decisions for successful study in senior school and beyond.

Introduction

In Year 10 you will choose the subjects that you will study for the next two years. Although there are many pathways to uni or college, choosing the right courses at school can make it easier to enter and succeed at tertiary study.

In this booklet, UAC's participating institutions have listed the areas of study that they plan to offer for 2019 admissions. They have also set out course entry requirements and, where applicable, details of:

- course prerequisites
- subject prerequisites
- assumed knowledge
- recommended studies
- additional selection criteria.

While New South Wales institutions don't have a lot of prerequisites, many do specify assumed knowledge and recommended studies. This is important information to consider when choosing subjects to study in years 11 and 12.

Institutions do offer bridging courses if these standards are not met; however, bridging courses are not equivalent to the two-year HSC course and they may add significantly to your workload.

This booklet also provides information about HSC courses, how the ATAR is calculated and used for tertiary entry, and how bonus points work. There are worksheets to help you think about what you like and what you're good at, and to guide you through the steps involved in choosing your subjects for years 11 and 12.

If you're still not sure about the exact career path you want to follow, this booklet can help you choose subjects which will keep your options open and give you the best chance of succeeding in the future.

To view a presentation on how to use this booklet, visit www.uac.edu.au / schoolink / year-10.shtml.

About UAC

The Universities Admissions Centre (UAC) is the central office that receives and processes applications for undergraduate and postgraduate courses at its participating institutions, mainly in NSW and the ACT.

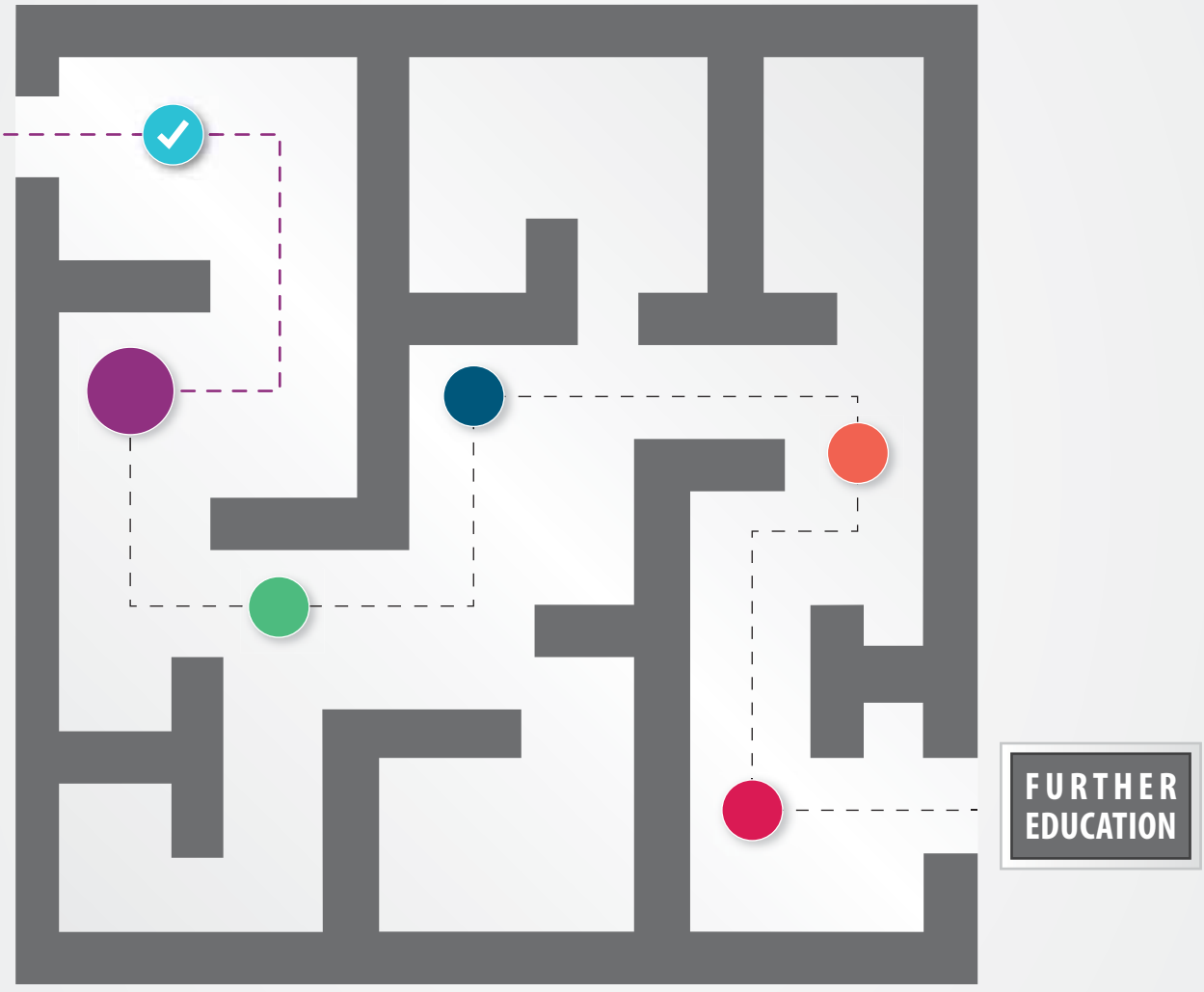
In 2015–16, there were more than 1,900 undergraduate courses listed through UAC by participating and apply direct institutions.

UAC also:

- calculates and provides the Australian Tertiary Admission Rank (ATAR) to NSW HSC students
- processes applications for Schools Recommendation Schemes (SRS)
- processes applications for Educational Access Schemes (EAS)
- processes applications for some Equity Scholarships (ES)
- administers tertiary admissions tests such as the Special Tertiary Admissions Test (STAT).

For further information about UAC, visit www.uac.edu.au.

All about the HSC and the ATAR



Understanding more about the HSC, the ATAR and applying to uni will help you make the best decisions about your subjects, so here's what it's all about.

The NSW HSC

Studying for the NSW HSC begins in Year 11 with preliminary courses and ends with the HSC exams at the end of Year 12. Your Year 12 assessment marks and your HSC exam marks will contribute equally to your HSC marks.

To be eligible for the HSC you need to meet the following requirements:

- complete at least 12 units of preliminary courses in Year 11
- complete at least 10 units of courses in Year 12, including a 2-unit English course.

Most courses are two units and to qualify for an HSC at least six units must be in courses examined by the Board of Studies, Teaching and Educational Standards (BOSTES).

Being eligible for an HSC doesn't necessarily mean you will be eligible for an ATAR – read the next section for ATAR eligibility requirements.

Courses

ATAR courses

There are many HSC courses but not all of them will contribute to an ATAR. ATAR courses are developed by BOSTES, which conducts formal examinations that yield graded assessments. These Board Developed courses are the only courses that can be included in ATAR calculations.

Board Developed courses are classified as either Category A or Category B courses.

Category A courses have the academic rigour and depth of knowledge to provide background for tertiary studies.

Category B courses on their own don't provide an adequate background for tertiary studies, but can contribute to the ATAR if the other courses included in the ATAR are the more academically demanding Category A courses.

For this reason, only two units of Category B courses can be included in the ATAR calculation.

HSC Board Developed courses that will be examined in 2018 are listed in the table on pages 30–31.

Other courses

There are other courses you can study as part of the HSC. Vocational courses are industry-based, hands-on courses and usually include work skills and work placements. These courses may be delivered at your school, at another school or at TAFE.

TAFE-delivered HSC VET (TVET) courses, also known as Industry Framework courses, are developed or endorsed by BOSTES and include Category B courses.

HSC Board Endorsed courses can be either Content Endorsed Courses (with syllabuses endorsed by BOSTES) or School Developed Courses (approved by BOSTES). All Board Endorsed courses count towards your HSC but they do not contribute to the ATAR.

Distance education

If you live in an area that is isolated, have special circumstances that prevent you from attending school on a regular basis or meet other criteria, you can study through distance education.

There are more than 100 HSC courses and UAC's participating institutions are aware that not every school offers all courses. If your school does not offer a course recommended as preparation for tertiary study, or if you can't study the recommended course, ask the institution about supplementary studies you may need to undertake.

The ATAR

The first thing to understand is that the ATAR is a rank, not a mark. It's a number between 0.00 and 99.95 with increments of 0.05. The ATAR provides a measure of your overall academic achievement in relation to that of other students and helps universities rank applicants for selection into their courses. However, most unis also use other criteria when selecting students for courses.

The ATAR indicates your position relative to all the students who started high school with you in Year 7. So, an ATAR of 80.00 means that you are 20 per cent from the top of your age group, even though not everyone who started with you in Year 7 went on to achieve an ATAR.

The average ATAR is usually around 70.00. Some people are surprised by this, thinking that the average should be 50.00. It would be 50.00 if everyone from Year 7 went on to achieve an ATAR. But because the students who leave school early are typically less academically able than the ones that stay on, the students receiving ATARs are a smaller, more academically able group, and the average ATAR they receive is higher.

UAC notifies NSW HSC students of their ATAR. Year 12 students can access their ATAR on UAC's website or the My UAC app in December. They will also receive an ATAR Advice Notice in the post.

To be eligible for an ATAR, NSW students must satisfactorily complete (read page 7) at least 10 units of ATAR courses.

These ATAR courses must include:

- eight units of Category A courses
- two units of English
- three Board Developed courses of two units or greater
- four subjects.

Remember that when you choose your program of study for the HSC, you must make sure you will be eligible for an ATAR if you wish to study at university.

Satisfactorily completing a course

You will be considered to have satisfactorily completed a course if, in the principal's view, there is sufficient evidence that you have:

- followed the course developed or endorsed by BOSTES
- applied yourself with diligence and sustained effort to the set tasks and experiences provided in the course by the school
- achieved some or all of the course outcomes
- made a genuine attempt at assessment tasks that total more than 50 per cent of the available school assessment marks for that course.

You will also need to make a serious attempt at the examination for the course.

Failure to satisfactorily complete a course will result in that course not contributing to the eligibility requirements. If the course is a 2-unit course for which there is an associated extension course, failure to satisfactorily complete the 2-unit course will result in neither the 2-unit nor the extension course contributing towards your ATAR.

How the ATAR is calculated

The ATAR is based on an aggregate of scaled marks in 10 units of ATAR courses comprising your:

- best two units of English
- best eight of the remaining units, which can include up to two units of Category B courses.

Limited ATAR

Depending on their age and program of study, some HSC students may be eligible for a Limited ATAR.

To download UAC publications about the ATAR, visit www.uac.edu.au/publications.

ATAR myths

It's a myth that choosing certain courses will automatically increase your ATAR. There is no magic formula for getting a good ATAR; it all depends on how well you've done in all your courses in comparison to other students.

Marks are scaled according to a course's scaled mean. The scaled mean indicates the academic ability of the course candidature, which can change from year to year.

You shouldn't choose courses based on what you believe are the likely effects of scaling on your ATAR. Your subject choices should be based on your interests, demonstrated abilities and future career plans.

Studying subjects that you are not good at or happy with may mean you won't do your best or achieve good marks.

The only way to maximise your ATAR is to:

- study hard
- do your best
- have a good balance between study and other activities.

As long as you have chosen the subjects you are good at and do well in, you will have the best chance of maximising your ATAR.

For more information about the ATAR, visit www.uac.edu.au/atar.

The ATAR in the ACT

The ATAR calculated in the ACT is directly comparable to the ATAR calculated in NSW and other states.

The ACT operates a system of school-based curriculum and assessment through the ACT Board of Senior Secondary Studies (BSSS). Each college determines the courses (and units) that they offer to students. There are no compulsory courses or units.

Assessment is continuous school-based assessment and courses are taught and assessed unit by unit. There are no examinations set by a central authority for any subject.

If you're an ACT Year 12 student and want to apply for tertiary study, you must sit the ACT Scaling Test (AST). The AST is used by the BSSS to calculate your ATAR.

The calculation of the ATAR in the ACT is based on your best three scaled course scores from major courses plus 0.6 of the next best scaled course score. The scaled course scores are then added to form an aggregate score. Students are then ranked based on their aggregate score, which is converted to an ATAR.

As your ATAR is calculated from your performance in the AST, if you drop a course it may not affect your ATAR directly. However, you need to take into account prerequisites for tertiary courses outlined in this booklet.

If you are a college or school student in the ACT and you are thinking about studying at a UAC participating institution, you may need to check how your ACT Year 12 Certificate courses compare to NSW HSC subjects.

The following table shows indicative subject comparisons for key subjects for admissions. For a full listing of the most recent subject-comparison information, visit www.uac.edu.au/undergraduate/admission/interstate.shtml.

ACT subjects comparable to NSW HSC subjects

ACT subject	NSW HSC subject
Biology (Major)	Biology
Chemistry (Major)	Chemistry
English (Major)	English (Advanced)
English (Major/Minor)	HSC English Extension 1
Geography (Major)	Geography
Mathematical Methods (Major), Specialist Mathematics (Major)	Mathematics
Specialist Mathematics (Major/Minor)	HSC Mathematics Extension 1
Specialist Mathematics (Double Major)	HSC Mathematics Extension 2
Music (Major)	Music 2
Physics (Major)	Physics
Art (Major)	Visual Arts

For more information about the ATAR for ACT students, visit www.bsss.act.edu.au or call the ACT Board of Senior Secondary Studies on (02) 6205 7181.

Applying to uni

Every year more than 50,000 Year 12 students apply through UAC for admission to courses offered by UAC's participating institutions. For the majority of courses there are more applicants than places, so applicants are ranked for selection. For most courses, applicants who are current Year 12 school leavers are ranked using their ATAR.

However, if you're eligible for any bonus points or apply for Educational Access Schemes (read page 9), your selection rank may be higher than your ATAR for certain institutions or courses.

Admission requirements

In addition to the ATAR, many institutions may specify other admission requirements such as:

- prerequisites
  - course prerequisites
  - subject prerequisites
- additional selection criteria.

A small number of courses specify prerequisites. For example, an advanced computing degree might specify Mathematics as a course prerequisite. If you haven't studied Mathematics, you haven't met this prerequisite and you won't be considered for the course, regardless of your ATAR. Another course might specify Mathematics as a subject prerequisite. If you haven't studied Mathematics, you can still be considered for the course but you won't be able to study certain subjects within that course.

Many courses have additional selection criteria. For example, visual arts courses will ask you to supply a portfolio and this will contribute to your selection for the course. Music-based courses may require an audition and others may require you to attend an interview, write a personal statement or sit a test.

Institutions can also indicate the HSC courses that they either assume you have studied before you start a particular tertiary course, or suggest you study to prepare you for your chosen tertiary course. These are listed as:

- assumed knowledge
- recommended studies.

These are not admission requirements. If you don't have the assumed level of knowledge or haven't completed the recommended studies you can still be selected for the course but you may have difficulty coping with your studies or just not be as prepared as other students.

When you're choosing your year 11 and 12 subjects, use this booklet to find out if there are any admission requirements assumed knowledge or recommended studies for the course you're interested in. Then, when you apply for tertiary study at the end of Year 12, you'll be able to

International Baccalaureate

The International Baccalaureate (IB) Diploma and Bilingual Diploma are recognised as equivalent to an Australian Year 12 for admission to tertiary institutions in Australia if you attempted it in Australia.

IB students apply for uni through UAC in the same way as Year 12 students. However, IB students don't receive an ATAR; instead, they receive a UAC rank based on their total score.

A national conversion table showing the conversion of the IB aggregate score to the UAC rank can be found at www.uac.edu.au/undergraduate/admission/ib.shtml. This web page also has a table that compares IB results with NSW HSC results.

You may need to know how your IB subjects compare to NSW HSC subjects to check that you meet any course prerequisites, recommended studies and assumed knowledge, and also if you'll be eligible for bonus points for specific courses.

To check which NSW HSC subjects are considered comparable to your IB subjects, see the table at www.uac.edu.au/undergraduate/admission/ib.shtml.

meet any entry requirements to the course and have the foundations for successful tertiary study. There is more information about admission requirements on page 35.

Requirements for teaching

For registration as a teacher in NSW schools, graduates will need to meet requirements set out by the Board of Studies, Teaching and Educational Standards (BOSTES). There is an expectation that students entering teaching programs will have achieved a minimum of three Band 5s, one of which must be English, in their HSC. Other approved pathways for students who do not meet this requirement are available. In addition, teaching students will need to pass national literacy and numeracy tests before graduation. For further information about the tests and specific entry requirements, check with individual institutions.

Selection rank

An offer to study at university is based on your selection rank, which is made up of your ATAR plus any bonus points you may be eligible for, plus consideration of any additional selection criteria.

Cut-offs

When you are searching for courses, pay attention to the course cut-off. The cut-off for a course is the minimum selection rank needed by Year 12 applicants for entry to that course.

The cut-off includes bonus points so it is not necessarily the ATAR required for entry to the course. The cut-off is not a reflection of the difficulty of a course so a low cut-off does not mean that the course is of low quality.

The course information in the UAC Guide, in the course search on UAC's website and in the My UAC app shows the course cut-off when offers were made in the Main Round of the previous year. Cut-offs are determined by the institution and different courses in the same faculty at an institution may have different cut-offs. Similarly, the same course at different institutions may have different cut-offs.

There is more information about the selection process in the UAC Guide or on UAC's website at www.uac.edu.au / undergraduate / admission / selection.shtml.

Bonus points

Many applicants receive an offer to a course even though they have an ATAR below the published cut-off. Often this is because they've been awarded bonus points for that course. Bonus points do not change a student's ATAR, but they do increase a student's selection rank.

There are various types of bonus points for Year 12 students seeking entry to tertiary study, including:

- regional bonus points
- subject bonus points.

Each institution sets its own criteria for allocating these and some institutions require you to achieve a minimum ATAR before you are eligible to receive any bonus points.

Some institutions apply regional bonus points to students who live in a designated region, others apply regional bonus points to students who attend school in a designated region, and some institutions do both.

Subject bonus points recognise performance in Year 12 subjects relevant to specific courses. They can differ from institution to institution and from course to course within the same institution.

If you're eligible for bonus points, they will be automatically added to your application. If you have any questions about bonus points, contact the institution.

It's good to understand how bonus points work, but don't be swayed into choosing certain subjects to receive bonus points. By the time you apply for tertiary study, schemes may have changed and it's more important to focus on doing well.

For more information about bonus points, read the UAC Guide or visit UAC's website at www.uac.edu.au / atar / bonus-points.shtml.

Educational Access Schemes

Bonus points can also be awarded as a result of an application through Educational Access Schemes (EAS). Most institutions that participate through UAC have an EAS scheme for applicants who've experienced long-term educational disadvantage due to circumstances beyond their control or choosing, which has seriously affected their educational performance. A long-term educational disadvantage usually means a disadvantage that has lasted for at least six months.

For more information about EAS, read the UAC Guide or visit UAC's website at www.uac.edu.au / eas.

Need to know more?

Careers advisers, teachers and parents

Universities Admissions Centre (NSW & ACT), www.uac.edu.au

- UAC Guide – published in July each year, the Guide is provided free through schools to NSW HSC and ACT Year 12 students. It is also available to buy from newsagents.
- Report on the Scaling of the NSW Higher School Certificate – published in May each year. Copies are provided free to schools. Printed copies are available to buy from UAC (online or in person). It can also be downloaded from UAC's website.
- Calculating the Australian Tertiary Admission Rank in New South Wales: A Technical Report – printed copies are available to buy from UAC (online or in person). It can also be downloaded from UAC's website.

- All About Your ATAR – published in December each year and distributed to Year 12 students before they receive their ATAR. Printed copies of this leaflet are available from UAC. It can also be downloaded from UAC's website.
- All About UAC for Student Advisers, Frequently Asked Questions About the ATAR and All About UAC for Parents – these booklets answer a range of questions about the ATAR and the admissions process, including selecting HSC subjects in years 10 and 11. Copies can be downloaded from UAC's website.

NSW Board of Studies, Teaching and Educational Standards (BOSTES), www.bostes.nsw.edu.au

- HSC Rules and Procedures Guide – published in October each year.
- Assessment, Certification and Examination (ACE) information – contains details of BOSTES rules and procedures for the HSC.

ACT Board of Senior Secondary Studies (BSSS), www.bsss.act.edu.au

- What's the AST? – information about the ACT Scaling Test for ACT students wishing to gain an ATAR.
- What's the ATAR? – an explanation of the ATAR and the processes used in its calculation.

Year 10 students

- A Walk Through the Year 10 Booklet – a presentation available at Schoolink on UAC's website.
- Choosing HSC Courses – Facts and Myths – a presentation available at Schoolink on UAC's website.

You can find more publications from UAC at www.uac.edu.au/publications.

FAQ about the ATAR

How many courses should I take in years 11 and 12?

The number of courses you study depends on how many courses you can realistically manage and succeed in. Generally, courses are two units and to be eligible for the HSC you must successfully complete at least 12 units of study in Year 11 and at least 10 units in Year 12.

You must also study at least four subjects. Mathematics is a subject; within that subject there are a number of courses – Mathematics General 2, Mathematics, HSC Mathematics Extension 1 and HSC Mathematics Extension 2.

Are there any courses that I can choose to maximise my ATAR?

No. You can achieve a high ATAR regardless of the courses you study. Students who achieve high ATARs are generally placed near the top in all of their courses.

What should I remember if I have to change schools?

Not all schools offer the same HSC subjects, so check that you'll be able to continue with the subjects you have already been studying.

If I decide to drop a course at the end of Year 11, what should I consider?

The most important thing for Year 11 students to consider is whether they will still be eligible for an ATAR if they drop any courses. Remember, to be eligible for an ATAR, students must satisfactorily complete at least 10 units of ATAR courses, including:

- eight units from Category A courses
- two units of English
- three Board Developed courses of two units or greater
- four subjects.

How do I know if the course I'm dropping is a prerequisite for a course or subject I'd like to study at uni?

There are a few places you can check course and subject prerequisites:

- the institution entries in Part 2 of this booklet
- the undergraduate course search on UAC's website and My UAC app
- the UAC Guide
- institution websites.

Can I accelerate my HSC studies?

Yes, you can take a Year 12 course while in Year 11. The advantages of this can be:

- studying fewer courses in Year 12, meaning you can focus more on those units
- studying a broader range of subjects
- having extra units from which to draw your best 10 scaled marks for inclusion in your ATAR calculation.

If I complete an accelerated course in Year 11, who am I ranked with?

Courses are scaled in the year they are completed and the scaled mark is available for inclusion in the ATAR calculation when the student becomes ATAR eligible. The student is ranked with others in the same ATAR cohort.

How many units of maths can be included in the calculation of the ATAR?

Up to four units of maths can be included in the ATAR calculation. Students studying Mathematics Extension 1 should be aware that it has a different weighting (in terms of units) depending on whether Mathematics or Mathematics Extension 2 is taken as well.

If students study Mathematics (2 units), then Mathematics Extension 1 accounts for 1 unit.

If students study Mathematics Extension 2 (2 units), then Mathematics Extension 1 accounts for 2 units. This is calculated by doubling the mark received for the 1-unit course.

If a student completes Mathematics and then goes on to satisfactorily complete Mathematics Extension 1 and Mathematics Extension 2, their results in Mathematics will not be included in the ATAR calculation, even if they have excelled in it.

Can a Category B course completed in Year 11 be included in my ATAR calculation?

Yes. Any course completed in Year 11 will be available for inclusion in the ATAR calculation. Whether it is actually included will depend on whether it is among your best eight scaled units (after English).

Remember also that for a Category B course to be included in the ATAR calculation, the examination must be completed. Therefore, schools must ensure that students studying Category B courses are enrolled with BOSTES for the course and the exam.

Why do some courses scale better than others?

Courses have to be scaled so that marks in different courses can be compared with each other. Courses are scaled using the mean scores and distribution of marks, which indicate the ability of the course candidature. Courses such as Mathematics Extension 2 and Physics traditionally scale well because of this. However, students must achieve high HSC marks (and high positions) to gain any benefit from scaling.

Can I be disadvantaged by the school I attend?

No. The school you attend does not feature in the ATAR calculation. The ATAR calculation is based only on marks provided by BOSTES – no other information is used.

Can I be disadvantaged by where I live?

No. Where you live is not used in the ATAR calculation.

Can I get a better ATAR by studying more units?

No. You cannot assume that simply by studying more units your ATAR will be increased. While students who study more units tend to gain higher ATARs, there are a number of reasons why, such as each student's interest, motivation, effort and time management.

Can I get a high ATAR studying courses such as Visual Arts, Business Studies and Hospitality?

Yes. It is possible to achieve a high ATAR regardless of courses studied. However, it is important to note that students who achieve very high ATARs are usually placed in the top group of students in all of their courses.

Can certain courses increase my ATAR?

No. Your ATAR indicates your overall position; that is, how well you have performed compared to other students. You can only maximise your ATAR by choosing courses you enjoy and do well in. It is a myth that choosing certain courses increases the ATAR.

How do I find out my ATAR?

ATARs are released on UAC's website and My UAC app. Students log in to receive their ATAR. Written ATAR Advice Notices are also sent in the post.

When is the ATAR released?

ATARs are released in December each year on UAC's website and My UAC app.

How do ACT students find out about the ATAR?

Information about the calculation of the ACT ATAR is available from the ACT Board of Senior Secondary Studies. Visit www.bsss.act.edu.au or call (02) 6205 7181.

Do ATARs include bonus points?

No. If institutions allocate bonus points they are not added to the ATAR. Bonus points are not ATAR points, they are just that – bonus points. Bonus points don't change a student's ATAR; they change the student's selection rank for a particular course or institution.

What is a cut-off?

The minimum selection rank needed for entry to a course is called the cut-off. Cut-offs are determined by the institution. The cut-offs for courses in a particular year are only known after Main Round offers are made. Therefore UAC publishes the previous year's Main Round cut-offs. The cut-off is not necessarily the ATAR required for entry to the course and is not a reflection of the difficulty of the course.

Does UAC have an ATAR calculator?

No. UAC only advises students of their official ATARs on ATAR release day in December each year. UAC does not endorse the use of ATAR calculators. ATAR calculators do not use current data so can only be a general indication of a student's possible ATAR.

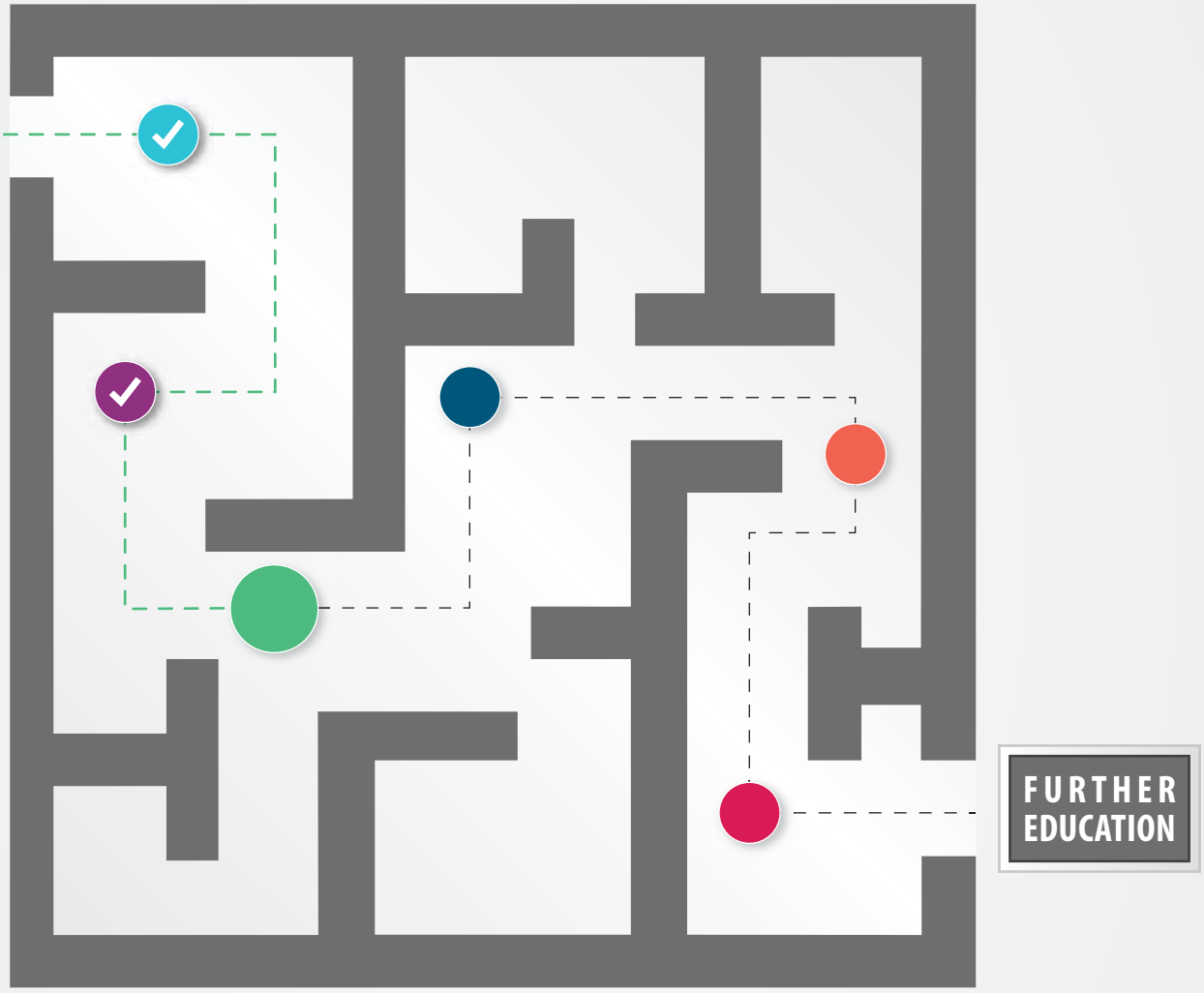
What happens if a course is repeated?

Courses can be repeated over a period of up to five years. A student is considered to be repeating an HSC course if they:

- repeat the same course
- study a different course in the same subject area, apart from an extension course.

If a student repeats a course, only the marks for the latest satisfactory attempt will be available for inclusion in the calculation of their ATAR, even if they are lower than the earlier attempt.

Step 1: Consider



Year 10 is a good time to start thinking about your future – not just what you'd like to do for the next two years, but what you'd like to do beyond that. Are you thinking of further study? Will you leave school and get a job or do an apprenticeship? The following pages will help you consider your options.

Being unsure of what you want to do next is quite common.

You may already know that you would like to go on to further study but not be sure of the type of course you'd enjoy.

If you're looking at a specific career path you may already know what tertiary course you need to do. It's important that you understand all the requirements for this course when you choose your year 11 and 12 subjects.

Maybe the thought of more years of study after school isn't right for you just now. Perhaps you want to get straight into the workforce, or take up a traineeship or apprenticeship.

If you enter the workforce, consider how workplaces change over time and the importance of continuing to learn as your career develops. If you decide to come back to study in the future, there are other pathways to entry. Choosing courses at school that give you the broadest range of future options will make this easier for you later.

Think about your future, consider your abilities, investigate your options and make a plan.

You might want to start with the following questions.

Who inspires you?

When thinking about your future, a good place to start is by looking around at who and what inspires you. If something inspires you it will motivate you to do your best.

This could be a person:

- your mum or dad
- other family members
- teachers
- neighbours or friends and their families
- someone prominent in public life like a community or church leader, politician or sportsperson.

Or it could be something you've seen or heard:

- a television show, movie or documentary
- a book.

Think about why these people or things inspire you. Is it what they do, the way they relate to others, their community spirit, the story they tell or the message they give?

The things that inspire you can shape your future goals and dreams.

What do you like to do?

Think about the type of person you are and your interests.

Do you like:

- doing things outside or inside?
- helping others?
- working with technology?
- organising things?
- talking to other people?
- finding out how things work?
- being original and creative?
- working on your own?
- working with others?

When planning your future career, consider your natural inclinations and abilities. For example, you may not be happy and successful as a park ranger if you don't enjoy the outdoors.

Fred and Laura

Fred and Laura are in Year 10. At the moment the end of school seems a long way away, but they have started to consider their futures. They're not sure what they want to do after school but their parents and teachers are encouraging them to consider going on to further study after Year 12.

Fred goes to school in the city and enjoys hanging out with his friends and playing football. He's inspired by sports players and is the captain of his local football team.

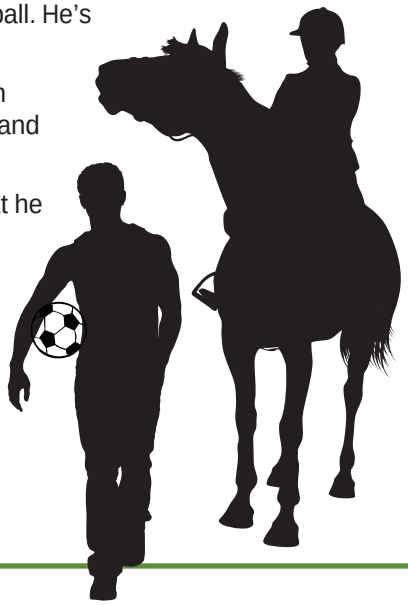
Laura goes to school in the country and grew up on her family's farm. She loves it when her friends come to stay and they go horseriding, and she enjoys working with her dad and brother on local Landcare projects.

Fred also enjoys playing on his computer; he particularly likes a stock market game that he plays with his friends. Fred's dad is in business for himself and he's been helping Fred beat his mates. Fred also likes photography and a couple of his football photos have been in the local paper.

So far in high school Fred has done well in geography, history and economics and he really likes these subjects, which makes it easy for him to stay focused.

Laura's best marks are in science subjects and her teachers have encouraged her to continue with them in years 11 and 12. She also really enjoys history and art classes.

Throughout this booklet we'll use Fred and Laura's story to show how you can navigate your way to tertiary study.



What are you good at?

Think about your academic skills and interests. What subjects are you good at? What do you enjoy studying? Often these are the same because you do well at subjects you enjoy and are interested in.

Investigate the types of jobs that use these subjects as key parts of what they do. For example, being good at geography could lead you to a job as a town planner, tour guide, cartographer or civil engineer. Being good at languages could lead you to a job as a customs officer, foreign affairs and trade officer, language teacher or translator, or you could work in the importing and exporting business.

Also consider what you're good at outside school. What extracurricular activities do you do? If you're good with pets, find out about jobs involving animals.

The table on pages 19–24 will help link your interests to possible careers and subject choices.

Who can you talk to?

Talk to those around you about your options for the future. They may have some good suggestions and new ideas:

- Talk with your parents and family about their career choices.
- Talk to your teachers – they know your abilities and can give you suggestions about careers that may suit you.
- Talk to friends about what they're interested in, and what they've found out that they can share with you.
- Organise your own work experience – volunteer to work somewhere for a week to see if you enjoy it.
- Get a part-time job – it will give you a taste of what it's like to be in the workforce.
- Visit careers expos and uni open days (refer to the list of open days on page 2 of this booklet).
- Read the UAC Guide or visit the undergraduate course search on UAC's website or in the My UAC app where you only need a keyword, like 'music' or 'chemistry', to search more than 1,900 tertiary courses.

  Copies of the UAC Guide are available from your careers adviser, school library, local newsagent or UAC (Year 12 students receive a copy through their school in July).
- Contact the institutions you're interested in and talk to them about your options. You can start by looking at their websites.

  Many tertiary institutions have school visit days so you can attend the campus, talk to lecturers and students and get a feel for what a tertiary institution is like. Ask your teacher about this or check the dates on page 2 and organise to attend an open day with your parents or friends.

For information about courses available, search the UAC undergraduate course search at www.uac.edu.au / undergraduate / course-search or download the My UAC app.

Brainstorming

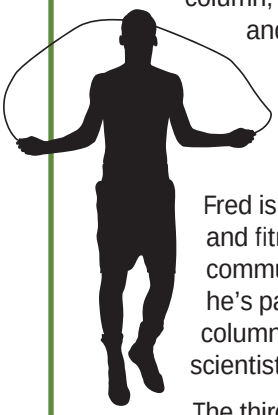
Now that you've considered the questions in this section, use the worksheets that follow to organise your ideas and discover what areas of study would suit you best. This will help you work out the subjects that will help you achieve your goals. Fred and Laura did this exercise and the results are shown below.

Fred and Laura

Fred and Laura's teachers have told them it's time to choose their subjects for years 11 and 12, so they're exploring their options by doing some research.

Fred is keen to take his interest in sport further. His father has suggested he also look at business-related careers and his school careers adviser has suggested social sciences because his best marks are in these areas.

The table 'What are my options?' on pages 19–24 shows some options for Fred. Looking down the left column, which lists various interests, qualities and skills, there are several areas that could suit him. Fred is drawn to the following areas:



Human Movement, Sport Sciences and Physical Education

Fred is interested in – and good at – sport and fitness. If his skills include being a good communicator, leader and motivator, and he's patient and enthusiastic, the second column shows that he could be a sport scientist, sports coach or trainer.

The third column shows that for these careers he could study sports coaching, sports management, anatomy and physiology or psychology. The table shows which institutions offer these courses.

The most relevant subjects for him to study for the HSC are shown in the fourth column. They include Biology, Chemistry, Mathematics, Personal Development, Health and Physical Education (PDHPE), Physics or Modern History.

Business, Commerce, Economics, Marketing and Management

Fred is interested in the stock market and business. His skills include being organised and independent, and he's good at leading, solving problems and critical thinking. Therefore, he could be a stockbroker, business analyst, accountant, banker or economist.

For these careers he could study banking, e-commerce or financial advising.

He would need to include Business Studies, Economics, English, Mathematics, Society and Culture, Business Services (B), Human Services (B) or Retail Services (B) in his HSC courses, but to be eligible for an ATAR he could only include 2 units of Category B courses.

Laura's school took her class to an open day at the local university and she has spoken to her family about her ideas. Her teachers think she should develop her strengths in science-related subjects but she's also keen on looking at careers in art-related areas.

The table 'What are my options?' on pages 19–24 shows some options for Laura in the following areas:

Earth and Environmental Sciences

Laura is interested in being outdoors, the environment, nature and animals. Her skills include being observant and resourceful, and she's good at design, science, working outdoors, critical thinking and solving problems. The second column shows that these interests and skills are useful to an environmental scientist, a conservationist, a forestry worker, an environmental officer, and an environmental or urban planner.

The third column shows that for these careers she could study climate change, conservation studies, environmental management or sustainability. The table shows which institutions offer these courses.

The fourth column shows subjects she could study would be Biology, Chemistry, Design and Technology, Earth and Environmental Science, Mathematics, Physics or Society and Culture.

Creative and Performing Arts

Laura's skills include being creative, imaginative, organised and an independent worker, and she's good at drawing, art, making things, writing and solving problems. She could be an artist, animator or photographer, or she could use these professions as a stepping stone to becoming an art teacher.

For these careers, she could study animation, fine arts, graphic design, illustration, photography, and visual arts.

Subjects she could study would be English, Dance, Design and Technology, Drama, Music, Software Design and Development, Textiles and Design, Visual Arts and Entertainment Industry (B).

From their research it's clear that there are many exciting options for Fred and Laura's futures.

Worksheet1

The first step is to think about who you are: your interests, qualities and skills. Write these in the boxes below.

Then turn the page to the table 'What are my options?' and match your interests, qualities and skills with those in the left-hand column of the table. These are divided into subject areas and you may find you match one particular area of study, or several.

Who am I?

What am I interested in?

My personal qualities are...

My skills are...

eg writing, listening, drawing, solving problems

Who inspires me? Why?

Who can I talk to?

Three people I could talk to about my choices

Worksheet 2

The next step is to write below the areas of study you matched in Worksheet 1 using the 'What are my options?' table on pages 19–24. Then work your way across the sheet, filling in each column from the information in the table.

In the final column you will end up with a list of subjects that best match your abilities and future plans.

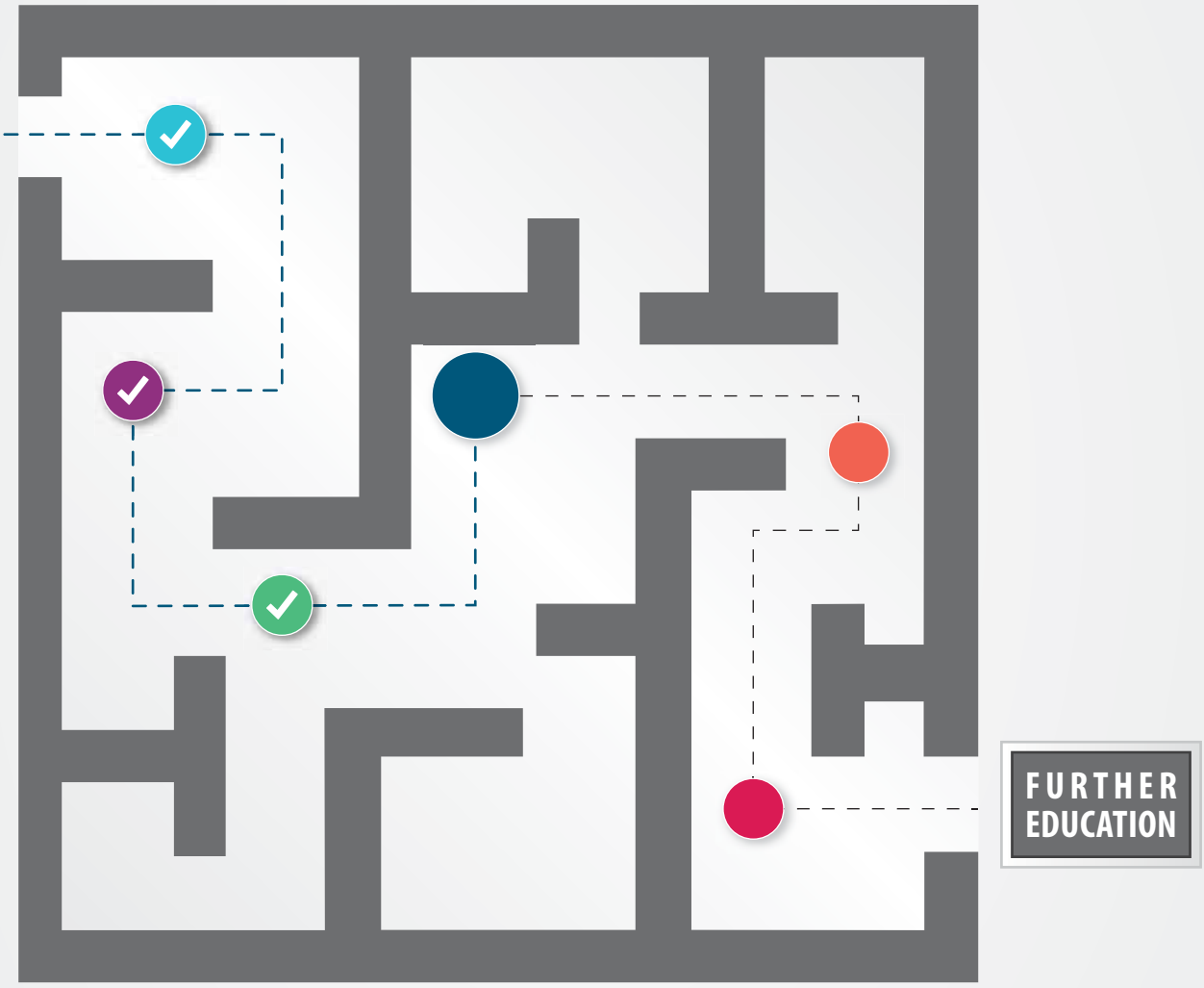
Interests

Qualities

Skills

Areas of study that match my interests, qualities and skills	What careers use those skills?	What courses could I study?	What subjects could I choose for years 11 and 12?

Step 2: Explore



Now that you are thinking about your interests, qualities and skills, it's time to explore the careers these could lead to, the courses you could study and the subjects you could choose to begin your journey.

What are my options?

Using the worksheets on pages 16–17, this table will help you map your interests, qualities and skills to careers, areas of tertiary study and HSC subjects.

These lists are not meant to be exhaustive; they are only a summary of what's available. A full list of tertiary courses available each year is published in the UAC Guide, on UAC's website and in the My UAC app.

My interests, qualities and skills	Careers that use my interests, qualities and skills	Courses I could study	Subjects I could choose for years 11 and 12
Agriculture, Rural Studies, Animal Science			
I'm interested in ... the land, the environment, crop growing, farming, plants, animals, animal welfare *I'm ...* observant, confident with animals, organised, good with detail, patient *... and I'm good at ...* making things, planning, maths, technical drawing, manual work, working with animals	*I could be an ...* animal handler, conservation manager, farmer, grazier, horticulturist, land manager, produce manager, stud manager/ trainer, winemaker, wool classer	*I could study ...* agribusiness, agricultural science, animal production science, crop production, equine science and horse management, horticulture, farm and land management, plant pathology, post-harvest technology, viticulture and wine science, wool science, zoology	*... and I could choose these subjects for years 11 and 12 ...* Agriculture, Biology, Chemistry, Earth and Environmental Science, English, Geography, Mathematics, Physics, Primary Industries (B)
	Where can I study? AMC, CQU, CSU, LTU, UNE, USYD, UTS, WS		
Architecture, Building, Design and Planning			
I'm interested in ... how things work, cityscapes, buildings, building design, architecture, gardens, landscapes *I'm ...* artistic, imaginative, organised, good with detail, creative, orderly, conscientious *... and I'm good at ...* making things, coming up with original ideas, drawing, designing, solving problems	*I could be an ...* architect, building manager, construction manager, environmental planner, estimator, industrial designer, interior designer, landscaper, property valuer, surveyor	*I could study ...* construction economics, construction/project management, construction technology, fashion design, industrial design, interior design, landscape architecture, property management, quantity surveying	*... and I could choose these subjects for years 11 and 12 ...* Design and Technology, Engineering Studies, Industrial Technology, Mathematics, Physics, Visual Arts, Construction (B)
	Where can I study? ANU, BBC, CATC, CQU, GU, ICMS, MQ, SCU, TUA, UC, UON, UNE, UNSW, USYD, UTS, WS		

KEY TO ABBREVIATED INSTITUTION NAMES			
ACAP	Australian College of Applied Psychology	NAS	National Art School
ACNT	Australasian College of Natural Therapies	SAE	SAE Creative Media Institute
ACU	Australian Catholic University	SCU	Southern Cross University
AMC	Australian Maritime College	SIBT	Sydney Institute of Business and Technology
ANCB	Australian National College of Beauty	TOP	Top Education Institute
ANU	Australian National University	TUA	Torrens University Australia (including APM College)
BBC	Billy Blue College of Design at Torrens University	UC	University of Canberra
CATC	CATC Design School	UNE	University of New England
CQU	CQUniversity	UNSW	UNSW Australia
CSU	Charles Sturt University	UNSW-ADFA	UNSW Canberra at the Australian Defence Force Academy
GU	Griffith University	UON	University of Newcastle
ICMS	International College of Management, Sydney	UOW	University of Wollongong
JNI	Jansen Newman Institute	USYD	University of Sydney
LTU	La Trobe University	UTS	University of Technology Sydney
MC	Macleay College	WBC	William Blue College of Hospitality Management
MIT	MIT Sydney	WS	Western Sydney University
MQ	Macquarie University		

My interests, qualities and skills	Careers that use my interests, qualities and skills	Courses I could study	Subjects I could choose for years 11 and 12
Arts and Humanities			
I'm interested in ... current affairs, social issues, politics, world events, languages, writing and literature, religions and cultures, history *I'm ...* artistic, creative, adventurous, conscientious, efficient, industrious, resourceful, imaginative *... and I'm good at ...* creative writing, debating, languages, solving problems, thinking critically, using technology	*I could be an ...* anthropologist, archaeologist, archivist, gallery curator, historian, foreign affairs officer, government policy officer, journalist, producer, language specialist, media officer, researcher, social researcher, marketing manager, analyst, translator or interpreter	*I could study ...* Aboriginal studies, archaeology, Asian studies, cinema studies, English, modern/ancient history, international studies, languages, literature, philosophy, political science, psychology, religious studies, sociology, theology, women's studies, media, communications, publishing	*... and I could choose these subjects for years 11 and 12 ...* Aboriginal Studies, English (Advanced), Geography, History, International Studies, languages, Religion, Social Sciences, Society and Culture, Textiles and Design, Visual Arts
	Where can I study? ACAP, ACU, ANU, CQU, CSU, GU, LTU, MQ, SCU, SIBT, TUA, UC, UON, UNE, UNSW, UNSW-ADFA, UOW, USYD, UTS, WS		
Business, Commerce, Economics, Marketing and Management			
I'm interested in ... politics, economics, business, international affairs, current affairs, finance and banking, statistics, accounting *I'm ...* good with money, ethical, organised, persuasive, independent, outgoing *... and I'm good at ...* leadership, mathematics, solving problems, showing initiative, critical thinking, logical thinking, negotiating	*I could be an ...* accountant, auditor, banker, business adviser, business analyst, business consultant, economist, entrepreneur, financial analyst, financial planner, human resources manager, project manager, marketing specialist, stockbroker	*I could study ...* accounting, actuarial studies, agribusiness, banking, e-commerce, financial advising, industrial relations, international business, human resource management, marketing statistics	*... and I could choose these subjects for years 11 and 12 ...* Business Studies, Economics, English, languages, Mathematics, Society and Culture, Business Services (B), Financial Services (B), Human Services (B), Retail Services (B)
	Where can I study? ACU, AMC, ANU, CQU, CSU, GU, ICMS, LTU, MC, MIT, MQ, SCU, SIBT, TOP, TUA, UC, UON, UNE, UNSW, UNSW-ADFA, UOW, USYD, UTS, WBC, WS		
Communications and Media Studies			
I'm interested in ... current affairs, literature, popular culture, social media, world events, politics *I'm ...* a good communicator, organised, imaginative, persuasive, creative, resourceful, an independent worker *... and I'm good at ...* writing, public speaking, debating, thinking creatively, motivating people, analytical thinking, using initiative	*I could be an ...* advertising account manager, commentator, editor, filmmaker, journalist, marketing manager, media officer, multimedia designer, presenter, producer, public relations manager	*I could study ...* advertising, film, information management, journalism, production, multimedia, television, radio, video, writing	*... and I could choose these subjects for years 11 and 12 ...* English, History, Society and Culture, Visual Arts, Entertainment Industry (B)
	Where can I study? ACU, ANU, BBC, CQU, CSU, GU, ICMS, LTU, MC, MQ, SAE, SCU, SIBT, TUA, UC, UON, UNE, UNSW, UOW, USYD, UTS, WS		
Creative and Performing Arts			
I'm interested in ... theatre, fashion, popular culture, music, photography, drawing, painting, graphic design, creating things, research *I'm ...* creative, good with detail, imaginative, organised, a good communicator, an independent worker, outgoing *... and I'm good at ...* dancing, acting, performing, making things, playing an instrument, writing, photography, working things (technical skills), solving problems, using initiative, writing	*I could be an ...* animator, artist, cartoonist, composer, fashion designer, film director, illustrator, journalist, multimedia designer, graphic designer, musician, photographer, producer, song writer, teacher, writer	*I could study ...* animation, creative writing, fashion, fine arts, graphic design, illustration, music, photography, theatre studies, visual arts, journalism	*... and I could choose these subjects for years 11 and 12 ...* English, Dance, Design and Technology, Drama, Music, Software Design and Development, Textiles and Design, Visual Arts, Entertainment Industry (B)
	Where can I study? ACU, ANU, BBC, CATC, CSU, GU, LTU, MC, MQ, NAS, SAE, SCU, UC, UON, UNE, UNSW, UOW, USYD, UTS, WS		

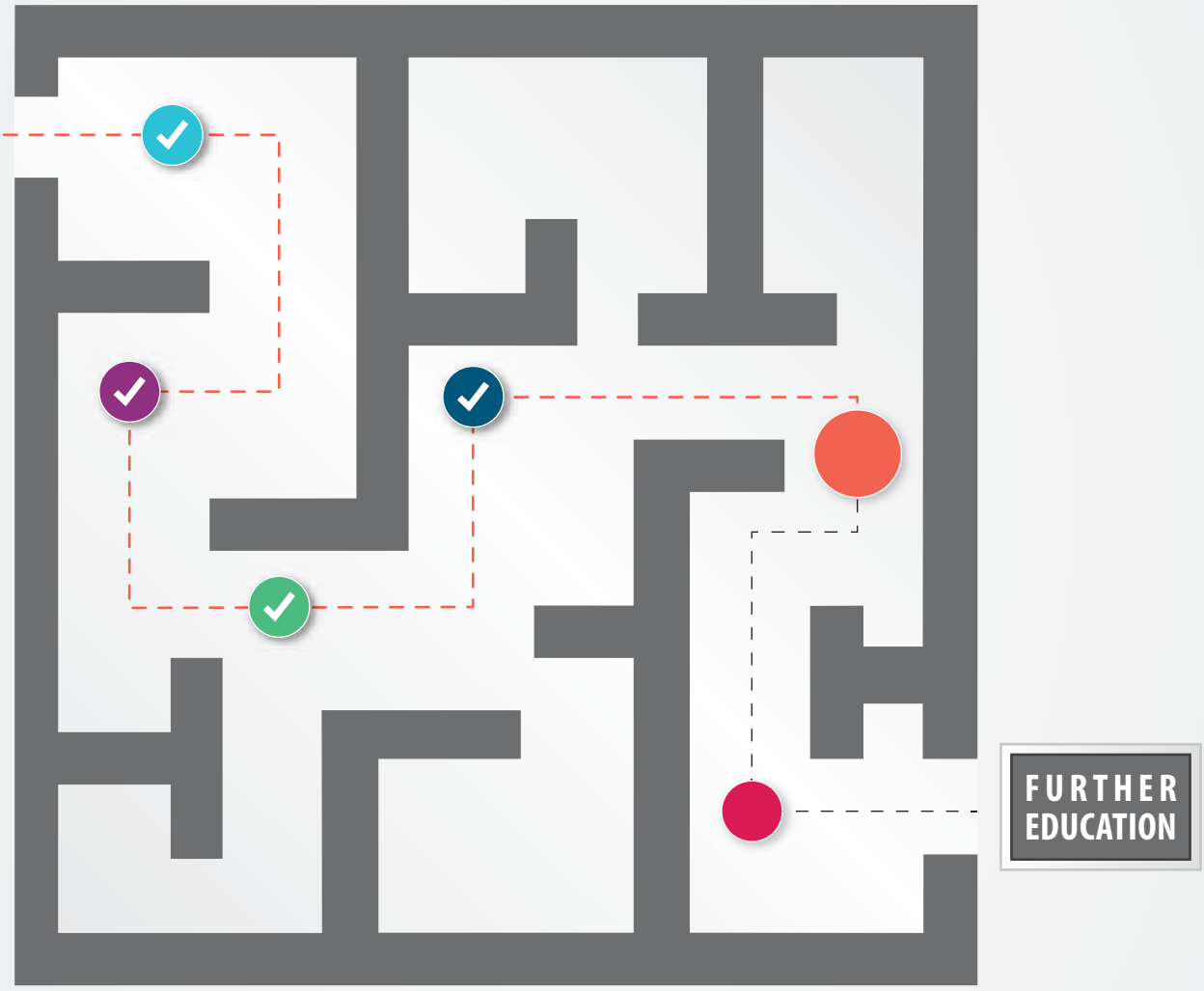
My interests, qualities and skills	Careers that use my interests, qualities and skills	Courses I could study	Subjects I could choose for years 11 and 12
Earth and Environmental Sciences			
I'm interested in ... being outdoors, the environment, nature, oceans, marine life, volcanoes, weather, waterways, diving, animals, bushwalking, science *I'm ...* good with detail, organised, observant, resourceful *... and I'm good at ...* mathematics, design, science, working alone, working outdoors, critical thinking, solving problems	*I could be an ...* environmental scientist, conservationist, forestry worker, fisheries manager, marine conservation officer, environmental officer, food and drug safety officer, resource manager, environmental planner, urban planner	*I could study ...* climate change, conservation studies, environmental rehabilitation studies, food sustainability, forestry, geography (human and physical), geology, geophysics, marine resource and environmental management, sustainability	*... and I could choose these subjects for years 11 and 12 ...* Biology, Chemistry, Design and Technology, Earth and Environmental Science, Mathematics, Physics, Senior Science, Society and Culture
Where can I study? AMC, ANU, CSU, CQU, GU, LTU, MQ, SCU, UC, UON, UNE, UNSW, UOW, USYD, UTS, WS			
Education and Teaching			
I'm interested in ... helping others, being outdoors, social equality, teaching and learning, school, children *I'm ...* active, a good communicator, patient, creative, organised, outgoing *... and I'm good at ...* time management, leadership, English, maths, planning, presentation, thinking critically	*I could be a ...* primary teacher, secondary teacher, early childhood teacher, corporate trainer, community educator, health and fitness consultant, personal trainer, fitness trainer	*I could study ...* adult education, community education, early childhood teaching, health education/promotion, human resource development, organisational learning, primary teaching, secondary teaching curriculum areas	*... and I could choose these subjects for years 11 and 12 ...* Biology, Chemistry, English, Geography, History, languages, Mathematics, Personal Development, Health and Physical Education (PDHPE), Physics, Society and Culture
Where can I study? ACNT, ACU, CSU, GU, LTU, MQ, SCU, TUA, UC, UON, UNE, UNSW, UOW, USYD, UTS, WS			
Engineering			
I'm interested in ... maths, science, construction, electronics, computers, programming, mechanics, how things work, robotics *I'm ...* organised, creative, good with detail, technically minded, patient, persistent, resourceful, analytical *... and I'm good at ...* drawing, planning, computing, leadership, designing, solving problems	*I could be a ...* civil engineer, electrical engineer, chemical or materials engineer, industrial engineer, manufacturer, mechanical engineer, production engineer, construction manager	*I could study ...* civil, computer, construction, electrical, environmental or mechanical engineering, engineering science, robotics, mechatronics, telecommunications	*... and I could choose these subjects for years 11 and 12 ...* Chemistry, Engineering Studies, Mathematics, Physics, Automotive (B), Construction (B), Electrotechnology (B), Information and Digital Technology (B), Metal and Engineering (B)
Where can I study? AMC, ANU, CSU, CQU, GU, LTU, MQ, SCU, SIBT, UC, UON, UNE, UNSW, UNSW-ADFA, UOW, USYD, UTS, WS			
Health Sciences			
I'm interested in ... health, nutrition, food, how the body works, people, science, alternative medicines, helping others *I'm ...* caring, curious, dependable, patient, a good communicator, critical thinker, organised, observant, open minded, good with people *... and I'm good at ...* leadership, fine motor skills, solving problems, working with others, time management, listening, thinking critically, motivating people	*I could be an ...* ambulance officer, a paramedic, podiatrist, radiographer, occupational therapist, chiropodist, chiropractor, doctor, physiotherapist, speech therapist, audiologist, sonographer, community health worker, nurse, medical researcher, medical scientist, health researcher, nutritionist, dietician, food researcher, dental hygienist, beauty therapist, pharmacist, data scientist	*I could study ...* biomedical sciences, chiropractic science, Chinese medicine, clinical science, dental science, medical imaging, medical laboratory science, naturopathy, nuclear medicine, nutrition and dietetics, occupational therapy, osteopathy, physiotherapy, podiatry, radiography, speech therapy, beauty therapy, oral health, pharmacology, digital health and analytics, global health	*... and I could choose these subjects for years 11 and 12 ...* Biology, Chemistry, Community and Family Studies, Food Technology, Personal Development, Health and Physical Education (PDHPE), Mathematics, Physics
Where can I study? ACAP, ACNT, ACU, ANCB, ANU, CQU, CSU, GU, JNI, LTU, MQ, SCU, TUA, UC, UON, UNE, UNSW, UOW, USYD, UTS, WS			

My interests, qualities and skills	Careers that use my interests, qualities and skills	Courses I could study	Subjects I could choose for years 11 and 12
Human Movement, Sport Sciences and Physical Education			
I'm interested in ... sport, coaching, fitness and exercise, how the body works, nutrition, biology, health, helping others, being outdoors *I'm ...* a good communicator, patient, observant, organised, enthusiastic, supportive, persuasive, fit and healthy, confident, outgoing *... and I'm good at ...* sports, public speaking, leadership, motivating others, fine motor skills, solving problems, teaching others, science	*I could be a ...* disease prevention educator, exercise scientist, fitness counsellor, fitness trainer, exercise rehabilitation worker, exercise physiologist, medical scientist, medical researcher, occupational therapist, sport scientist, sports coach, personal trainer, teacher	*I could study ...* exercise physiology, exercise science, sports coaching, sports journalism, sports management, sports psychology, anatomy and physiology, psychology	*... and these are subjects I could choose for Year 11 and 12 ...* Biology, Chemistry, Mathematics, Personal Development, Health and Physical Education (PDHPE), Physics, Modern History
	Where can I study? ACNT, ACU, CQU, CSU, GU, ICMS, SCU, TUA, UC, UON, UNE, UNSW, UOW, USYD, UTS, WS		
Information Technology			
I'm interested in ... computers, internet, web technologies, social media, electronics, programming, designing *I'm ...* organised, orderly, good with detail, persistent, level headed, happy to work alone *... and I'm good at ...* computing, using technology, maths, solving problems, thinking logically, thinking creatively, making decisions	*I could be a ...* systems analyst, software developer, computer programmer, IT consultant, graphic designer, game designer, web designer, digital media producer, filmmaker, illustrator, photographer, visual effects artist	*I could study ...* computing, computer science, electronics, information systems, information technology, programming, software engineering	*... and I could choose these subjects for years 11 and 12 ...* Business Studies, Design and Technology, English, Mathematics, Information Processes and Technology, Information and Digital Technology (B), Software Design and Development
	Where can I study? ACU, ANU, BBC, CQU, CSU, GU, LTU, MIT, MQ, SAE, SCU, SIBT, UC, UON, UNE, UNSW, UNSW-ADFA, UOW, USYD, UTS, WS		
Law			
I'm interested in ... research, justice, fairness, equality, current affairs, politics, helping others *I'm ...* outgoing, organised, observant, open minded, persistent, persuasive *... and I'm good at ...* debating, public speaking, writing, researching, evaluating information, negotiating, logical thinking	*I could be a ...* legal adviser, legal officer, legal researcher, politician, police officer, barrister, solicitor, judge, magistrate	*I could study ...* law, conveyancing, justice studies, legal studies, paralegal studies, political studies	*... and I could choose these subjects for years 11 and 12 ...* Business Studies, Economics, English, Legal Studies, Society and Culture
	Where can I study? ACU, ANU, CQU, CSU, GU, LTU, MQ, SCU, TOP, UC, UON, UNE, UNSW, UOW, USYD, UTS, WS		
Medical Sciences and Medicine			
I'm interested in ... the environment, health, nutrition, how the body works, people, science, alternative medicines, helping others, research, experimenting *I'm ...* caring, patient, a good communicator, inventive, curious, organised, good with detail, observant *... and I'm good at ...* leadership, fine motor skills, time management, making decisions, problem solving, working with others, listening	*I could be a ...* doctor, biomedical engineer, chiropractor, forensic officer, genetic counsellor, medical researcher, pathologist, pharmacist, biochemist, laboratory technician, radiologist, sonographer	*I could study ...* health sciences, biomedical sciences, medicine, nanotechnology, optometry, pharmacy	*... and I could choose these subjects for years 11 and 12 ...* Biology, Chemistry, Mathematics, Physics, Community and Family Services, Senior Science
	Where can I study? ANU, CQU, CSU, GU, MQ, SCU, UC, UON, UNE, UNSW, UOW, USYD, UTS, WS		

My interests, qualities and skills	Careers that use my interests, qualities and skills	Courses I could study	Subjects I could choose for years 11 and 12
Nursing and Midwifery			
I'm interested in ... healthcare, helping others, how the body works, people, science, mothers and babies, childbirth *I'm ...* caring, kind, a good communicator, dependable, supportive, responsible, tolerant, patient, organised *... and I'm good at ...* using initiative, teamwork, working with others, listening	*I could be a ...* nurse, midwife, surgical nurse, paediatric nurse, aged care nurse, community health nurse, disability care nurse, critical care nurse, nurse educator, health administration, occupational health, Indigenous health, mental health, pharmaceutical sales, social and health policy officer	*I could study ...* nursing, health sciences, midwifery, behavioural and social sciences, Indigenous culture, primary healthcare medical/ surgical nursing, perioperative nursing, high-dependency nursing, oncology, palliative care, aged care, paediatrics, maternal and infant care, mental health, rehabilitation, community nursing	*... and I could choose these subjects for years 11 and 12 ...* Biology, Chemistry, English, Mathematics, Community and Family Services
	Where can I study? ACU, CQU, CSU, GU, LTU, SCU*, UC*, UON*, UNE, UOW, USYD, UTS*, WS* *Includes midwifery		
Science, Applied Science and Technology			
I'm interested in ... chemistry, science, the environment, weather patterns, people and communities, marine life, space, astronomy, planes, research, computers, experimenting, animals, nature, psychology, farming *I'm ...* curious, organised, creative, good with detail, observant, resourceful *... and I'm good at ...* solving problems, critical thinking, leadership, mathematics, logical thinking, chemistry, biology	*I could be a ...* researcher, medical marketer, medical advocate, laboratory technician, counsellor, community worker, sports psychologist, field researcher, urban planner, data analyst, geologist, aviation engineer, vet, zookeeper	*I could study ...* agricultural science, applied studies, aviation science, biological science, chemistry, environmental science, equine science, food science or technology, forensics, horticulture, marine science, mathematics, medical science, nanotechnology, physics psychology, statistics, technology, veterinary science, zoology	*... and I could choose these subjects for years 11 and 12 ...* Biology, Chemistry, Mathematics, Physics, Community and Family Services, Senior Science
	Where can I study? ACAP, ACU, AMC, ANU, CQU, CSU, GU, LTU, MQ, SCU, TUA, UC, UON, UNE, UNSW, UNSW-ADFA, UOW, USYD, UTS, WS		
Social Sciences			
I'm interested in ... people and communities, world events, current affairs, politics, health, social responsibility, immigration, policing, justice, fairness, working with people, helping others *I'm ...* organised, a good communicator, curious, resourceful, fair, helpful *... and I'm good at ...* critical thinking, making decisions, solving problems	*I could be an ...* occupational therapist, community care officer, social worker, vocational guidance counsellor, welfare support officer, welfare worker, legal practitioner	*I could study ...* behavioural science, commerce, criminology, geography, policing, policy studies, social ecology, sociology	*... and I could choose these subjects for years 11 and 12 ...* Community and Family Studies, English, Legal Studies, Modern History, Economics, Geography, Mathematics, Society and Culture
	Where can I study? ACAP, ACU, ANU, CQU, CSU, GU, JNI, LTU, MQ, SCU, UC, UON, UNE, UNSW, UOW, USYD, UTS, WS		

My interests, qualities and skills	Careers that use my interests, qualities and skills	Courses I could study	Subjects I could choose for years 11 and 12
Social Work and Welfare			
I'm interested in ... people and cultures, health, social responsibility, fairness, helping others *I'm ...* organised, caring, a good communicator, curious, resourceful, fair, helpful *... and I'm good at ...* critical thinking, making decisions, solving problems	*I could be a ...* community care officer, social worker, welfare support officer, welfare worker, aged care worker, disability officer, migrant welfare officer, child protection officer, youth worker	*I could study ...* social work, children and young people, ageing, health and disability, Indigenous studies, social policy, sociology, psychology, social research, research skills, youth work	*... and I could choose these subjects for years 11 and 12 ...* Economics, English, Modern History, Society and Culture, Mathematics
	Where can I study? ACAP, ACU, CQU, CSU, GU, JNI, LTU, SCU, UON, UNE, UNSW, UOW, USYD, WS		
Tourism and Hospitality Management			
I'm interested in ... travel, people and cultures, world events, languages, helping others, being outdoors, being active *I'm ...* organised, good with detail, a good communicator, confident, patient, persistent, sincere, friendly, flexible, punctual *... and I'm good at ...* languages, leadership, planning, serving customers, solving problems, working with people from diverse backgrounds	*I could be a ...* tour operator, event manager, hotel manager, travel consultant, resort manager, environmental planner, restauranteur	*I could study ...* event management, hotel management, leisure studies, recreational management and planning, tourism management, sport management	*... and I could choose these subjects for years 11 and 12 ...* Economics, English, languages, Mathematics, Society and Culture, Hospitality (B), Tourism, Travel and Events (B)
	Where can I study? CQU, CSU, GU, ICMS, MC, SCU, SIBT, TUA, UC, UON, UOW, UTS, WBC, WS		

Step 3: Decide



In the previous section you explored how your interests may lead to certain careers, areas of study and possible subject choices. Now it's time to decide on your subjects for years 11 and 12.

HSC subjects and courses

At this stage don't think about what ATAR you need for entry to a specific course at a specific university as this could change once you are ready to apply. Think more about the courses or subject areas you are interested in and what will work best to help you get there. Open your mind to the multitude of possibilities.

This booklet discusses both HSC subjects and HSC courses. A subject is the general name given to an area of study. A course is a branch of study within a subject. A subject may have several courses. For example, the subject of English has the courses of English as a Second Language, English (Standard), English (Advanced), HSC English Extension 1 and HSC English Extension 2. HSC subjects and HSC courses are listed in the table on pages 30–31.

If you want to study at uni but still can't decide on a course, choose subjects that will give you flexibility. For example, if you like both science and history you could pick from among the science and history subjects in years 11 and 12 (eg Biology, Chemistry, Physics, Senior Science, Ancient History and Modern History). You would then be prepared for further study in either subject. Keep your options flexible so that when you are more sure about what you want to do, you're already on the way to getting there.

If you're sure you don't want to go to university then your choice of subjects for years 11 and 12 will not be based on ATAR eligibility. But you may change your mind in the next couple of years, so it could still be a good idea to choose subjects that make you eligible for an ATAR.

Requirements

Some tertiary courses require you to have studied certain subjects, or their equivalent, or to have achieved a specific standard before you'll be offered a place in the course.

If you're sure about what you want to study at uni, make sure you can answer the following questions about your course:

- Are there any prerequisites?
- Is there any assumed knowledge?
- Are there recommended studies?
- Are there any additional selection criteria?

These requirements can be found in the institution entries in Part 2 of this booklet. Part 2 is divided into main areas of study at each institution, so it's a good idea to check a couple of different institutions you're interested in for their requirements. Institutions can describe their entry requirements in different ways because they have different policies.

Choosing courses

Category A courses

This is a general guide to HSC Category A subjects and courses accepted by institutions in NSW and the ACT for entrance purposes. Always check with the relevant institution to confirm the information. Category A courses are listed in the table on pages 30–31.

English

In New South Wales, studying English is compulsory and two units of English must be included in the calculation of your ATAR. In addition, some institutions require English as a subject prerequisite or course prerequisite. Check the areas of study in each institution entry for details. If you are considering studying English at tertiary level, English (Advanced) or HSC English Extension 1 is usually recommended.

Students who complete the Stage 6 Content Endorsed course English Studies are not eligible for an ATAR.

Fred and Laura

We know that Fred is interested in both sports-based and business degrees. These areas of study have the subject of Mathematics in common, so Fred's first HSC course choice is Mathematics. He's also decided to choose Business Studies and a science, Biology, to cover his interests. English is compulsory so Fred needs to choose two more subjects. He chooses Modern History and Visual Arts to make up his 12 units.

We know Laura is interested in degrees involving agriculture and the environment. Common subjects in these areas of study are Biology and Mathematics. Laura has also done well in science so these are good HSC course choices for her. She then chooses Visual Arts, which covers her artistic interests, along with English, which is compulsory. Laura also chooses Modern History, which she thinks will be interesting, and Business Studies, which her mother thinks may be useful in managing the farm.

With the HSC courses they've chosen both Fred and Laura will have a good background knowledge of key subjects in these degree areas if they decided to study them.

Fred and Laura have therefore decided on the same courses for the HSC: Biology, Business Studies, English (Advanced), Mathematics, Modern History and Visual Arts.

Fred and Laura

With his main areas of interest being sport and business, Fred has looked at a couple of courses in these areas at some of the universities in his city and checked to see if there are prerequisites, assumed knowledge, recommended studies or any additional selection criteria. Fred has found that if he were to apply for a degree in sport or exercise management he would need to have Mathematics and any two units of English as assumed knowledge. Luckily, he has chosen Mathematics, and English is on his list because it's compulsory.

Laura has checked with the institution in her area about a degree in agriculture. It advises Biology and/or Chemistry as recommended studies with Mathematics as assumed knowledge. Laura has chosen both Biology and Mathematics so she is well prepared if she goes on to study this course.

Agriculture, Biology, Chemistry, Earth and Environmental Science, Engineering Studies, Physics, Senior Science

If you wish to study a course based on science at tertiary level – for example, agriculture, engineering, natural resources, computing, medical or rural science – you are advised to study as much science and mathematics as you can at school. You can do this by taking as many science-based courses as you are able to handle within the HSC rules.

Mathematics

A knowledge of mathematics is desirable for some tertiary courses. It is also recommended, along with physics, for all degree courses requiring a study of physics.

Ideally you should select either HSC Mathematics Extension 1 or HSC Mathematics Extension 2 if you wish to continue studying mathematics, mathematical statistics, actuarial studies or computer science beyond your first year at uni. These courses are the best preparation for the study of all branches of engineering and physics after the first year.

Mathematics (not Mathematics General 2) is recommended by most institutions as the minimum requirement for further study in a variety of subjects, including architecture, agricultural economics, biological sciences, business, chemistry, commerce, economics, geology, psychology, social sciences, statistics, and urban and regional planning.

Note: Stage 6 Content Endorsed course Mathematics General 1 cannot be included in the ATAR calculation.

HSC Mathematics Extension 1 – the unit value of this course changes depending on whether the course is taken in combination with Mathematics or HSC Mathematics Extension 2, as follows:

- Mathematics (2-unit) + HSC Mathematics Extension 1 (1-unit)
- HSC Mathematics Extension 1 (2-unit) + HSC Mathematics Extension 2 (2-unit).

Languages (other than English)

Most institutions offer courses in languages for first-year students who have no previous knowledge of the particular language.

If you are considering further study in a language, however, including the language in your HSC program is to your advantage. This may be essential if you intend to proceed to fourth-year honours in that language.

Also ask the relevant institution whether specific requirements have been set for the study of a language.

Beginners courses are accepted by all institutions for entrance purposes but are not recommended as preparation for study in that subject.

Ancient History, Economics, Geography, Modern History

Any of these HSC courses may be included in your HSC program to satisfy tertiary entrance requirements. At tertiary level, however, they are taught on the assumption that students have not studied them previously.

Music

Music can be included in your HSC program by studying Music 1, Music 2 or HSC Music Extension. If you are considering further study in music, find out the minimum entry standard required. Some courses require an audition.

Visual Arts

If you are considering further study in visual arts, find out the minimum entry standard required. Most courses require presentation of a portfolio of work. This is indicated under additional selection criteria in the areas of study for the institution.

Aboriginal Studies; Business Studies; Community and Family Studies; Dance; Design and Technology; Drama; Food Technology; Industrial Technology; Information Processes and Technology; Legal Studies; Personal Development, Health and Physical Education (PDHPE); Society and Culture; Software Design and Development; Studies of Religion; Textiles and Design

These HSC courses are accepted by all institutions for entrance purposes.

Category B courses

Remember that only the best two units from your Category B courses are available for inclusion in the calculation of your ATAR. Category B courses are listed in the table on page 31.

Courses that don't contribute to the ATAR

- English Studies
- Mathematics General 1
- HSC-University Pathways program

Subject choice examples

Following are examples of possible subject combinations chosen by students for years 11 and 12. Remember that you must have at least two units of English.

First, let's look at Fred and Laura's subject choices.

Fred and Laura

Subject	Units	Category
Biology	2	A
Business Studies	2	A
English (Advanced)	2	A
Mathematics	2	A
Modern History	2	A
Visual Arts	2	A

Fred and Laura are eligible for an ATAR because they meet all the ATAR eligibility rules (read pages 6–7). They are also undertaking 12 units. To be eligible for an ATAR you need to have 10 units of ATAR courses, so even if they drop a subject (other than English) for Year 12 they will both still be eligible.

Jodie

Subject	Units	Category
English (Advanced)	2	A
Mathematics	2	A
Geography	2	A
Financial Services	2	B
Hospitality	2	B
Tourism and Events	2	B

Jodie is not eligible for an ATAR because she is studying 6 units of Category A courses and 6 units of Category B courses. No more than 2 units of Category B courses can be used in the calculation of the ATAR. She therefore only has 8 units of courses that can be used to calculate the ATAR. To be eligible for an ATAR you need to have 10 units of ATAR courses.

Trevor – *Year 11*		
Subject	**Units**	**Category**
English (Advanced)	2	A
English Extension 1	1	A
Mathematics	2	A
Mathematics Extension 1	1	A
Chemistry	2	A
Biology	2	A
Ancient History	2	A

At the end of Year 11, Trevor decided to drop Chemistry and Biology and take on Mathematics Extension 2 and English Extension 2. Trevor's new pattern of study now looks like this:

Trevor – *Year 12*		
Subject	**ATAR Units**	**Category**
English (Advanced)	2	A
English Extension 1	1	A
English Extension 2	1	A
Mathematics	0	A
Mathematics Extension 1	2	A
Mathematics Extension 2	2	A
Ancient History	2	A

Even though Trevor is studying all Category A courses, he is not eligible for an ATAR for the following reasons.

First, only up to four units of maths can be included in the ATAR calculation. So taking Mathematics, Mathematics Extension 1 and Mathematics Extension 2 means 2-unit Mathematics will no longer be available for Trevor's ATAR calculation, even if he excels in it.

Also, to be eligible for an ATAR you must have completed four subjects. Trevor has only completed three subjects: English, Mathematics and Ancient History.

Tammy		
Subject	**Units**	**Category**
English (Standard)	2	A
Business Studies	2	A
Legal Studies	2	A
Economics	2	A
Business Services	2	B
Hospitality	2	B

If Tammy keeps all her courses she will be eligible for an ATAR. But if Tammy drops a course this may change depending on which course she drops.

For example, if Tammy drops Business Services she will still be eligible for an ATAR as she still meets the ATAR eligibility rules of 8 units of Category A courses and 2 units of Category B courses.

But if Tammy decides to drop Legal Studies she will no longer be eligible for an ATAR as she will only have 6 units of Category A courses.

HSC Board Developed courses to be examined in 2017

Category A courses

Number	Course name	Unit value	Subject area
15000	Aboriginal Studies	2	Aboriginal Studies
15010	Agriculture	2	Agriculture
15020	Ancient History	2	Ancient History
15280	HSC History Extension [1]	1	Ancient History
15030	Biology	2	Biology
15040	Business Studies	2	Business Studies
15050	Chemistry	2	Chemistry
15060	Community and Family Studies	2	Community and Family Studies
15070	Dance	2	Dance
15080	Design and Technology	2	Design and Technology
15090	Drama	2	Drama
15100	Earth and Environmental Science	2	Earth and Environmental Science
15110	Economics	2	Economics
15120	Engineering Studies	2	Engineering Studies
15150	English as a Second Language	2	English
15130	English (Standard)	2	English
15140	English (Advanced)	2	English
15160	HSC English Extension 1	1	English
15170	HSC English Extension 2	1	English
15180	Food Technology	2	Food Technology
15190	Geography	2	Geography
15200	Industrial Technology	2	Industrial Technology
15210	Information Processes and Technology	2	Information Processes and Technology
15220	Legal Studies	2	Legal Studies
15235	Mathematics General 2	2	Mathematics
15240	Mathematics	2	Mathematics
15250	HSC Mathematics Extension 1 [8]	1/2	Mathematics
15260	HSC Mathematics Extension 2	2	Mathematics
15270	Modern History	2	Modern History
15280	HSC History Extension [1]	1	Modern History
15290	Music 1 [2]	2	Music
15300	Music 2 [2]	2	Music
15310	HSC Music Extension [2]	1	Music
15320	Personal Development, Health and Physical Education	2	Personal Development, Health and Physical Education
15330	Physics	2	Physics
15340	Senior Science	2	Senior Science
15350	Society and Culture	2	Society and Culture
15360	Software Design and Development	2	Software Design and Development
15370	Studies of Religion I [3]	1	Studies of Religion
15380	Studies of Religion II [3]	2	Studies of Religion
15390	Textiles and Design	2	Textiles and Design
15400	Visual Arts	2	Visual Arts

Languages

15500	Arabic Beginners	2	Arabic
15510	Arabic Continuers	2	Arabic
15520	HSC Arabic Extension	1	Arabic
15530	Armenian Continuers	2	Armenian
15540	Chinese Beginners	2	Chinese
15550	Chinese Continuers	2	Chinese
15555	Heritage Chinese	2	Chinese
15560	Chinese Background Speakers	2	Chinese
15570	HSC Chinese Extension	1	Chinese
15580	Classical Greek Continuers	2	Classical Greek
15590	HSC Classical Greek Extension	1	Classical Greek
15600	Classical Hebrew Continuers	2	Classical Hebrew
15610	HSC Classical Hebrew Extension	1	Classical Hebrew
15620	Croatian Continuers [4]	2	Croatian
15640	Dutch Continuers	2	Dutch
15660	Filipino Continuers	2	Filipino
15670	French Beginners	2	French
15680	French Continuers	2	French
15690	HSC French Extension	1	French
15700	German Beginners	2	German
15710	German Continuers	2	German
15720	HSC German Extension	1	German
15730	Hindi Continuers	2	Hindi
15740	Hungarian Continuers	2	Hungarian
15750	Indonesian Beginners	2	Indonesian
15760	Indonesian Continuers	2	Indonesian
15765	Heritage Indonesian	2	Indonesian
15770	Indonesian Background Speakers [5]	2	Indonesian
15780	HSC Indonesian Extension	1	Indonesian
15790	Italian Beginners	2	Italian
15800	Italian Continuers	2	Italian
15810	HSC Italian Extension	1	Italian
15820	Japanese Beginners	2	Japanese
15830	Japanese Continuers	2	Japanese
15835	Heritage Japanese	2	Japanese
15840	Japanese Background Speakers	2	Japanese
15850	HSC Japanese Extension	1	Japanese
15860	Khmer Continuers	2	Khmer
TBA	Korean Beginners [9]	2	Korean
15880	Korean Continuers	2	Korean
15885	Heritage Korean	2	Korean
15890	Korean Background Speakers	2	Korean
15900	Latin Continuers	2	Latin
15910	HSC Latin Extension	1	Latin
15940	Macedonian Continuers [4]	2	Macedonian
15950	Malay Background Speakers [5]	2	Malay
15960	Maltese Continuers	2	Maltese
15970	Modern Greek Beginners	2	Modern Greek
15980	Modern Greek Continuers	2	Modern Greek
15990	HSC Modern Greek Extension	1	Modern Greek
16000	Modern Hebrew Continuers	2	Modern Hebrew

Number	Course name	Unit value	Subject area
16010	Persian Background Speakers	2	Persian
16020	Polish Continuers	2	Polish
16030	Portuguese Continuers	2	Portuguese
16035	Punjabi Continuers	2	Punjabi
16045	Russian Continuers	2	Russian
16050	Serbian Continuers [4]	2	Serbian
16070	Spanish Beginners	2	Spanish
16080	Spanish Continuers	2	Spanish
16090	HSC Spanish Extension	1	Spanish
16100	Swedish Continuers	2	Swedish
16110	Tamil Continuers	2	Tamil
16120	Turkish Continuers	2	Turkish
16130	Ukrainian Continuers	2	Ukrainian
16140	Vietnamese Continuers	2	Vietnamese

Category B courses

Number	Course name	Unit value	Subject area
26099	Automotive (Examination)	2	Automotive [6]
26199	Business Services (Examination)	2	Business Services [6]
26299	Construction (Examination)	2	Construction [6]
26399	Electrotechnology (Examination)	2	Electrotechnology [6]
26499	Entertainment Industry (Examination)	2	Entertainment Industry [6]
27299	Financial Services (Examination)	2	Financial Services [6]
26599	Hospitality (Examination)	2	Hospitality [6]
27199	Human Services (Examination)	2	Human Services [7]
27399	Information and Digital Technology (Examination)	2	Information and Digital Technology [6]
26799	Metal and Engineering (Examination)	2	Metal and Engineering [6]
27899	Primary Industries (Examination)	2	Primary Industries [6]
26999	Retail Services (Examination)	2	Retail Services [6]
27499	Tourism, Travel and Events (Examination)	2	Tourism, Travel and Events [6]

Notes

1. You can study both Ancient History and Modern History, but there is only one HSC History Extension course. It is considered a course within the subject of either Modern History or Ancient History.
2. You must study Music 2 if you wish to study HSC Music Extension.
3. You may study either Studies of Religion I or Studies of Religion II, but not both.
4. You may study only one of the following languages: Croatian continuers, Macedonian continuers, Serbian continuers.
5. You can only count either Malay Background Speakers or Indonesian Background Speakers in your pattern of study.
6. An optional HSC written examination is offered for students who complete the 240-hour HSC indicative course. If you want the results from this course to be available for inclusion in the calcuation of your ATAR, subject to ATAR rules (read pages 6–7), you must undertake the optional written examination. Other VET courses available in this subject area are not examinable. Check with your school or the BOSTES website at www.bostes.nsw.edu.au for more information.
7. An optional HSC written examination is offered for students who complete the 240 or 360 HSC indicative hour course. If you want the results from this course to be available for inclusion in the calculation of your ATAR, subject to ATAR rules, you must undertake the optional written examination. Other VET courses available in this subject area are not examinable.
8. The unit value of this course changes depending on whether the course is taken in combination with Mathematics or HSC Mathematics Extension 2. Read ‘Mathematics’ on page 27.
9. Korean Beginners will be examined for the first time in 2017. It has been categorised as a Category A course.

Common terms and abbreviations

Following is a summary of terms generally used by UAC and our participating institutions. Take a few minutes to read these definitions as they will help you to understand the information provided in this booklet.

Academic year

The part of the year when students attend classes. It usually starts in February–March each year and ends with the examination period in November–December. It can comprise two semesters or three terms.

Additional selection criteria

Criteria used by institutions, as well as, or instead of, the ATAR for selection purposes for a particular course. Examples include a personal statement, questionnaire, portfolio of work, audition, interview or test.

You should find out as soon as possible if the course you're interested in has additional selection criteria as some of these require materials and evidence of experience to be compiled or documented during years 11 and 12.

Admission requirements

The minimum qualifications required for entry to a particular course. Entry to courses is competitive and the attainment of minimum qualifications does not guarantee the offer of a place.

Advanced Diploma

An award requiring two or three years of full-time, or equivalent part-time, study.

Areas of study

Areas of in-depth study or specialisation within a course consisting of a sequence of subjects/units in a single discipline generally studied throughout the course. In some courses it is possible to have more than one area of study. Some institutions may refer to areas of study as majors or specialisations.

Associate Degree

An award requiring two years full-time or equivalent part-time tertiary study, which equates to the first two years of a designated three-year degree course.

Assumed knowledge

Knowledge of a specific Year 12 course that an institution assumes students have before they begin their course. If a student doesn't have the assumed level of knowledge but does have a suitable ATAR they may still be selected for the course, but may have difficulty coping with their studies.

Some institutions offer bridging or introductory courses to help you achieve the required level of assumed knowledge. However, if you include one or more of these bridging courses in your program, it could prevent you from completing your tertiary course in the minimum time.

Australian Tertiary Admission Rank (ATAR)

A number between 0.00 and 99.95 that indicates your overall academic achievement in Year 12 in relation to your age cohort. The ATAR is a rank, not a mark. It helps institutions rank applicants for selection.

Bachelor degree

An award requiring three or four years of full-time, or equivalent part-time, undergraduate study.

Board of Studies, Teaching and Educational Standards (BOSTES)

NSW Government authority that sets the core curriculum for Kindergarten to Year 12, sets guidelines for school assessment tasks, and sets, organises and marks the HSC examinations for government and non-government schools in NSW.

Combined/double/dual degrees

Allow students to complete two degrees in less time than would be taken if the two degrees were studied sequentially. Sometimes called vertical degrees.

Course cut-off

The lowest selection rank (including any bonus points) obtained by current Australian Year 12 students receiving an offer to a course. The cut-offs for courses in a particular year are only known after Main Round offers for that year are made. The course cut-offs published by UAC are the Main Round cut-offs from the previous year. They are intended to be used as a guide. Course cut-offs can change from year to year, depending on the number of places available, the number of applications for the course and the quality of the applicants.

Deferment

The situation when a student has received an offer to enrol in a tertiary course but has been given permission by the institution to delay the start of the course for a fixed period, usually one year.

Diploma

An award usually requiring two or three years of full-time, or equivalent part-time, undergraduate study. These courses are usually characterised by more emphasis on practical skills than on the theoretical content.

Distance education

Study undertaken off-campus, usually at a study centre or at home. Residential attendance at on-campus sessions is sometimes required.

HSC course

A specific area of study within a NSW HSC subject. A subject may have several different courses. For example, the courses English (Standard), English (Advanced), HSC English Extension 1, HSC English Extension 2 and English as a Second Language are all courses within the subject of English.

HSC subject

A general area of study or key learning area in the NSW HSC. A subject may have several courses within it. For example, the HSC subject English offers the courses English (Standard), English (Advanced), HSC English Extension 1, HSC English Extension 2 and English as a Second Language.

Prerequisite

An essential prescribed level of achievement that must be reached in order to be considered for admission to certain tertiary courses. There are two types of prerequisites: course prerequisites and subject prerequisites.

Course prerequisite

Some tertiary courses require students to have achieved a specific standard in an HSC course or equivalent before they will be offered a place in the course. If you do not have the required course prerequisite you cannot be selected for the institution's course even though you may have met the other admission requirements.

Subject prerequisite

Some subjects within a tertiary course require students to achieve a specified standard in an HSC course or equivalent before they are able to enrol in those particular subjects. If you do not have the required subject prerequisite but have met the admission requirements, you may still be selected for the course, but may be unable to take that particular subject within the course.

Recommended studies

Year 12 courses that an institution suggests a student should study to help in their chosen tertiary course. If a student has not studied these courses their chances of selection are not affected. However, a student who has studied these courses will be better prepared for their chosen tertiary course.

Undergraduate course

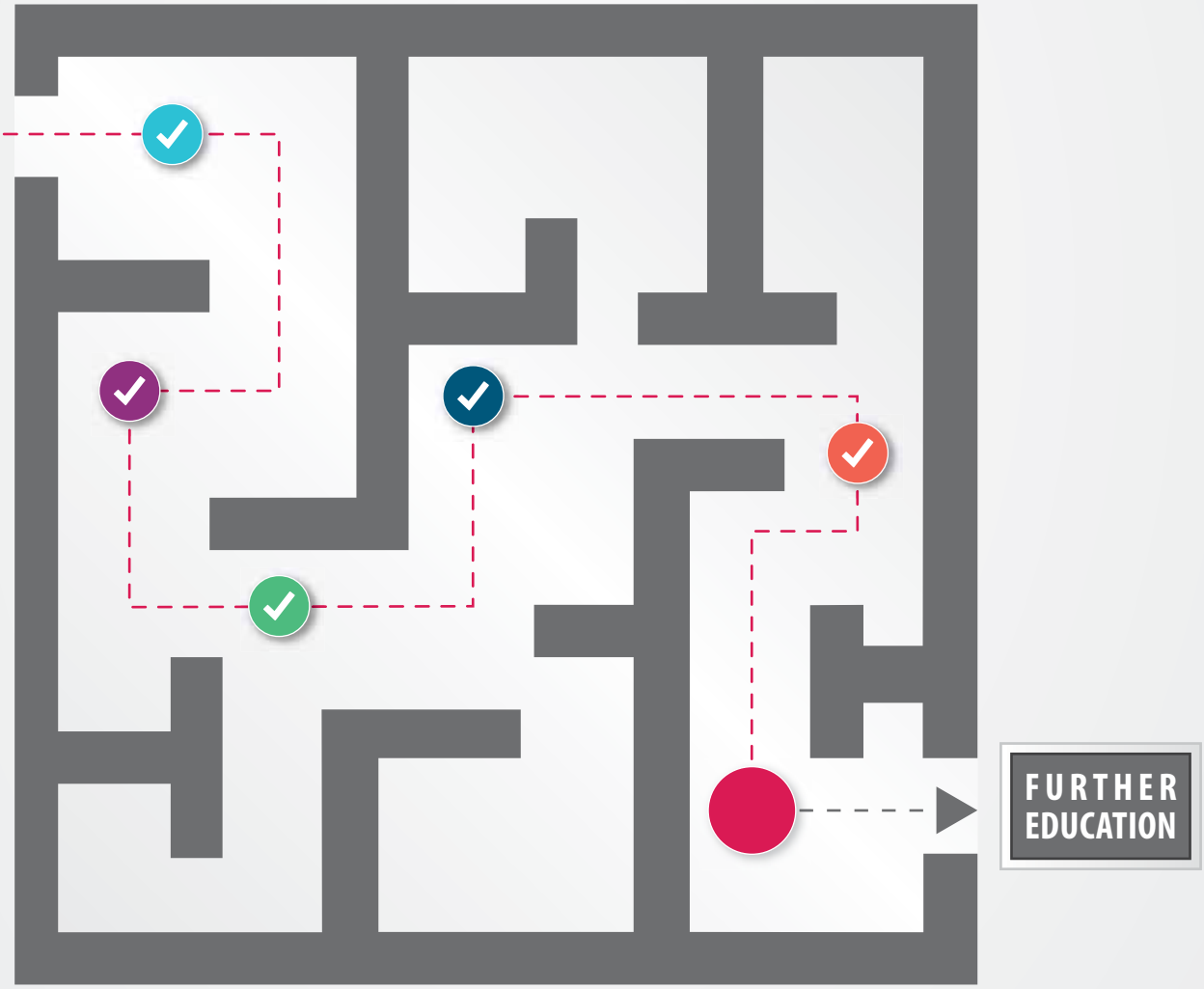
An entry-level course for first-time university students that leads to a first qualification, such as a Bachelor degree, an Associate Diploma or a Diploma.

Universities Admissions Centre (UAC)

The central office that receives and processes applications for admission to most undergraduate courses at its participating institutions as well as applications for Educational Access Schemes, Equity Scholarships and Schools Recommendation Schemes. UAC notifies current NSW HSC students of their ATAR and makes offers of admission on behalf of participating institutions.

Part 2

Institution requirements



Institutions describe their requirements in different ways because they have different policies. The following information will help you to understand each institution's entry. Check the 'Common Terms and Abbreviations' on pages 32–33 for further explanation of the terms used.

Note that if an institution requires you to have studied a specific course in your HSC, the proper name of the course is stated – for example, HSC Mathematics Extension 1. Read pages 30–31 for a list of HSC Board Developed courses.

In some subject areas, more than one course may meet the requirements. When this occurs, institutions have not listed all of the courses they accept. You can assume that as well as the course they have included, institutions also accept courses in the same subject area that challenge higher order thinking and extension courses that enable students to undertake more in-depth study in areas of special interest. For example, if institutions accept Mathematics they also accept HSC Mathematics Extension 1 or HSC Mathematics Extension 2, but not Mathematics General 2.

If the institution does not require you to have studied a specific level in your HSC, it is stated as 'any two units of'. For example, where you read 'any two units of English', this means that any 2-unit English course is acceptable. Institutions that ask for 'any two units of science' indicate what courses this includes at the beginning of their entry.

Prerequisites

Prerequisites are an essential prescribed level of achievement you must reach in order to be considered for admission to certain tertiary courses. There are two types of prerequisites.

Course prerequisites

Some tertiary courses require you to have successfully completed or achieved a specified standard in an HSC course or equivalent before you'll be offered a place in the course.

If you do not have the required course prerequisite/s, you cannot be selected for the course even though you may have met the other admission requirements.

Not all institutions have course prerequisites. Of those that do, some are very specific and state a required level you must have achieved in your HSC course. The course prerequisites marked '*' have minimum requirements. The minimum requirement or marks are not shown in this booklet – contact the relevant institution for details.

Institutions that do not specify marks state just the HSC course name. This means that you have to attempt the course, but you do not have to achieve a specific mark.

Subject prerequisites

Some subjects in a tertiary course require that you have successfully completed or achieved a specified standard in an HSC course or equivalent before you are able to enrol in those particular subjects.

If you do not have the required subject prerequisites but have met the admission requirements for the course, you may still be selected for the course, but may be unable to take the particular subject within the course.

Some institutions require you to have achieved a specific mark or level in your HSC course. Subject prerequisites may have minimum requirements or marks which are not shown in this booklet – contact the relevant institution for details.

Some institutions offer bridging or introductory courses to help you achieve the required standard – contact the relevant institution for details.

Additional selection criteria

Some courses have additional selection criteria. You may need to provide a personal statement, answer a questionnaire, present a portfolio of work, attend an audition or interview, or sit a test such as the Undergraduate Medicine and Health Sciences Admission Test (UMAT).

Assumed knowledge

Some institutions assume you have a knowledge of specific HSC courses or equivalent before you begin the course.

If you don't have the assumed level of knowledge but do have a suitable ATAR, you may still be selected for the course but you may find some difficulty coping with your studies.

Some institutions offer bridging or introductory courses to help you achieve the required level of assumed knowledge – contact the relevant institution for details.

Recommended studies

These are HSC or equivalent subjects or other courses that the institutions suggest will help you in your chosen tertiary course.

If you have not studied these HSC courses, your chances of selection are not affected, but you may be offered a bridging course.

Australasian College of Natural Therapies (ACNT)

www.acnt.edu.au
CRICOS provider number 00246M

AUSTRALASIAN COLLEGE OF NATURAL THERAPIES

Enquiries

by post: Australasian College of Natural Therapies
235 Pyrmont Street
Pyrmont NSW 2009

in person: 235 Pyrmont Street
Pyrmont NSW 2009

telephone: 1300 017 267
email: info@acnt.edu.au
facebook: www.facebook.com/AustralasianCollegeofNaturalTherapies
instagram: www.instagram.com/acnt_college

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

HEALTH SCIENCE

Naturopathy
Nutritional Medicine
Western Herbal Medicine

Areas of study: Anatomy and physiology, biochemistry, bioscience, botany, counselling and communication skills, drug and integrated pharmacology, food as medicine, general pathology, health assessment and diagnostic techniques, herbal and complementary medicine, nutrition, pathophysiology and clinical diagnosis, pharmacology, professional practice, research and evidence-based practice
Recommended studies: Any two units of science

HEALTH SCIENCE (DIP)

Areas of study: Anatomy and physiology; biochemistry; bioscience; botany; counselling and communication; food science, systems and policy; herbal and complementary medicine; musculoskeletal anatomy; nutrition, society and public health; research and evidence-based practice
Requirements: None

REMEDIAL MASSAGE (DIP)

Areas of study: Clinic management, clinical reasoning, deep tissue massage and trigger points, general pathology, lymphatic facilitation, musculoskeletal assessment, myofascial release, professional practice, reflexology for relaxation, sport and athlete massage
Requirements: Certificate IV in Massage Therapy Practice

SPORT DEVELOPMENT (DIP)

Areas of study: Athlete health and wellbeing; coaching practices; developing sports participation; drugs in sport; essentials of sports marketing; event management; high performance training and injury management principles; risk, law and work health and safety; staff recruitment
Requirements: None

Australian Catholic University

www.acu.edu.au
CRICOS provider number 00004G, 00873F

Enquiries

Strathfield campus (Mt St Mary)

by post: AskACU Centre
Australian Catholic University
Locked Bag 2002
Strathfield NSW 2135

in person: AskACU Centre
25A Barker Road
Strathfield NSW 2135

telephone: 1300 ASK ACU (1300 275 228)
fax: (02) 9701 4284
email: askacu@acu.edu.au

North Sydney campus (MacKillop)

by post: AskACU Centre
Australian Catholic University
PO Box 968
North Sydney NSW 2059

in person: AskACU Centre
40 Edward Street
North Sydney NSW 2059

telephone: 1300 ASK ACU (1300 275 228)
fax: (02) 9739 2310
email: askacu@acu.edu.au

Canberra campus (Signadou)

by post: AskACU Centre
Australian Catholic University
PO Box 256
Dickson ACT 2602

in person: AskACU Centre
223 Antill Street
Watson ACT 2602

telephone: 1300 ASK ACU (1300 275 228)
fax: (02) 6209 1107
email: askacu@acu.edu.au

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

ACCOUNTING AND FINANCE

Areas of study: Accounting theory, auditing and assurance services, business economics, company law, entrepreneurial finance, financial accounting, financial risk management, social entrepreneurship, taxation law
Course prerequisites: Any two units of English

APPLIED PUBLIC HEALTH

Areas of study: Public health
Course prerequisites: Any two units of English

ARTS

Humanities

Areas of study: Business studies, drama, economics, education studies, geography, history, literature, mathematics, philosophy, politics and international relations, psychology, study of religions, technology (B Teaching/B Arts only), theological studies, visual arts
Assumed knowledge: *For study in mathematics:* Mathematics (other than General Mathematics)
Recommended studies: *For visual arts:* Visual Arts

BIOMEDICAL SCIENCE

Areas of study: Biomedical sciences
Course prerequisites: English (Standard), any two units of mathematics

BUSINESS ADMINISTRATION

Areas of study: Business law, economics, finance, human resource management, information systems, managing organisational change, marketing, organisational behaviour, social entrepreneurship, strategic management
Course prerequisites: Any two units of English

BUSINESS/COMMERCE AND MANAGEMENT

Areas of study: Accounting; business law; finance; human resource management; information systems; international business; management; marketing; occupational health, safety and environmental management; social entrepreneurship
Course prerequisites: Any two units of English

EDUCATION

Early Childhood Education (Birth to Five Years)

Course prerequisites: Any two units of English (Band 4), two units of Mathematics (Band 4)

Education (Early Childhood and Primary)

Course prerequisites: *NSW:* Three Band 5 HSC results including English
ACT: Major in English (T) minimum B grade and Major in Mathematics (T) minimum C grade
Recommended studies: *ACT:* Science (T)

Education (Primary)

Course prerequisites:
NSW: Three Band 5 HSC results including English
ACT: Major in English (T) minimum B grade and Major in Mathematics (T) minimum C grade
Recommended studies: *ACT:* Science (T) (Minor)Inclusive Education and Disability Studies
Requirements: None

Secondary – Exercise Science

Areas of study: Business studies, geography, history, humanities, languages other than English, literature, mathematics, music, visual arts
Course prerequisites: *ACT:* Major in English (T) minimum B grade and Major in Mathematics (T) minimum C grade. *For mathematics discipline studies: ACT:* Major-Minor in Specialist Mathematics (T) minimum C grade

Canberra campus only.

Secondary – Humanities

Areas of study: *Canberra:* Business studies, geography, history, humanities, languages other than English, literature, mathematics, music, visual arts *Strathfield:* Drama, economics, geography, history, literature, study of religions
Course prerequisites: *NSW:* Three Band 5 HSC results, including English

Secondary – Mathematics

Course prerequisites: Three Band 5 HSC results, including English

Secondary – Technology

Areas of study: Design and technology (common), food technology, industrial technology, textiles and design
Course prerequisites: Three Band 5 HSC results, including English

Secondary – Visual Arts

Course prerequisites: Three Band 5 HSC results, including English
Recommended studies: Visual Arts

Requirements for teaching courses are currently under review. Check with the University for specific requirements.

EXERCISE AND SPORTS SCIENCE

EXERCISE SCIENCE*

Areas of study: Exercise and sports science
Recommended studies: English (Advanced); Mathematics; Personal Development, Health and Physical Education (PDHPE) plus one of Biology, Chemistry or Physics

** Only available as a combined degree option, refer to Combined degree below.*

INTERNATIONAL DEVELOPMENT STUDIES

Areas of study: Global studies, international development studies, management and legal studies
Course prerequisites: Any two units of English

LAWS

LAWS (COMBINED)

The following combined Law courses are also offered:

- Laws/Arts
- Laws/Business Administration
- Laws/Biomedical Science
- Laws/Commerce
- Laws/Global Studies
- Laws/Psychological Science
- Laws/Theology

Course prerequisites: *For Law:* English (Standard) *For the other area of study:* Refer to the relevant entry

NURSING

Areas of study: Nursing
Requirements: None

OCCUPATIONAL THERAPY

Areas of study: Occupational therapy
Course prerequisites: English (Advanced) or English (Standard) (Band 4) or English as a Second Language (Band 4) plus at least one of Biology; Chemistry; Physics or Personal Development, Health and Physical Education (PDHPE)

PARAMEDICINE

Areas of study: Paramedicine
Requirements: None

PHYSICAL ACTIVITY AND HEALTH SCIENCE

Areas of study: Physical activity and health science
Recommended studies: English (Advanced); Mathematics; Personal Development, Health and Physical Education (PDHPE) plus one of Biology, Chemistry or Physics

PHYSIOTHERAPY

Areas of study: Physiotherapy
Course prerequisites: Any two units of English plus one of Biology, Chemistry or Physics

PSYCHOLOGICAL SCIENCE

Areas of study: Psychology
Course prerequisites: Any two units of English

SCIENCE*

Areas of study: Biology, chemistry, environment (NSW only), mathematics
Course prerequisites: *ACT:* English (major), Mathematics (any), Science (any), all results need to be accredited as T or H and be studied as a major. *NSW:* English (Standard) (Band 3), any two units of mathematics (Band 3) and any two units of science (Band 3)

**Subject to approval*

SOCIAL WORK

Areas of study: Social work
Course prerequisites: English (Advanced) or English (Standard) (Band 4) or English as a Second Language (Band 4)

SPEECH PATHOLOGY

Areas of study: Speech pathology
Course prerequisites: English (Advanced) or English (Standard) (Band 4) or English as a Second Language (Band 4) plus at least one of Biology; Chemistry; Physics, Personal Development, Health and Physical Education (PDHPE)

THEOLOGY

Areas of study: Biblical studies, Christian thought, liberal arts (including Philosophy)
Requirements: None

VISUAL ARTS AND DESIGN

Areas of study: 2D studies, 3D/4D object design, art and design history and theory, graphic design studio
Recommended studies: Visual Arts

COMBINED DEGREES

If you intend to undertake combined degrees, check the prerequisites, assumed knowledge and recommended studies for both degrees. Contact the University for further details.

- Applied Public Health/Global Studies
- Arts/Commerce
- Arts/Global Studies
- Arts/Laws
- Biomedical Science/Applied Public Health
- Biomedical Science/Business Administration
- Business Administration/Global Studies
- Business Administration/Laws
- Commerce/Business Administration
- Commerce/Global Studies
- Commerce/Laws
- Exercise Science/Business Administration
- Exercise Science/Public Health
- Information Technology/Business Administration
- Laws/Biomedical Science
- Laws/Global Studies
- Laws/Psychological Science
- Nursing/Business Administration
- Nursing/Paramedicine
- Teaching/Arts (Humanities)
- Teaching/Arts (Mathematics)
- Teaching/Arts (Technology)
- Teaching/Arts (Visual Arts)
- Teaching/Exercise Science
- Theology/Global Studies
- Theology/Philosophy
- Theology/Laws

Australian College of Applied Psychology

www.acap.edu.au
CRICOS provider number 01328A

Enquiries

by post: Australian College of Applied Psychology
Locked Bag 11
Strawberry Hills
Sydney NSW 2012

in person: *Until mid-2016:*
Level 5, Wynyard Green
11 York Street, Sydney NSW 2000
From mid-2016: 255 Elizabeth Street
Sydney NSW 2000

telephone: 1800 261 320
email: info.acap@navitas.com

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

COUNSELLING

Areas of study: Conflict resolution; counselling skills and theory; developmental psychology; social, legal and ethical frameworks; mental health policy and practice
Recommended studies: Any two units of English

PSYCHOLOGICAL SCIENCE

Areas of study: Intercultural diversity and Indigenous psychology, learning and memory, perception and cognition, psychology, psychopathology, social psychology
Recommended studies: Mathematics and any two units of English

SOCIAL SCIENCE

Areas of study: Applied psychology; ethics, culture and diversity; mental health; organisational theory; sociology
Recommended studies: Any two units of English

SOCIAL WORK

Areas of study: Contemporary society; government, public policy and civil society; human services; psychology; social work
Recommended studies: Any two units of English

YOUTH WORK

Areas of study: Family breakdown, homelessness, juvenile justice, mental health, young people in society and their development
Recommended studies: Any two units of English

Australian Maritime College

www.amc.edu.au
CRICOS provider number 00586B

Enquiries

by post: Admissions Office
Australian Maritime College
Locked Bag 1345
Launceston TAS 7250

in person: Prospective Student Adviser
Student Centre
Newnham TAS 7248

telephone: 1300 363 864
fax: (03) 6324 3026

READ THIS FIRST

When you read 'any two units of science' this can include Biology, Chemistry, Physics, Earth and Environmental Science or Senior Science.

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

APPLIED SCIENCE

Marine Environment
Marine Environment (Assoc Deg)
Course prerequisites: Mathematics General 2, any two units of English, any two units of science
Recommended studies: English (Standard) plus Biology or Chemistry

Maritime Technology Management
Course prerequisites: Mathematics General 2
Recommended studies: Mathematics plus Physics or Chemistry

BUSINESS

Maritime and Logistics Management
Maritime and Logistics Management (Assoc Deg)
Maritime and Logistics Management (Dip)
International Logistics (Freight Forwarding)
Requirements: None

ENGINEERING

Areas of study: Marine and offshore engineering, naval architecture, ocean engineering
Course prerequisites: Mathematics, any two units of science
Recommended studies: HSC Mathematics Extension 1 plus Physics or Chemistry

Bridging courses in Mathematics and Physics are available for students who have not completed these subjects. Visit www.utas.edu.au/future-students/preparation-programs for further information.

ENVIRONMENTAL SCIENCE

Aquaculture (Assoc Deg)
Assumed knowledge: Mathematics General 2, any two units of English
Recommended studies: Any two units of science

Australian National College of Beauty

www.ancb.edu.au
CRICOS provider number 00246M

Enquiries

by post: Australian National College of Beauty
235 Pyrmont Street
Pyrmont NSW 2009

in person: Australian National College of Beauty
235 Pyrmont Street
Pyrmont NSW 2009

telephone: 1300 885 385
email: via www.ancb.edu.au/contact
facebook: facebook.com/ancb.official
instagram: www.instagram.com/ancbcollege

READ THIS FIRST

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

BEAUTY THERAPY (DIP)

Areas of study: Aromatherapy, beauty therapy, relaxation massage, spa therapies
Requirements: None

Australian National University

www.anu.edu.au
CRICOS provider number 00120C

Australian National University

Enquiries

by post: Admissions Office
Building X-005
Australian National University
Canberra ACT 0200

in person: ANU Student Central
121 Marcus Clarke Street
(entry off Childers Street)
Acton ACT 2601

telephone: (02) 6125 5594 or
Freecall 1800 620 032
fax: (02) 6125 0751
email: domestic.admissions@anu.edu.au

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

ACCOUNTING

Areas of study: Accounting
Assumed knowledge: *ACT:* Mathematical Methods (Major)
NSW: Mathematics

ACTUARIAL STUDIES

Course prerequisites: *ACT:* Specialist Mathematics (Major/Minor) (160+)
NSW: HSC Mathematics Extension 1 (Band E3 or equivalent)
Recommended studies: *ACT:* Specialist Mathematics (Double Major)
NSW: HSC Mathematics Extension 2

ADVANCED COMPUTING (HONOURS)

Areas of study: Computational foundations, computing engineering, human-centric computing, information intensive computing, intelligent systems
Course prerequisites: *ACT:* Mathematical Methods (Major)
NSW: Mathematics
Recommended studies: *ACT:* Specialist Mathematics (Major/Minor)
NSW: HSC Mathematics Extension 1

ADVANCED COMPUTING (RESEARCH AND DEVELOPMENT) (HONOURS)

Areas of study: Computational foundations, computing engineering, human-centric computing, information intensive computing, intelligent systems
Course prerequisites: *ACT:* Specialist Mathematics (Major/Minor)
NSW: HSC Mathematics Extension 1
Recommended studies: *ACT:* Specialist Mathematics (Double Major)
NSW: HSC Mathematics Extension 2

ARTS

Archaeological Practice
Art History and Curatorship
Classical Studies
Criminology
Development Studies
Environmental Studies
European Studies
International Relations
Languages
Latin American Studies
Middle Eastern and Central Asian Studies
Policy Studies
Political Science

Areas of study: Ancient Greek, ancient history, anthropology, Arabic, archaeology, art history, art theory, Asian art history, biological anthropology, Chinese, contemporary Europe, criminology, development studies, English, environmental studies, European history, French, gender, geography, German, Hindi, history, Indonesian, international communications, international relations, Italian, Japanese, Korean, Latin, Latin American studies, linguistics, mathematics, Middle Eastern and Central Asian studies, music, Persian, philosophy, political science, psychology, Sanskrit, sexuality and culture, sociology, Spanish language and culture, Thai, Urdu, Vietnamese, visual arts practice
Requirements: None

Politics, Philosophy and Economics

Assumed knowledge: *ACT:* Mathematical Methods (Major)
NSW: Mathematics

ASIAN STUDIES

Areas of study: Arabic, Asian history, Asia-Pacific politics, Asia-Pacific security studies, Chinese language, Chinese studies, French language and culture, Hindi, Indonesian, Indonesian studies, Japanese, Japanese linguistics, Japanese studies, Korean, Linguistics, Middle Eastern and Central Asia studies, Northeast Asian studies, Pacific studies, Peace and conflict studies, Sanskrit, South Asian studies, Southeast Asian studies, Spanish, Thai, Urdu, Vietnamese
Requirements: None

BIOTECHNOLOGY

Areas of study: Biochemistry, bioinformatics, biotechnology, chemistry, genetics, microbiology, molecular biology
Course prerequisites: *ACT:* Chemistry (Major) *NSW:* Chemistry

BUSINESS ADMINISTRATION

Areas of study: Business, international business, leadership, management, marketing
Requirements: None

COMMERCE

Areas of study: Accounting, business information systems, corporate sustainability, finance, international business, management, marketing
Assumed knowledge: *ACT:* Mathematical Methods (Major)
NSW: Mathematics

COMPUTING (DIP)

Areas of study: Databases, information systems, programming
Course prerequisites: *ACT:* Mathematical Methods (Major)
NSW: Mathematics

DATA, STATISTICS AND SOCIETY

Areas of study: Computer science, databases, data science, programming, sociology, social science, statistics
Assumed knowledge: *ACT:* Mathematical Methods (Major)
NSW: Mathematics

DESIGN ARTS

Areas of study: Ceramics, furniture, glass, gold and silversmithing, textiles
Additional selection criteria: Interview, portfolio

ECONOMICS

Areas of study: Econometrics, economic history, economics, finance, statistics
Assumed knowledge: *ACT:* Mathematical Methods (Major)
NSW: Mathematics

ENGINEERING (HONOURS)

Areas of study: Biomedical systems, electronics and communication systems, mechanical and material systems, mechatronic systems, photonics systems, renewable energy systems, sustainable systems
Course prerequisites: *ACT:* Mathematical Methods (Major)
NSW: Mathematics
Assumed knowledge: *ACT:* Physics (Major) *NSW:* Physics
Recommended studies: *ACT:* Specialist Mathematics (Major/Minor)
NSW: HSC Mathematics Extension 1

ENGINEERING (RESEARCH AND DEVELOPMENT) (HONOURS)

Areas of study: Biomedical systems, electronics and communication systems, mechanical and material systems, mechatronic systems, photonics systems, renewable energy systems, sustainable systems
Course prerequisites: *ACT:* Specialist Mathematics (Major/Minor)
NSW: HSC Mathematics Extension 1
Assumed knowledge: *ACT:* Physics (Major) *NSW:* Physics
Recommended studies: *ACT:* Specialist Mathematics (Double Major)
NSW: HSC Mathematics Extension 2

FINANCE

Areas of study: Asian capital markets, capital markets, quantitative finance
Assumed knowledge: *ACT:* Mathematical Methods (Major)
NSW: Mathematics

FINANCE, ECONOMICS AND STATISTICS (HONOURS)

Course prerequisites: *ACT:* Specialist Mathematics (Major/Minor) (160+)
NSW: HSC Mathematics Extension 1 (Band E3 or equivalent)
Recommended studies: *ACT:* Specialist Mathematics (Double Major)
NSW: HSC Mathematics Extension 2

GENETICS

Areas of study: Bioinformatics, evolutionary genetics, genetics, mendelian, molecular and medical genetics, population
Course prerequisites: *ACT:* Chemistry (Major) *NSW:* Chemistry

INFORMATION TECHNOLOGY

Areas of study: Information systems, software development
Course prerequisites: *ACT:* Mathematical Methods (Major)
NSW: Mathematics

INTERNATIONAL BUSINESS

Areas of study: Asian, European, Latin American or Middle Eastern languages and contextual studies
Assumed knowledge: *ACT:* Mathematical Methods (Major)
NSW: Mathematics

INTERNATIONAL SECURITY STUDIES

Areas of study: International security
Requirements: None

Study of security and foreign policy issues is also possible in the Arts and Asian Studies degrees.

LANGUAGES

Areas of study: Ancient Greek, Arabic, Chinese, French, German, Hindi, Indonesian, Italian, Japanese language or linguistics, Korean, Latin, Persian, Sanskrit, Spanish, Thai, Urdu, Vietnamese
Requirements: None

LAW

Requirements: None

LIBERAL STUDIES (DIP)

Areas of study: Anthropology, criminology, development studies, English, history, international relations, philosophy, political science, sociology
Requirements: None

MATHEMATICAL SCIENCES

Areas of study: Mathematics
Course prerequisites: *ACT:* Specialist Mathematics (Double Major)
NSW: HSC Mathematics Extension 2.

MEDICAL SCIENCE

Areas of study: Biochemistry, genetics, immunology, medical science, microbiology, molecular biology, physiology
Course prerequisites: *ACT:* Chemistry (Major) *NSW:* Chemistry

MUSIC

Areas of study: Creative musicianship (including composition), musicology (including ethnomusicology), performance
Additional selection criteria: Some music courses require an audition

PACIFIC STUDIES

Areas of study: Anthropology, archaeology, Chinese, development studies, environmental and landscape studies, French language and culture, gender, sexuality and culture, geography, German language and culture, Hindi, history, Indonesian, international relations, Japanese, natural resource management, Pacific studies, political science, sociology, Spanish, sustainability science
Requirements: None

SCIENCE

Areas of study: Astronomy and astrophysics, biological anthropology, biology, chemistry, computational modelling, computer science, earth and environmental science, environmental modelling, environmental policy, forest science, geography, geology, geophysics, global change science, human ecology, material science, mathematical economics, mathematical finance, mathematical physics, mathematics, mathematics and statistics, neuroscience, physics, psychology, quantitative biology and bioinformatics, science communication, statistics, sustainability science, theoretical physics, water science and policy
Subject prerequisites and assumed knowledge: Some science courses have subject prerequisites or assumed knowledge of Mathematics, Physics or Chemistry. For further information, visit http://programsandcourses.anu.edu.au

Environment and Sustainability

Areas of study: Environmental science, resource and environmental management, sustainability science
Requirements: None

Psychology

Areas of study: Specialising in the areas of abnormal, biological, cognitive, developmental and social psychology and including a major from science or another faculty
Requirements: None

SOCIAL SCIENCE (HONOURS IN ACTUARIAL STUDIES AND ECONOMICS)

Areas of study: Accounting, actuarial studies, economics, finance, statistics
Course prerequisites: *ACT:* Specialist Mathematics (Major/Minor) (160+)
NSW: HSC Mathematics Extension 1 (Band E3 or equivalent)
Recommended studies: *ACT:* Specialist Mathematics (Double Major)
NSW: HSC Mathematics Extension 2

SOFTWARE ENGINEERING (HONOURS)

Areas of study: Computer systems, design and development, programming, software analysis, software engineering practice
Course prerequisites: *ACT:* Mathematical Methods (Major)
NSW: Mathematics
Recommended studies: *ACT:* Specialist Mathematics (Major/Minor)
NSW: HSC Mathematics Extension 1

STATISTICS

Areas of study: Applied probability, business statistics, econometrics, financial statistics, psychological or social research methods, statistical methodology

Course prerequisites: *ACT:* Specialist Mathematics (Major/Minor) (160+)
NSW: HSC Mathematics Extension 1 (Band E3 or equivalent)
Recommended studies: *ACT:* Specialist Mathematics (Double Major)
NSW: HSC Mathematics Extension 2

VISUAL ARTS

Areas of study: Animation and video, ceramics, furniture, glass, gold and silversmithing, painting, photomedia, print media and drawing, sculpture, textiles
Additional selection criteria: Interview, portfolio, drawing session

FLEXIBLE DOUBLE DEGREES

The Australian National University offers flexible double degrees, which allow you to choose from hundreds of possible combinations across three groups:

- Arts, Social Sciences, Business and Science (4 years)
- Engineering or Advanced Computing (5 years)
- Law (5 years)

allowing you to combine any two courses, for which you meet the cut-off, from the group.

** Courses below marked with an asterisk include prerequisites and/or additional selection criteria – see main area of study for requirements.*

Flexible Double Arts, Social Sciences, Business and Science

By selecting this group as a preference, you can choose any two of the following Bachelor degrees at the time of accepting your offer:

- Accounting
- Actuarial Studies*
- Archaeological Practice
- Art History and Curatorship
- Arts
- Asian Studies
- Biotechnology* (cannot be combined with Genetics or Medical Science)
- Business Administration
- Classical Studies
- Commerce
- Criminology
- Data, Statistics and Society
- Design Arts*
- Development Studies
- Economics
- Environment and Sustainability
- Environmental Studies
- European Studies
- Finance
- Genetics* (cannot be combined with Biotechnology or Medical Science)
- Information Technology*
- International Relations
- International Security Studies
- Languages
- Latin American Studies
- Mathematical Sciences*
- Medical Science* (cannot be combined with Biotechnology or Genetics)
- Middle Eastern and Central Asian Studies
- Music*
- Pacific Studies
- Policy Studies
- Political Science
- Politics, Philosophy and Economics
- Science
- Science (Psychology)
- Statistics*
- Visual Arts*

Flexible Double Engineering or Advanced Computing

By selecting this group as a preference, you can choose any one of the following Bachelor degrees:

- Advanced Computing (Hons)*
- Advanced Computing (Research and Development) (Hons)*
- Engineering (Hons)*
- Engineering (Research and Development) (Hons)*
- Software Engineering (Hons)*

plus any one of the following Bachelor degrees at the time of accepting your offer:

- Actuarial Studies*
- Arts
- Asian Studies
- Biotechnology*
- Business Administration
- Commerce
- Data, Statistics and Society
- Economics
- Environment and Sustainability
- Finance
- Genetics*
- Information Technology* (cannot be combined with Software Engineering or Advanced Computing)
- International Security Studies
- Mathematical Sciences*
- Pacific Studies
- Science
- Science (Psychology)
- Statistics*

Flexible Double Law

By selecting this group as a preference, you choose Law plus any one of the following Bachelor degrees at the time of accepting your offer:

- Accounting
- Actuarial Studies*
- Archaeological Practice
- Art History and Curatorship
- Arts
- Asian Studies
- Biotechnology*
- Business Administration
- Classical Studies
- Commerce
- Criminology
- Data, Statistics and Society
- Design Arts*
- Development Studies
- Economics
- Environment and Sustainability
- Environmental Studies
- European Studies
- Finance
- Genetics*
- Information Technology*
- International Relations
- International Security Studies
- Languages
- Latin American Studies
- Mathematical Sciences*
- Medical Science*
- Middle Eastern and Central Asian Studies
- Music*
- Pacific Studies
- Policy Studies
- Political Science
- Politics, Philosophy and Economics
- Science
- Science (Psychology)
- Statistics*
- Visual Arts*

VERTICAL DEGREES

The Australian National University offers a range of vertical (Bachelor/Master) options. Visit http://programsandcourses.anu.edu.au to view the vertical degree combinations currently available. Refer to the single bachelor degree entry for course prerequisites, major studies and other requirements.

UNDERGRADUATE RESEARCH DEGREES

The Australian National University offers the following undergraduate research degrees:

- B Advanced Computing (Research and Development) (Hons)
- B Engineering (Research and Development) (Hons)
- B Philosophy (Hons) Arts*
- B Philosophy (Hons) Science*
- B Philosophy (Hons) Asian Studies

** B Philosophy courses are also available as joint degrees with the National University of Singapore. Contact the Australian National University for more information about these courses.*

Billy Blue College of Design at Torrens University

www.billyblue.edu.au
CRICOS provider number 03389E

Enquiries

by post: Billy Blue College of Design at Torrens University
Level 1, 46–52 Mountain Street
Ultimo NSW 2007

in person: Level 1, 46–52 Mountain Street
Ultimo NSW 2007

telephone: 1300 851 245
email: info@billyblue.edu.au
facebook: www.facebook.com/BillyBlueCollegeofDesign
instagram: www.instagram.com/billybluecollegeofdesign

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

BRANDED FASHION DESIGN

Areas of study: Colour and material theory, design development and costing, fashion buying and merchandise planning, fashion illustration and technical drawing, fashion production, print design and theory
Recommended studies: Textiles and Design, Visual Arts

BUSINESS AND DESIGN (DOUBLE DEGREE)

Recommended studies: Visual Arts

COMMUNICATION DESIGN

Areas of study: Design and typographic fundamentals, moving image and 3D design and production, packaging and branding
Recommended studies: Visual Arts

DESIGN (DIP)

Areas of study: Branded fashion, communication design, design fundamentals, digital media, interior design, moving image and 3D design and production
Requirements: None

DIGITAL MEDIA DESIGN

Interaction Design
Motion Design
3D Design and Animation

Recommended studies: Information Processes and Technology, Visual Arts

DIGITAL MEDIA DESIGN (DIP)

Areas of study: Design fundamentals, concept development, interactive design, motion design, 3D design and animation
Recommended studies: Information Processes and Technology, Visual Arts

INTERIOR DESIGN

Commercial
Residential

Recommended studies: Visual Arts

CATC Design School

www.catc.edu.au
CRICOS provider number 00246M

Enquiries

by post: CATC Design School
Ultimo Campus
46–52 Mountain Street
Ultimo NSW 2007

in person: Ultimo Campus
Level 1, 46–52 Mountain Street
Ultimo NSW 2007

telephone: 1300 661 111
email: enquiries@catc.edu.au
facebook: www.facebook.com/catcdesignschool
instagram: www.instagram.com/catcdesignschool

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

PHOTO IMAGING (DIP)

Areas of study: Photo imaging, video, lighting
Recommended studies: Design and Technology, Visual Arts
Additional selection criteria: Portfolio and questionnaire

GRAPHIC DESIGN (DIP)

Areas of study: Graphic design
Recommended studies: Design and Technology, Visual Arts
Additional selection criteria: Portfolio and questionnaire

INTERIOR DESIGN AND DECORATION (DIP)

Areas of study: Interior design and decoration
Recommended studies: Design and Technology, Textiles and Design, Visual Arts

Charles Sturt University

www.csu.edu.au
CRICOS provider number 00005F

Enquiries

by post: info.csu
Charles Sturt University
Panorama Avenue
Bathurst NSW 2795

telephone: 1800 334 733
fax: (02) 6338 6001

In person

Albury-Wodonga campus
Prospective Student Adviser
Building 673
Elizabeth Mitchell Drive
Thurgoona NSW 2640

Bathurst campus
Prospective Student Adviser
Building 1396
Panorama Ave
Bathurst NSW 2795

Canberra campus (Theology students)
Dean of Students
St Mark's National Theological Centre
15 Blackall Street
Barton ACT 2600

Dubbo campus
Course enquiries
Tony McGrane Place
Dubbo NSW 2830

Orange campus
Prospective Student Adviser
Leeds Parade
Orange NSW 2800

Parramatta campus (Theology students)
United Theological College
16 Masons Drive
North Parramatta NSW 2151

Port Macquarie campus
Prospective Student Adviser
7 Major Innes Road
Port Macquarie NSW 2444

Wagga Wagga campus
Prospective Student Adviser
Building 481
Boorooma Street
Wagga Wagga NSW 2650

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

AGRICULTURAL BUSINESS MANAGEMENT

Areas of study: Agricultural business management (farm, horticultural, land, viticultural)
Requirements: None

AGRICULTURE

Areas of study: Agribusiness, agronomy, livestock production
Assumed knowledge: Mathematics General 2, Senior Science
Recommended studies: Biology and/or Chemistry, Mathematics

ANIMAL SCIENCE

Animal Science

Areas of study: Animal production and management, biomedical science, equine science and management, wildlife conservation and management
Assumed knowledge: Chemistry, Mathematics

Equine Science

Areas of study: Equine nutrition, equine breeding and management, equine health and welfare, equine science, equine exercise physiology
Assumed knowledge: Chemistry, Mathematics

APPLIED SCIENCE

Outdoor Recreation and Ecotourism
Parks, Recreation and Heritage

Requirements: None

ARTS

Areas of study: Art history, community development and human services, English, history, Indigenous studies, philosophy, politics, policy studies, psychology, sociology
Requirements: None

BUSINESS

Accounting
Business Studies
Management
Marketing

Assumed knowledge: Mathematics

COMMUNICATION AND CREATIVE INDUSTRIES

Acting

Additional selection criteria: Audition, course consultation

Advertising
Public Relations
Radio

Recommended studies: Any two units of English. Business Studies

Animation and Visual Effects
Art History
Graphic Design
Photography
Sound Design
Stage and Screen Design
Television

Recommended studies: Design and Technology or Visual Arts

Journalism

Recommended studies: English (Advanced)

Theatre Media

Additional selection criteria: Audition, course consultation

EDUCATION

Early Childhood and Primary
Health and Physical Education
Outdoor Education

Assumed knowledge: Entry standards for initial teacher education courses are three Band 5 results including English in the NSW Higher School Certificate or equivalent. CSU courses are designed and accredited with an alternate entry as all students undertake core discipline studies in the first two years of study equivalent to three Band 5 results including English and Mathematics, before undertaking curriculum and professional studies.
Recommended studies: Any two units of mathematics

K–12

Areas of study: Business studies, English, history, mathematics or science
Assumed knowledge: Entry standards for initial teacher education courses are three Band 5 results including English in the NSW Higher School Certificate or equivalent. CSU courses are designed and accredited with an alternate entry as all students undertake core discipline studies in the first two years of study equivalent to three Band 5 results including English and Mathematics, before undertaking curriculum and professional studies.
Recommended studies: Any two units of mathematics

Technology and Applied Studies

Areas of study: Design and technology plus either agriculture (includes biology), food, industrial technology information technology (software design, information systems). Food and industrial technology specialists can also choose an additional teaching area in textiles, graphics and multimedia, food or industrial technology.
Assumed knowledge: Entry standards for initial teacher education courses are three Band 5 results including English in the NSW Higher School Certificate or equivalent. CSU courses are designed and accredited with an alternate entry as all students undertake core discipline studies in the first two years of study equivalent to three Band 5 results including English and Mathematics, before undertaking curriculum and professional studies.
Recommended studies: Any two units of mathematics, Design and Technology *For agriculture and food technology:* Chemistry

ENGINEERING

Areas of study: Entrepreneurship, structures, transport and infrastructure, water resources
Assumed knowledge: Any two units of English, any two units of mathematics
Recommended studies: Chemistry, Physics
Additional selection criteria: Supplementary application form, interview

High-achieving students without an extensive mathematics background can still be accommodated in this program. A minimum level of familiarity with calculus is necessary.

ENVIRONMENTAL SCIENCE

Environmental Science and Management

Recommended studies: Geography or any two units of science

Outdoor Recreation and Ecotourism
Parks, Recreation and Heritage

Requirements: None

EXERCISE SCIENCE

Areas of study: Exercise science, sports journalism, sports management, sports science, teaching
Assumed knowledge: Any two units of English, any two units of mathematics
Recommended studies: Any two units of science

HEALTH SCIENCE

Clinical Practice (Paramedic)

Assumed knowledge: Biology, Mathematics plus any two units of English
Recommended studies: Senior Science, first-aid training and medical terminology

Clinical Science

Assumed knowledge: Chemistry, Mathematics

Dental Science

Assumed knowledge: Chemistry, Mathematics, Physics
Recommended studies: English (Standard)
Additional selection criteria: Refer to www.csu.edu.au/courses/dental-science

Health and Rehabilitation Science

Assumed knowledge: English (Standard)
Recommended studies: Biology

Occupational Therapy

Assumed knowledge: English (Standard)
Recommended studies: Biology

Oral Health (Therapy and Hygiene)

Assumed knowledge: Chemistry, English (Standard)
Recommended studies: Biology
Additional selection criteria: Supplementary application form

Podiatric Medicine

Assumed knowledge: English (Standard)
Recommended studies: Biology, Mathematics

Physiotherapy

Assumed knowledge: Biology, English (Standard), Mathematics
Recommended studies: Physics

Speech and Language Pathology

Assumed knowledge: Biology, English (Standard)

INFORMATION TECHNOLOGY

Computer Science

Areas of study: Computer science, games programming
Assumed knowledge: Mathematics

Information Technology

Areas of study: Business analysis, network engineering, software design and development, systems administration
Requirements: None

MEDICAL RADIATION SCIENCE

Areas of study: Medical imaging, nuclear medicine, radiation therapy
Assumed knowledge: Mathematics, Physics

MEDICAL SCIENCE

Areas of study: Biotechnology, clinical physiology, medical science, pathology
Assumed knowledge: Chemistry, Mathematics

NURSING

Assumed knowledge: English (Standard) plus any two units of science
Recommended studies: Biology; Mathematics; Personal Development, Health and Physical Education (PDHPE); first-aid certificate; mental health first-aid certificate

PHARMACY

Assumed knowledge: Chemistry, Mathematics
Recommended studies: Biology

PSYCHOLOGY

Areas of study: Social science (psychology), psychology
Requirements: None

SCIENCE

Areas of study: Biology, chemistry, mathematics, microbiology and immunology, physics, plant science, spatial science
Assumed knowledge: Mathematics plus any two units of science
Recommended studies: Chemistry or Physics

General Studies (Science)

Requirements: None

SOCIAL SCIENCE

Areas of study: Criminal justice, psychology
Requirements: None

SOCIAL WORK

Areas of study: Social work
Requirements: None

THEOLOGY

Areas of study: Biblical studies, church history, systematic and practical theology
Requirements: None

VETERINARY SCIENCE

Veterinary Biology / Veterinary Science

Assumed knowledge: Chemistry, Mathematics
Additional selection criteria: Interview, supplementary application form

Veterinary Technology

Areas of study: Clinical technology, large animal technology, practice management
Assumed knowledge: Chemistry, Mathematics

COMBINED DEGREES

If you intend to undertake combined degrees, check the additional selection criteria, assumed knowledge and recommended studies for both degrees. Contact the University for further details.

Charles Sturt University currently offers combined degrees in:

- Advertising/Marketing
- Nursing/Clinical Practice (Paramedic)
- Psychology/Business (Management)
- Psychology/Business (Marketing)
- Public Relations/Business Studies
- Sports Studies/Journalism

CQUniversity

www.cqu.edu.au
CRICOS provider number 00219C

Enquiries

by post: Student Admissions
Central Queensland University
400 Kent Street
Sydney NSW 2000

in person: Student Admissions
400 Kent Street
Sydney NSW 2000

telephone: 13 CQUni (13 27 86)
email: via http://contactus.cqu.edu.au

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

ACCIDENT FORENSICS

Areas of study: Accident analysis, accident phenomenology, forensic engineering, investigation methods, occupational health and safety
Recommended studies: Biology, Chemistry, English (Standard), Physics

ACCOUNTING

Areas of study: Accounting, business computing, contract law, organisational behaviour, marketing
Recommended studies: English (Standard), Mathematics

ARTS
ARTS (DIP)

Areas of study: Aboriginal and Torres Strait Islander studies, Australian history, community practice, creative writing, geography and environmental studies, international history, journalism, liberal studies, literary and cultural studies, policy power and place, psychology, sociology
Course prerequisites: English (Standard)

AVIATION (TECHNOLOGY)
AVIATION (ASSOC DEG)
AVIATION THEORY (DIP)

Areas of study: Aerodynamics, air service operations, air traffic control, aircraft systems, airspace classifications, flight service and handling emergencies, meteorology, navigation, pilot licences and ratings
Course prerequisites: English (Standard), Mathematics

BUILDING DESIGN
BUILDING DESIGN (ASSOC DEG)

Areas of study: Design of residential and commercial buildings
Recommended studies: Mathematics, any two units of English

BUILDING SURVEYING AND CERTIFICATION (HONOURS)
BUILDING SURVEYING (ASSOC DEG)

Areas of study: Assessment of construction for compliance
Recommended studies: English (Standard), Mathematics

BUSINESS
BUSINESS (DIP)

Areas of study: Accounting, human resources management, information systems, management, marketing, property, public relations, supply chain management
Recommended studies: English (Standard), Mathematics

CONSTRUCTION MANAGEMENT (HONOURS)

Areas of study: Building materials, building law and regulations, building systems, built environment, contracts, cost planning and control, geotechnical studies, professional practice, structural forms
Recommended studies: English (Standard), Mathematics

DIGITAL MEDIA

Areas of study: Digital design, graphic design, interactive media, journalism, technology and media, video and animation
Course prerequisites: English (Standard)

ECHOCARDIOGRAPHY (CARDIAC PHYSIOLOGY)

Areas of study: Adult echocardiography, cardiac physiology, foetal echocardiography, paediatric cardiovascular, vascular sonography
Recommended studies: Biology, Mathematics, Physics

ENGINEERING (HONOURS)
ENGINEERING (ASSOC DEG)

Areas of study: *For Engineering (Hons):* Civil, electrical, mechanical, mining, mechatronics *For Engineering (Assoc Deg):* Engineering geology
Course prerequisites: *For Engineering (Hons):* English (Standard), Mathematics
Recommended studies: *For Engineering (Assoc Deg):* English (Standard), Mathematics

ENGINEERING TECHNOLOGY

Areas of study: Engineering: civil, electrical, mechanical
Course prerequisites: English (Standard), Mathematics

ENVIRONMENTAL SCIENCE

Areas of study: Ecologically sustainable development, environmental monitoring and management
Course prerequisites: English (Standard)
Recommended studies: Biology, Chemistry, Social Science

EXERCISE AND SPORTS SCIENCE

Areas of study: Anatomy, biomechanics, motor control, physiology, psychology
Recommended studies: Biology, English (Standard), Mathematics, Physical Education

HEALTH SCIENCE (ALLIED HEALTH)

Areas of study: Human body systems, the role of allied health practitioners and healthcare in contemporary society
Course prerequisites: English (Standard)
Recommended studies: Biology, Chemistry, Physics

INFORMATION TECHNOLOGY
INFORMATION TECHNOLOGY CO-OP
INFORMATION TECHNOLOGY (ASSOC DEG)
INFORMATION TECHNOLOGY (DIP)

Areas of study: Application development, business analysis, network security
Course prerequisites: English (Standard) *For Information Technology (Dip):* None

LAWS

Areas of study: Administrative law, contracts, constitutional law, corporations law, criminal law, jurisprudence, torts
Course prerequisites: English (Standard)

MEDICAL SCIENCE

Areas of study: Biotechnology, clinical investigation, nutrition, pathology
Recommended studies: Biology, Chemistry, English (Standard), Mathematics, Physics

MEDICAL SONOGRAPHY

Areas of study: Abdominal sonography, musculoskeletal sonography, superficial structures in ultrasound, ultrasound obstetrics and gynaecology, vascular sonography
Recommended studies: Biology, Mathematics, Physics

NURSING

Areas of study: Nursing
Course prerequisites: English (Standard)
Recommended studies: Biology, Chemistry, Mathematics

OCCUPATIONAL HEALTH AND SAFETY
OCCUPATIONAL HEALTH AND SAFETY (ASSOC DEG)

Areas of study: Environmental studies, human factors, liberal studies, occupational health and safety, public health, safety science
Recommended studies: Biology, Chemistry, English (Standard), Physics

PROFESSIONAL COMMUNICATION

Areas of study: Communication, human resource management, information systems, management, marketing
Course prerequisites: English (Standard)

PSYCHOLOGICAL SCIENCE

Areas of study: Data analysis, human development, psychology, research methods
Course prerequisites: English (Standard)

PODIATRY PRACTICE (HONOURS)

Areas of study: Anatomy, biomechanics, physiology, psychology, pharmacology, podiatry
Recommended studies: English (Standard), Biology, Chemistry or Physics

PROPERTY

Areas of study: Property finance, property management, property valuation
Recommended studies: English (Standard), Mathematics

PUBLIC HEALTH
PUBLIC HEALTH (ASSOC DEG)

Areas of study: Environmental health, environmental science, exercise science, health promotion, Indigenous studies, management and human resources, nutrition science, occupational health and safety
Recommended studies: Biology, Chemistry, English (Standard), Physics

SCIENCE

Areas of study: Applied biology, applied chemistry.
Course prerequisites: English (Standard)
Recommended studies: Biology, Chemistry, Mathematics

SCIENCE (CHIROPRACTIC)

Areas of study: Chemistry fundamentals, foundations of biochemistry, foundations of chiropractic
Course prerequisites: English (Standard)
Recommended studies: Biology, Chemistry, Physics

SOCIAL WORK (HONOURS)

Areas of study: Advocacy, counselling, crisis intervention, social justice
Course prerequisites: English (Standard)

COMBINED DEGREES

If you intend to undertake combined degrees, check the prerequisites, assumed knowledge and recommended studies for both degrees. Contact the University for further details.

- Accounting/Business
- Arts/Business
- Business/Professional Communication
- Laws/Accounting
- Laws/Arts.

Griffith University

www.griffith.edu.au
CRICOS provider number 00233E

Enquiries

by post: Student Administration
Griffith University
PMB 50
Gold Coast Mail Centre QLD 9726

in person: Student Administration
Gold Coast campus
Parklands Drive
Southport QLD 4215

Freecall: 1800 677 728
fax: (07) 5552 8706
email: domesticenquiries@griffith.edu.au
or www.griffith.edu.au/ask-us
facebook: www.facebook.com/griffithuniversity
twitter: twitter.com/griffith_uni

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

ARCHITECTURAL DESIGN

Course prerequisites: Any two units of English
Recommended studies: Mathematics General 2 or Mathematics

ARTS

Areas of study: Creative writing, history (including studies in Australian history, Indigenous studies, world history and the history of terrorism), Indigenous studies, Islam–West relations, journalism, languages (including studies in Chinese, Italian, Japanese, Modern Greek and Spanish), literary studies, politics and international studies, public relations, screen studies, security studies, sociology. Students can take majors offered at another campus. Modern Greek can be taken online via cross-institutional study with Flinders University, South Australia.
Course prerequisites: Any two units of English

BIOMEDICAL SCIENCE
BIOMEDICAL SCIENCE WITH HONOURS

Course prerequisites: Any two units of English
Assumed knowledge: Mathematics and one of Biology, Chemistry or Physics

BUSINESS

Areas of study: ***Gold Coast:*** Asian business, employment relations, entrepreneurship and self-employment, event management, human resource management, international business, logistics and supply chain management, management, marketing, real estate and property development, sport management, tourism management
Distance Education: Human resource management, management
Course prerequisites: Any two units of English

CHILD AND FAMILY STUDIES

Course prerequisites: Any two units of English

COMMERCE

Areas of study: Accounting, economics, finance, financial planning
Course prerequisites: Any two units of English

COMPUTER SCIENCE

Areas of study: Data science and artificial intelligence, software engineering
Course prerequisites: Any two units of English
Assumed knowledge: Mathematics

COUNSELLING

Course prerequisites: Any two units of English

CREATIVE AND INTERACTIVE MEDIA

Course prerequisites: Any two units of English

CRIMINOLOGY AND CRIMINAL JUSTICE

Course prerequisites: Any two units of English

DESIGN

Course prerequisites: Any two units of English

EDUCATION

Areas of study: Primary education, secondary education
Course prerequisites: Any two units of English (Band 4 or higher), plus one of Mathematics General 2, Mathematics, HSC Mathematics Extension 1 or HSC Mathematics Extension 2 (Band 4 or higher),
For Primary: Students selecting Primary education from Year 2 will also need to have completed any two units of science (Band 4 or higher)
For Secondary: Students select teaching areas that they have successfully studied at in their senior schooling. In particular, for the mathematics teaching areas Mathematics or HSC Mathematics Extension 1 or HSC Mathematics Extension 2 and for chemistry, physics or biology teaching areas: Biology, Chemistry or Physics respectively.

ENGINEERING WITH HONOURS

Areas of study: Civil, electrical, mechanical
Course prerequisites: Mathematics and any two units of English
Recommended studies: One of Physics, Chemistry, HSC Mathematics Extension 1 or HSC Mathematics Extension 2

ENVIRONMENTAL SCIENCE

Areas of study: Ecology and conservation, environmental management, soil and water science, urban environments
Course prerequisites: Any two units of English
Assumed Knowledge: Mathematics General 2 or Mathematics
Recommended studies: One of Biology, Chemistry or Physics

EXERCISE SCIENCE
EXERCISE SCIENCE/MASTER OF PHYSIOTHERAPY

Course prerequisites: Any two units of English, plus one of Biology, Chemistry, Physics or Mathematics

GOVERNMENT AND INTERNATIONAL RELATIONS

Areas of study: International Relations, Politics and Public Policy
Course prerequisites: Any two units of English

HEALTH SCIENCE

Course prerequisites: Any two units of English
Assumed knowledge: One of Biology, Chemistry, Physics or Mathematics

HUMAN SERVICES

Course prerequisites: Any two units of English

INDUSTRIAL DESIGN

Course prerequisites: Any two units of English
Assumed knowledge: Mathematics General 2 or Mathematics

INFORMATION TECHNOLOGY

Areas of study: Information systems, networks, network and security
Course prerequisites: Any two units of English
Assumed knowledge: Mathematics General 2 or Mathematics

INTERNATIONAL BUSINESS

Course prerequisites: Any two units of English

INTERNATIONAL TOURISM AND HOTEL MANAGEMENT

Areas of study: Hospitality management, tourism management
Course prerequisites: Any two units of English

JOURNALISM

Areas of study: Creative writing, crime and justice, economics, event management, historical studies, Indigenous studies, Islam–West relations, marketing, photomedia, politics and international studies, popular music, public relations, screen studies, sociology, sport management, tourism
Course prerequisites: Any two units of English

LANGUAGES AND LINGUISTICS

Areas of study: Chinese, Italian, Japanese, Linguistics, Spanish. Students can undertake languages available at other campuses. Modern Greek can be taken via cross-institutional study online through Flinders University.
Course prerequisites: Any two units of English

LAW

Course prerequisites: Any two units of English

LAW (COMBINED)

The following combined Law courses are available:

- Arts/Law
- Business/Law
- Commerce/Law
- Criminology and Criminal Justice/Law
- Environmental Science/Law
- Government and International Relations/Law
- International Business/Law
- Pharmacology and Toxicology/Law
- Psychological Science/Law

Course prerequisites: Any two units of English
Assumed knowledge: *For Environmental Science/Law:* Mathematics General 2 or Mathematics
For Pharmacology and Toxicology/Law: One of Mathematics, HSC Mathematics Extension 1 or HSC Mathematics Extension 2 plus one of Biology, Chemistry or Physics
For other combined law courses: None
Recommended studies: *For Environmental Science/Law:* One of Biology, Chemistry or Physics

MARINE SCIENCE

Areas of study: Coastal physical science, coastal resources management, marine chemical sciences, marine ecology
Course prerequisites: Any two units of English
Assumed knowledge: Mathematics or Mathematics General 2
Recommended studies: One of Biology, Chemistry or Physics

MEDICAL LABORATORY SCIENCE

Course prerequisites: Mathematics and any two units of English, plus one of Biology, Chemistry or Physics

MEDICAL SCIENCE

Course prerequisites: Any two units of English
Assumed knowledge: Mathematics, plus one of Biology, Chemistry or Physics

NURSING

Course prerequisites: Any two units of English

NUTRITION AND DIETETICS

Course prerequisites: Any two units of English
Assumed knowledge: Biology, Chemistry, Mathematics

OCCUPATIONAL THERAPY

Course prerequisites: Any two units of English plus one of Biology, Chemistry or Physics

ORAL HEALTH IN DENTAL SCIENCE

Course prerequisites: Mathematics and any two units of English, plus one of Biology, Chemistry, Physics

ORAL HEALTH IN DENTAL TECHNOLOGY

Course prerequisites: Any two units of English
Assumed knowledge: One of Biology, Chemistry, Physics or Mathematics

PARAMEDICINE

Course prerequisites: Any two units of English, plus one of Biology, Chemistry, Physics or Mathematics

PHARMACY

Course prerequisites: Any two units of English, plus one of Mathematics, HSC Mathematics Extension 1 or HSC Mathematics Extension 2 plus one of Biology, Chemistry or Physics

PHARMACOLOGY AND TOXICOLOGY

Course prerequisites: Any two units of English
Assumed knowledge: One of Mathematics, HSC Mathematics Extension 1 or HSC Mathematics Extension 2, plus one of Biology, Chemistry or Physics

POPULAR MUSIC

Course prerequisites: Any two units of English
Additional selection criteria: Audition and portfolio

PSYCHOLOGICAL SCIENCE

Requirements: None

PSYCHOLOGY WITH HONOURS

Course prerequisites: Any two units of English

PUBLIC HEALTH IN HEALTH PROMOTION AND PUBLIC HEALTH NUTRITION

Course prerequisites: Any two units of English

PUBLIC RELATIONS AND COMMUNICATION

Minor studies: Asian and international studies, creative writing, crime and justice, economics, environmental studies, event management, history, Indigenous studies, Islam–West relations, journalism, literary studies, marketing, politics and international studies, popular music, science, technology and society, sociology, sport management, tourism. Not all minors are offered at all campuses.
Course prerequisites: Any two units of English

SCIENCE

Areas of study: Applied mathematics, biochemistry and molecular biology, chemistry, geography, marine biology, physics, wildlife biology
Course prerequisites: Any two units of English
Assumed knowledge: Mathematics General 2 or Mathematics
Recommended studies: One of Biology, Chemistry or Physics

SCIENCE ADVANCED WITH HONOURS

Areas of study: Applied mathematics, biochemistry and molecular biology, chemistry, geography, marine biology, physics, wildlife biology
Course prerequisites: Any two units of English
Assumed knowledge: Mathematics
Recommended studies: One of Biology, Chemistry or Physics

SOCIAL WORK

Course prerequisites: Any two units of English

SPORT DEVELOPMENT

Course prerequisites: Any two units of English
Assumed knowledge: One of Biology, Chemistry, Physics, Mathematics or Mathematics General 2

URBAN AND ENVIRONMENTAL PLANNING

Course prerequisites: Any two units of English
Recommended studies: Mathematics General 2 or Mathematics

COMBINED DEGREES

If you intend to undertake combined degrees, check the prerequisites, assumed knowledge and recommended studies for both degrees. Contact the University for further details.

Griffith University currently offers combined degrees in:

- B Arts/B Business
- B Criminology and Criminal Justice/B Information Technology
- B Engineering with Honours/B Business
- B Engineering with Honours/B Environmental Science
- B Engineering with Honours/B Information Technology
- B Engineering with Honours/B Science
- B Exercise Science/B Business
- B Exercise Science/B Psychological Science
- B Exercise Science/Grad Dip Exercise Science
- B Human Services/B Criminology and Criminal Justice
- B Information Technology/B Business
- B Pharmacology and Toxicology/B Business
- B Pharmacology and Toxicology/B Laws
- B Science/B Information Technology
- Urban and Environmental Planning/B Science

Business (Combined)

- B Business/B Commerce
- B Business/B Government and International Relations
- B Business/B International Business
- B Commerce/B International Business
- B Design/B Business
- B International Business/B Government and International Relations
- B International Tourism and Hotel Management/B Business
- B Journalism/B Business
- B Public Relations and Communication/B Business
- B Science/B Business

Psychological Science (Combined)

- B Psychological Science/B Business
- B Psychological Science/B Criminology and Criminal Justice
- B Psychological Science/M Mental Health Practice
- B Psychological Science/M Rehabilitation Counselling

International College of Management, Sydney

www.icms.edu.au
CRICOS provider number 01484M

Enquiries

by post: Domestic Student Advisers
International College of Management, Sydney
151 Darley Road
Manly NSW 2095

in person: Reception
151 Darley Road
Manly NSW 2095

telephone: 1800 110 490
fax: (02) 9466 1001
email: info@icms.edu.au

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

BUSINESS MANAGEMENT

Entrepreneurship
Marketing and New Media
Retail Marketing

Recommended studies: Any two units of English and one of Business Studies, Economics or Mathematics
Additional selection criteria: Interview

EVENT MANAGEMENT

Recommended studies: Any two units of English and one of Business Studies, Economics or Mathematics
Additional selection criteria: Interview

HOSPITALITY MANAGEMENT

Recommended studies: Any two units of English and one of Business Studies, Economics or Mathematics
Additional selection criteria: Interview

INTERNATIONAL TOURISM

Recommended studies: Any two units of English and one of Business Studies, Economics or Mathematics
Additional selection criteria: Interview

PROPERTY (DEVELOPMENT, INVESTMENT AND VALUATION)

Recommended studies: Any two units of English and one of Business Studies, Economics or Mathematics
Additional selection criteria: Interview

SPORTS MANAGEMENT

Recommended studies: Any two units of English and one of Business Studies, Economics or Mathematics
Additional selection criteria: Interview

Jansen Newman Institute

www.jni.edu.au
CRICOS provider number 00246M

Enquiries

by post: Jansen Newman Institute
Level 5, 235 Pyrmont Road
Pyrmont NSW 2009

in person: Level 5, 235 Pyrmont Road
Pyrmont NSW 2009

telephone: 1800 777 116
email: info@jni.edu.au
facebook: www.facebook.com/JansenNewmanInstitute
instagram: www.instagram.com/jansennewman

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

APPLIED SOCIAL SCIENCE

Community Services
Counselling

Areas of study: Community services, counselling, ethics and professional practice, interpersonal communication, mediation and conflict management, social analysis, social policy
Recommended studies: English (Standard)

APPLIED SOCIAL SCIENCE (DIP)

Areas of study: Community services, counselling, interpersonal communication, social analysis, social policy
Requirements: None

COUNSELLING (DIP)

Areas of study: Counselling and communication skills
Requirements: None

La Trobe University

www.latrobe.edu.au
CRICOS provider number 00115M

Enquiries: All campuses 1300 LA TROBE (1300 528 7623)
Enquire online: http://latrobe.custhelp.com

Albury-Wodonga campus
in person: Student Administration
Ground floor, Building 4
University Drive
Wodonga VIC 3690
fax: (02) 6024 9797

Mildura campus
in person: Student Administration
471 Benetook Avenue
Mildura VIC 3500

Bendigo campus
in person: Student Administration
Edwards Road, Flora Hill
Bendigo VIC 3550

Sydney campus
in person: Level 10, 11 York Street
Sydney NSW 2000
telephone: (02) 9397 7600
fax: (02) 9397 7601
email: sydney@latrobe.edu.au

Melbourne campus
in person: Kingsbury Road
Bundoora VIC 3083

READ THIS FIRST

For up-to-date information contact the University before making any final decisions regarding your choice of HSC courses.

College of Arts, Social Sciences and Commerce

For Accounting, Arts, Business, Creative Arts, Education, Fine Arts/Graphic Design, Laws, Media/Journalism courses

College of Science, Health and Engineering

For Civil Engineering, Health Sciences, Information Technology, Nursing, Occupational Therapy, Paramedic, Physiotherapy, Psychology, Science, Social Work, Speech Pathology courses

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

ARTS

Areas of study: English+, history+, psychology, social sciences+, sociology
Course prerequisites: Any two units of English (min. standard required)

+ Available at Mildura as well as Albury–Wodonga.

BUSINESS, ACCOUNTING, COMMERCE

Areas of study: Accounting, business, international business, management+, marketing
Course prerequisites: Any two units of English (min. standard required)

+ Management is the only major offered at Mildura.

CIVIL ENGINEERING (HONOURS)
ENGINEERING (HONOURS)

Course prerequisites: Any two units of English plus Mathematics or HSC Mathematics Extension 1 or HSC Mathematics Extension 2 (min. standards required)

CREATIVE ARTS

Areas of study: Graphic design, fine arts
Course prerequisites: Any two units of English (min. standard required)
Additional selection criteria: Portfolio/interview

EDUCATION

Areas of study: Primary
Course prerequisites: Any two units of English, any two units of mathematics (min. standards required)

Requirements for teaching courses are currently under review. Check with the University for specific requirements.

HEALTH SCIENCES

Areas of study: Anatomy and physiology (Bundoora only), health sustainability (Bendigo only), public health, rehabilitation counselling
Course prerequisites: Any two units of English plus one of Biology, Chemistry, Mathematic, Physics or Personal Development, Health and Physical Education (PDHPE) (min. standard required)

INFORMATION TECHNOLOGY

Course prerequisites: Any two units of English (min. standards required)

LAWS

Areas of study: Law
Course prerequisites: Any two units of English (min. standard required)

MEDIA AND COMMUNICATION (JOURNALISM)

Areas of study: Journalism
Course prerequisites: Any two units of English (min. standard required)

NURSING (PRE-REGISTRATION)

Course prerequisites: Any two units of English plus one of Biology, Chemistry, Mathematics, Personal Development, Health and Physical Education (PDHPE) or Physics (min. standards required)

OCCUPATIONAL THERAPY

Course prerequisites: Any two units of English plus one of Biology, Chemistry, Mathematics, Personal Development, Health and Physical Education (PDHPE) or Physics (min. standards required)

PARAMEDIC PRACTICE

Course prerequisites: Any two units of English plus two of Biology, Chemistry, Mathematics, Personal Development, Health and Physical Education (PDHPE) or Physics (min. standards required)

PHYSIOTHERAPY

Course prerequisites: Any two units of English, plus two of Biology, Chemistry, Mathematics, Personal Development, Health and Physical Education (PDHPE) or Physics (min. standards required)

PSYCHOLOGICAL SCIENCE

Course prerequisites: Any two units of English (min. standard required)

PSYCHOLOGY (HONOURS)

Course prerequisites: Any two units of English (min. standard required)

SCIENCE

Course prerequisites: Any two units of English, any two units of mathematics (min. standards required)

Agricultural Sciences+, Animal and Veterinary Biosciences+

Course prerequisites: Any two units of English (min. standard required)

Biological Sciences+, Science (Wildlife and Conservation Biology)+

Course prerequisites: Any two units of English plus one of Agriculture, Biology, Chemistry, Earth and Environmental Science, Geography, Information Processes and Technology, Mathematics, Personal Development, Health and Physical Education (PDHPE) or Physics (min. standards required)

+ First year only at Albury–Wodonga. Students transfer to Bundoora (Melbourne) from second year.

SOCIAL WORK

Course prerequisites: Any two units of English (min. standard required)

SPEECH PATHOLOGY

Course prerequisites: Any two units of English plus one of Biology, Chemistry, Mathematics, Personal Development, Health and Physical Education (PDHPE) or Physics (min. standards required)

Macleay College

www.macleay.edu.au
CRICOS provider number 00899G

Enquiries

by post: Admissions Office
Macleay College
Level 2, 28 Foveaux Street
Surry Hills NSW 2010

in person: Level 2, 28 Foveaux Street
Surry Hills NSW 2010

telephone: 1300 939 888
email: study@macleay.edu.au

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

ACCOUNTING (DIP)

Areas of study: Accounting, applied finance, business analytics, business economics, business law, financial, management, marketing
Recommended studies: Any two units of English, Mathematics
Additional selection criteria: Interview

ADVERTISING

ADVERTISING (DIP)

Areas of study: Copywriting, digital design, marketing fundamentals, media in advertising, professional practice, social media, video production
Recommended studies: Any two units of English, Mathematics
Additional selection criteria: Interview

BUSINESS

Areas of study: Business accounting, business communications, business fundamentals, consumer behaviour, digital business, foundations of marketing
Recommended studies: Any two units of English, Mathematics
Additional selection criteria: Interview

Entrepreneurship
Event Management
Public Relations
Sports Business
Travel and Tourism

Recommended studies: Any two units of English, Mathematics
Additional selection criteria: Interview

BUSINESS MANAGEMENT (DIP)

Areas of study: Business communications, business fundamentals, foundations of marketing
Recommended studies: Any two units of English, Mathematics
Additional selection criteria: Interview

Entrepreneurship
Event Management
Public Relations
Sports Business
Travel and Tourism

Recommended studies: Any two units of English, Mathematics
Additional selection criteria: Interview

JOURNALISM

JOURNALISM (DIP)

Areas of study: Ethics, feature writing, media history, media law, radio, research and data, shorthand, video
Recommended studies: Any two units of English
Additional selection criteria: Interview

Business
Fashion
Food & Lifestyle
Investigative Reporting
Music
Sports

Recommended studies: Any two units of English
Additional selection criteria: Interview

MARKETING (DIP)

Areas of study: Business communications, business fundamentals, entrepreneurship, foundations of marketing, research, sales and negotiation
Recommended studies: Any two units of English, Mathematics
Additional selection criteria: Interview

Macquarie University

www.mq.edu.au
CRICOS provider number 00002

Enquiries

by post: Student Connect
Level 2, MUSE Building (C7A)
Macquarie University
North Ryde NSW 2113

in person: Student Connect
Level 2, MUSE Building (C7A)
Macquarie University
North Ryde NSW 2113

telephone: (02) 9850 6410
Indigenous students can also phone Walanga Muru Office of Indigenous Strategy: (02) 9850 4209

online: Student Connect
https://ask.mq.edu.au

fax: (02) 9850 7735

READ THIS FIRST

- There are no course prerequisites for entry into degree courses at Macquarie University. Some courses have subject prerequisites and these may have minimum standard requirements. Contact the University for further details. The information listed as subject prerequisites, assumed knowledge and recommended studies refers to the main first-year units in the area of study concerned.
- In all cases (excluding early childhood, primary and secondary education), where a minimum level of achievement or an HSC course is listed as a prerequisite or assumed knowledge, Macquarie University provides introductory units. These introductory units are designed to bring candidates to the level required for progression in the subject at the University. The introductory units count toward the requirements for the degree, but students who must complete these units may require up to one additional year of study to complete the degree. Introductory units also provide an option for students with no background in the subject area, or for those who do not intend to continue beyond the first-year level in the area of study.
- When you read 'Mathematics' this refers to the HSC course titled Mathematics, not Mathematics General 2.

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

ACTUARIAL STUDIES

Assumed knowledge: HSC Mathematics Extension 1
Recommended studies: HSC Mathematics Extension 2

APPLIED FINANCE

Assumed knowledge: Mathematics
Recommended studies: HSC Mathematics Extension 1

ARTS

ARTS WITH EDUCATION

Areas of study: Ancient history (Egypt and Near East, Greece, Rome and late antiquity, ancient languages); anthropology; archaeology; arts industries and management; Chinese studies; Chinese/English translation and interpreting; contemporary music, dance and performance; Croatian studies; cultural studies; dance; decision science; development studies and cultural change; early childhood; education; English; French studies; gender studies; geography; German studies; Hellenic studies; human geography; Indigenous studies; international communication; Italian studies; Japanese studies; linguistics; media, culture and communication; modern Greek studies; modern history; philosophy; Polish studies; politics and international relations; psychological science+; Russian studies; sociology; Spanish and Latin American studies; statistics; writing

+ This major does not lead to registration as a psychologist or to professional postgraduate training in psychology.

Requirements: None
Subject prerequisites: *For language majors:* Chinese, Croatian, French, German, Italian, Japanese, modern Greek, Polish, Russian, Spanish
For introductory units: None
Assumed knowledge: *For intending primary and secondary teachers in NSW schools:* Three Band 5 HSC subjects, one of which must be English
Recommended studies: *For psychological science:* Mathematics

Environmental Management

Requirements: Refer to the main subject area of Science

Science

Areas of study: Astronomy and astrophysics, biology, chemistry, computing, electronics, geochemistry, geography, human geography, mathematics, mathematical physics, physics (Science subjects may be taken as majors within an Arts degree)
Requirements: Refer to the main subject area of Science for subject prerequisites, assumed knowledge and recommended studies for science majors taken within an Arts degree

ARTS–MEDIA

Areas of study: Animation, audio, digital media, games and interactivity, media theory, multimedia, public relations, radio, screen production, soundtracks, writing
Requirements: None

BUSINESS ADMINISTRATION
BUSINESS ADMINISTRATION WITH ARTS
BUSINESS ADMINISTRATION WITH SCIENCE

Assumed knowledge: Mathematics General 2

BUSINESS ANALYTICS

Assumed knowledge: Mathematics
Recommended studies: HSC Mathematics Extension 1

CHIROPRACTIC SCIENCE

Recommended studies: Biology, Chemistry, Mathematics, Physics

CLINICAL SCIENCE

Areas of study: Anatomy, biochemistry, generics and embryology, histology, physiology alongside abnormality and disease such as diagnostics and imaging, immunology, microbiology, pathology, pharmacology, virology
Recommended studies: Chemistry plus HSC Mathematics Extension 1 (Band E3 or above) or HSC Mathematics Extension 2. For students who have not studied these subjects, it is compulsory to participate in a Kickstart Science course as part of your orientation.

COMMERCE

Accounting
Assumed knowledge: Mathematics General 2
Recommended Studies: Mathematics

Decision Science
Economics
Finance
Assumed knowledge: Mathematics
Recommended studies: HSC Mathematics Extension 1

Business Information Systems
International Business
Assumed knowledge: Mathematics General 2
Recommended studies: Mathematics

Marketing
Assumed knowledge: Mathematics General 2
Recommended studies: Mathematics

Entrepreneurship
Human Resources
Assumed Knowledge: Mathematics General 2

COMPUTING AND INFORMATION TECHNOLOGY

Business Information Systems
Areas of study: Business analysis, computer systems, databases, system analysis
Assumed knowledge: Mathematics General 2
Recommended studies: Information Processes and Technology

Digital Business
Areas of study: Computer programming, creativity and Innovation, database systems, eCommerce, entrepreneurship, finance and regulation, marketing management, networking, software development, web design, web technology
Recommended studies: Information Processes and Technology, Software Design and Development

Games Design and Development
Recommended studies: HSC Mathematics Extension 1 or HSC Mathematics Extension 2 plus Software Design and Development

Information Technology
Areas of study: cybersecurity, data science, information systems and business analysis, software development, web design and development
Recommended studies: HSC Mathematics Extension 1 or HSC Mathematics Extension 2 plus Software Design and Development or Information Processes and Technology

Software Engineering
Subject prerequisites: Refer to the main subject area of Engineering (Mathematics (Band 4) or HSC Mathematics Extension 1 (Band E2) or HSC Mathematics Extension 2)
Recommended studies: HSC Mathematics Extension 1 or HSC Mathematics Extension 2 plus software Design and Development or Information Processes and Technology

ECONOMICS
Assumed knowledge: Mathematics.
Recommended studies: HSC Mathematics Extension 1

EDUCATION
Areas of study: Early childhood education primary, secondary
Assumed knowledge: Three Band 5 HSC subjects, one of which much be English

Also refer to Arts with Education.

ENGINEERING
ENGINEERING WITH ARTS
ENGINEERING WITH COMMERCE
ENGINEERING WITH SCIENCE
Areas of study: Computer engineering, electronics engineering, mechanical engineering, mechatronic engineering, software engineering, telecommunications engineering, wireless engineering
Subject prerequisites: Mathematics (Band 4) or HSC Mathematics Extension 1 (Band E2) or HSC Mathematics Extension 2
Recommended studies: HSC Mathematics Extension 1 or HSC Mathematics Extension 2 plus Chemistry and Physics

ENVIRONMENT
Areas of study: Biology, climate science, environmental earth science, environmental management, spatial information science
Recommended studies: Mathematics plus one of Biology, Chemistry, Earth and Environmental Science or Geography

GLOBAL BUSINESS
Assumed knowledge: Mathematics General 2
Recommended studies: Mathematics

HUMAN SCIENCES
Areas of study: Cognitive and brain sciences, health studies
Recommended studies: Mathematics

INTERNATIONAL STUDIES
Areas of study: Cultural studies, intercultural communication, languages
Requirements: None

LAW, SECURITY AND INTELLIGENCE
Areas of study: Corporate and commercial law; criminology; environmental law and management; international law and global governance; media, technology and the law; public policy, law and governance; security studies; social justice
Requirements: None

LAW (COMBINED)
The following combined Law courses are offered:

- Applied Finance with Law
- Arts with Law
- Arts (Media) with Law
- Arts-Psychology with Law
- Business Administration with Law
- Commerce – Professional Accounting with Law
- Commerce with Law
- Environment with Law
- Information Technology with Law
- International Studies with Law
- Science with Law
- Security Studies with Law
- Social Science with Law

Recommended studies: *For Law:* None *For the other area of study:* Refer to the relevant entry

MARINE SCIENCE
Areas of study: Marine biology, marine geoscience
Recommended studies: Earth and Environmental Science
For biology: Chemistry or Senior Science plus Mathematics

MARKETING AND MEDIA
Assumed knowledge: Mathematics General 2
Recommended studies: Mathematics

MEDICAL SCIENCES

Areas of study: Biomedicine, medicinal chemistry, psychomedicine
Recommended studies: Chemistry, HSC Mathematics Extension 1

PLANNING

Areas of study: Development studies and cultural change, human geography, resource and environmental management
Recommended studies: One of Geography, Earth and Environmental Science or Society and Culture

PROFESSIONAL ACCOUNTING

Assumed knowledge: Mathematics General 2
Recommended studies: Mathematics

PSYCHOLOGY
PSYCHOLOGY (HONOURS)
PSYCHOLOGY WITH BUSINESS ADMINISTRATION
PSYCHOLOGY WITH COMMERCE
PSYCHOLOGY WITH EDUCATION
PSYCHOLOGY WITH HEALTH

Recommended studies: *For Psychology:* Mathematics *For the other area of study:* Refer to the relevant entry

SCIENCE
SCIENCE WITH EDUCATION

Astronomy and Astrophysics, Biodiversity and Ecology, Bioinformatics, Biology, Biomolecular Sciences, Chemistry, Climate Science, Computing, Decision Science, Electronics, Environmental Earth Science, Environmental Management, Exploration Geoscience, Geoecology, Geographical Information Systems, Geology, Geonomics, Geophysics, Human Biology, Human Geography, Information Processing and Data Mining, Mathematical Physics, Mathematics, Molecular Analysis and Design, Palaeobiology, Palaeontology, Physics, Psychological Science+, Social and Cultural Geography, Spatial Information Science, Statistics

Some of the above areas of study may also be taken as part of an Arts degree.

+ This major does not lead to registration as a psychologist or to professional postgraduate training in psychology.

Subject prerequisites: *For mathematics:* Mathematics (Band 4) or HSC Mathematics Extension 1 (Band E2) or HSC Mathematics Extension 2; refer also to Science Advanced *For astronomy and astrophysics, photonics and physics:* Mathematics (Band 4) or HSC Mathematics Extension 1 (Band E2) or HSC Mathematics Extension 2

Assumed knowledge: *For chemistry-related areas of study:* Chemistry, Mathematics *For computing:* Mathematics *For electronics:* Mathematics *For intending primary and secondary teachers in NSW:* refer to Arts/Arts with Education.

Recommended studies: *For biology-related areas of study:* Chemistry or Senior Science, Mathematics *For climate science:* Earth and Environmental Science or Geography plus Mathematics *For computing:* HSC Mathematics Extension 1 or HSC Mathematics Extension 2 *For electronics:* HSC Mathematics Extension 1 or HSC Mathematics Extension 2 plus Information Processes and Technology or Software Design and Development *For environmental earth science:* Earth and Environmental Science or Geography plus Mathematics *For environmental management:* One of Earth and Environmental Science, Geography, Society and Culture *For geology-related areas of study:* Earth and Environment Science or Chemistry *For geophysics:* One of Earth and Environmental Science, Engineering Studies, Mathematics or Physics. Units of study are available in Chemistry, Physics and Mathematics for students who have not studied these courses at HSC level *For human biology:* Chemistry or Senior Science plus Mathematics *For mathematics:* HSC Mathematics Extension 1 or HSC Mathematics Extension 2 *For astronomy, astrophysics and physics:* HSC Mathematics Extension 1 or HSC Mathematics Extension 2 plus one of Physics (preferred), Chemistry, Engineering Studies or Senior Science *For psychological science:* Mathematics *For spatial information science:* Geography, Mathematics *For statistics:* Mathematics *For human geography:* None

Biochemistry, Biodiversity and Conservation Animal Sciences, Biodiversity and Conservation Biology, Cell and Molecular Biology, Ecology, Environmental Biology, Genetics, Microbiology, Physiology, Plant Sciences

Recommended studies: Chemistry or Senior Science plus Mathematics

SCIENCE ADVANCED

Astronomy and Astrophysics

Recommended studies: Physics, Mathematics

Biology

Recommended studies: Chemistry or Senior Science plus Mathematics

Biomolecular Sciences

Recommended studies: Chemistry or Senior Science plus Mathematics

Chemistry

Recommended studies: Chemistry or Senior Science plus Mathematics

Mathematics

Subject prerequisites: HSC Mathematics Extension 2

Palaeobiology

Recommended studies: Earth and Environmental Science and/or Biology

Physics

Recommended studies: Physics, Mathematics

Software Technology

Recommended studies: HSC Mathematics Extension 1 or HSC Mathematics Extension 2 plus Software Design and Development or Information Processes and Technology

SOCIAL SCIENCES

Areas of study: Anthropology, criminology, cultural studies, development studies and culture change, gender studies, human geography, Indigenous studies, international relations, linguistics, philosophy, politics, political economy and social policy, psychological science, sociology, statistics
Requirements: None

SPEECH AND HEARING SCIENCES*

Areas of study: Language sciences (linguistics) with a focus on introduction to audiology, speech language pathology, speech and hearing science (phonetics and phonology, syntax, language and the brain, language and society, hearing first and second language acquisition, speech and language disorders, language in interaction).
Requirements: None

** This degree does not lead to registration as a speech pathologist or audiologist.*

MIT Sydney

www.mit.edu.au
CRICOS provider numbers 02814A (NSW), 03245K (NSW)

Enquiries

by post: MIT Sydney
154–158 Sussex Street
Sydney NSW 2000

in person: 154–158 Sussex Street
Sydney NSW 2000

telephone: (02) 8267 1400
fax: (02) 8267 1499
email: info.sydney@mit.edu.au, enrolments.syd@mit.edu.au

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

BUSINESS

BUSINESS (DIP)

Areas of study: management, marketing
Requirements: None

INFORMATION TECHNOLOGY

Networking

Areas of study: planning, implementing and managing computer networks
Requirements: None

INFORMATION TECHNOLOGY (DIP)

Areas of study: computing, computer hardware and architecture, web and multimedia technologies, operating systems, networking fundamentals
Requirements: None

National Art School

www.nas.edu.au
CRICOS provider number 03197B

Enquiries

by post: National Art School
Forbes Street
Darlinghurst NSW 2010

in person: Forbes Street
Darlinghurst NSW 2010

telephone: (02) 9339 8651
email: student.services@nas.edu.au

READ THIS FIRST

- In addition to completion of the HSC (or equivalent), admission requirements for B Fine Art include interview and portfolio evaluation. For further information regarding portfolio requirements, visit www.nas.edu.au.
- The National Art School offers portfolio development with its short course program and also offers the BOSTES-endorsed HSC Intensive Studio Practice course for Year 11 Visual Arts students throughout NSW.

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

FINE ARTS

Areas of study: Art history and theory, ceramics, drawing, painting, photography, printmaking, sculpture.
Assumed knowledge: Visual Arts
Additional selection criteria: Portfolio, interview

SAE Creative Media Institute

www.sae.edu.au
CRICOS provider number 000312F

Enquiries

Sydney campus

by post: SAE Creative Media Institute
Level 1, 11 York Street
Sydney NSW 2000

in person: Level 1, 11 York Street
Sydney NSW 2000

telephone: Freecall 1800 SAE EDU
or (02) 8241 5300
email: sydney@sae.edu

Byron Bay campus

by post: SAE Creative Media Institute
373–391 Ewingsdale Road
Byron Bay NSW 2481

in person: 373–391 Ewingsdale Road
Byron Bay NSW 2481

telephone: Freecall 1800 SAE EDU
or (02) 6639 6000
email: byronbay@sae.edu

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Degree is shown in brackets.

ANIMATION

3D Modelling

Areas of study: Advanced 3D modelling, digital environments, technical art pipelines
Additional selection criteria: Interview

Character Animation

Areas of study: Advanced 2D animation, advanced character animation, rigging
Additional selection criteria: Interview

Screen and Media (Animation) (Dip)

Areas of study: 3D animation principles and practice including scriptwriting, 3D characters and environments, modelling and animation, storyboarding
Requirements: None

Visual Effects

Areas of study: Dynamics, intermediate and advanced compositing
Additional selection criteria: Interview

AUDIO

Post Production

Areas of study: Advanced sound for picture techniques, audio post-production team dynamics
Additional selection criteria: Interview

Sound Production (Electronic Music Production) (Dip)

Areas of study: DAW theory and practice, hardware and software synthesis, mixing techniques, multi-track recording, sampling, sequencing and electronic music production, signal processing and effects, use of plug-ins
Additional selection criteria: Interview

Sound Production (Live Sound) (Dip)

Areas of study: Digital audio workstation (DAW) operations, live sound, mixing and planning
Additional selection criteria: Interview

Sound Production (Studio Production) (Dip)

Areas of study: Analogue and digital console theory and practice, microphone theory and techniques, mixing techniques, multi-track recording, sequencing and electronic music production, signal flow, signal processing and effects
Additional selection criteria: Interview

Studio Production

Areas of study: Advanced studio production techniques, studio production team dynamics
Additional selection criteria: Interview

DESIGN

Graphic Design

Areas of study: Design for print media, pre-press, typography
Additional selection criteria: Interview

Interactive Digital Media (Dip)

Areas of study: Animation and graphic, web and games design
Additional selection criteria: Interview

Web Design

Areas of study: Design for content management systems, interaction design, interface design
Additional selection criteria: Interview

FILM

Post Production

Areas of study: Colour grading, compositing, editing
Additional selection criteria: Interview

Production

Areas of study: Directing, producing
Additional selection criteria: Interview

Screen and Media (Digital Video Production) (Dip)

Areas of study: Documentary, narrative and music videos, video production
Additional selection criteria: Interview

GAMES DEVELOPMENT

Games Design

Areas of study: Advanced game design, foundations of 3D graphics, game audio, games as media, level development, psychology of play
Additional selection criteria: Interview

Games Programming

Areas of study: Applied mathematics, game engine architecture, games technology, programming, tools development
Additional selection criteria: Interview

SIBT

www.sibt.nsw.edu.au
CRICOS provider numbers SIBT 01576G

Enquiries

SIBT Sydney campus

by post: SIBT
255 Elizabeth Street
Sydney NSW 2000

in person: 255 Elizabeth Street
Sydney NSW 2000

telephone: (02) 9964 6555
email: study@sibt.nsw.edu.au
facebook: https://www.facebook.com/SIBT1

READ THIS FIRST

SIBT will only consider academic subjects when determining a student's average performance.

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

ARTS (DIP)

Areas of study: Culture, media and communication; reasoning and argument; international communication; writing and research; ideas and society
Requirements: None

BUSINESS (ASSOC DEG)

Areas of study: Accounting, human resources, management, market microeconomic principles, marketing principles, information systems
Requirements: None

BUSINESS ADMINISTRATION (DIP)

Areas of study: Accounting, human resources, management, market microeconomic principles, marketing principles, information systems/ information technology
Requirements: None

COMMERCE (DIP)

Areas of study: Accounting, financial theory, introductory statistics, management fundamentals, market microeconomic principles
Requirements: None

MEDIA AND COMMUNICATION (DIP)

Areas of study: Culture and communication, digital media, international communications, national and global media, writing and research
Requirements: None

INFORMATION TECHNOLOGY (DIP)

Areas of study: Digital media, introductory programming, introductory software design, principles of business information systems, systems design and data management
Requirements: None

ENGINEERING (DIP)

Areas of study: Fundamentals of digital technology and design, introductory programming, introductory software design, mathematics
Assumed knowledge: HSC Mathematics Extension 1. If not, students can enrol in equivalent units to acquire this knowledge.

HOSPITALITY MANAGEMENT (DIP)

Areas of study: Hospitality, tourism, management, marketing, accounting, academic research and communication.
Requirements: None

Southern Cross University

www.scu.edu.au
CRICOS provider number 01241G

Enquiries

All campuses

by post: Future Student Team
Southern Cross University
PO Box 157
Lismore NSW 2480

telephone: Freecall 1800 626 481
email: futurestudent@scu.edu.au

Lismore campus

in person: Military Road
East Lismore NSW 2480

Coffs Harbour campus

in person: Hogbin Drive
Coffs Harbour NSW 2450

Gold Coast campus

in person: Southern Cross Drive
Bilinga QLD 4225

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

ABORIGINAL HEALTH AND WELLBEING*

Areas of study: Indigenous counselling
Recommended studies: Any two units of English

** Subject to approval.*

ACCOUNTING*

Areas of study: Business accounting, finance, law
Recommended studies: Business Studies, Economics, Information Processes and Technology, Legal Studies

** Subject to approval.*

ARTS

Areas of study: Australian studies, communication studies, creative arts, cultural studies, education, English, environmental studies, history, human geography, Indigenous studies, international studies, law and justice, mathematics, media studies, music, politics, psychology, physical geography, society and culture, tourism, visual arts, writing
Assumed knowledge: English (Advanced)

ARTS (ASSOC DEG)

Recommended studies: Any two units of English

BIOMEDICAL SCIENCE

Areas of study: Anatomy, biochemistry, human physiology, immunology, microbiology, neuroscience
Recommended studies: Mathematics plus one or more of Biology, Chemistry or Physics

BUSINESS

Areas of study: Accounting, accounting and advanced accounting, aviation management, digital marketing, finance, human resource management, information systems, international business, management, marketing, marketing and digital marketing
Assumed knowledge: Mathematics, Business Studies, any two units of English
Recommended studies: One or more of Business Studies, Economics, Information Processes and Technology, Legal Studies

BUSINESS (ASSOC DEG)

Recommended studies: Business Studies or Economics

BUSINESS ADMINISTRATION

Areas of study: Accounting, digital marketing, finance, human resource management, information systems, international business, management, marketing
Assumed knowledge: Mathematics, Business Studies, any two units of English
Recommended studies: One or more of Economics, Information Processes and Technology, Legal Studies

CIVIL ENGINEERING

Areas of study: Environmental engineering
Recommended studies: Mathematics plus Chemistry and/or Physics

CLINICAL SCIENCES (OSTEOPATHIC STUDIES)

Areas of study: Human anatomy and physiology, structure and function of the muscular and nervous systems
Recommended studies: Biology plus Chemistry or Mathematics

CONTEMPORARY STUDIES

Areas of study: Allied health, arts, business, engineering, science, tourism
Recommended studies: Any two units of English

CONVENTION AND EVENT MANAGEMENT

Areas of study: Convention and exhibition planning, event operations management, festival and special event planning, facility and risk management, production planning and management
Recommended studies: Business Studies, any two units of English

CREATIVE ARTS

Areas of study: Art and design, media studies, music, writing
Recommended studies: HSC English Extension 1 or HSC English Extension 2

CREATIVE WRITING (ASSOC DEG)

Areas of study: Experimental writing, journalism, life writing, poetry, writing for stage and screen, writing for young adults
Assumed knowledge: English (Advanced)
Recommended studies: HSC English Extension 1 or HSC English Extension 2

DIGITAL MEDIA AND COMMUNICATIONS

Areas of study: Creative writing, digital design, cultural studies, digital marketing, journalism, music and technology, screen media, visual culture
Assumed knowledge: Any two units of English
Recommended studies: HSC English Extension 1 or HSC English Extension 2

EDUCATION / TEACHING

Early Childhood
Primary (K–6)
Secondary+
Technology Education

Requirements: None

+ See Education/Teaching Combined degrees at the end of SCU's entry.

ENVIRONMENTAL SCIENCE

Areas of study: Coastal management, environmental resource management, fisheries and aquaculture management, waste and resource recovery*
Recommended studies: Biology, Chemistry, Earth and Environmental Science, Geography, Mathematics

** Subject to approval.*

ENVIRONMENTAL SCIENCE / PLANNING*

Areas of study: Coastal management, environmental resource management, fisheries and aquaculture management, planning, waste and resource recovery
Recommended studies: Biology, Chemistry, Earth and Environmental Science, Geography, Mathematics

** Subject to approval.*

FOREST SCIENCE AND MANAGEMENT

Areas of study: Biology, ecology, environmental studies, forestry studies, plant physiology, soil processes, wood science
Recommended studies: Biology and/or Chemistry, Mathematics

HEALTH (ASSOC DEG)

Recommended studies: Biology and/or Chemistry

HOTEL MANAGEMENT

Areas of study: Accommodation operations, food and beverage, management, professional practice
Recommended studies: Business Studies and/or Hospitality, any two units of English
Additional selection criteria: Interview

INDIGENOUS KNOWLEDGE*

Areas of study: Arts and social sciences, business and tourism, education, engineering, environmental science, health and human sciences, law and justice
Recommended studies: Any two units of English

** Subject to approval.*

INFORMATION TECHNOLOGY

Areas of study: Information systems, interactive multimedia, software development
Assumed knowledge: Mathematics
Recommended studies: Information Processes and Technology, any two units of English

INFORMATION TECHNOLOGY (ASSOC DEG)

Areas of study: Applications development, database systems, digital media, programming, systems analysis and design, web development
Assumed knowledge: Mathematics
Recommended studies: Information Processes and Technology, any two units of English

LAW (ASSOC DEG)

Areas of study: Conveyancing
Requirements: None

LAWS

LAWS (DOUBLE DEGREES)

The following double law degrees are offered:

- Arts/Laws
- Business/Laws
- Music/Laws*
- Legal and Justice Studies/Laws
- Social Science/Laws
- Sport and Exercise Science/Laws

Requirements: *For Laws:* None *For the other area of study:* Refer to the relevant entry

** New course name subject to approval.*

LEGAL AND JUSTICE STUDIES

Areas of study: Conveyancing
Requirements: None

MARINE SCIENCE AND MANAGEMENT

Areas of study: Biology, chemistry, coastal marine ecosystems, ecology, environmental issues
Recommended studies: Biology and/or Chemistry, Mathematics

MECHANICAL ENGINEERING

Areas of study: Applied mechanics, dynamics, fluid mechanics, manufacturing, materials, thermodynamics
Recommended studies: Mathematics plus Chemistry and/or Physics

MIDWIFERY

Areas of study: Anatomy and physiology, midwifery theory and practice, primary health care, psychosocial sciences, women's health
Assumed knowledge: Any two units of English plus Mathematics plus Chemistry or Biology
Recommended studies: HSC English Extension 1 or HSC English Extension 2

MUSIC

Areas of study: Music education, new media arts, performance (audition), performance (non-audition), screen, songwriting/composition (audition), songwriting/composition (non-audition), sound production
Assumed knowledge: Competency on a musical instrument, particularly for the performance stream, basic music theory
Recommended studies: Music 1 or Music 2 or HSC Music Extension
Additional selection criteria: *For the performance and songwriting/composition audition streams:* Audition/interview

NURSING

Assumed knowledge: Any two units of English, any two units of mathematics
Recommended studies: One or more of Chemistry, Biology or Physics

OCCUPATIONAL THERAPY

Areas of study: Biomedical science, professional areas, social sciences
Recommended studies: Biology

PEDORTHICS

Areas of study: Footwear design and production, lower limb function, orthoses and bracing manufacture
Recommended studies: Biology, Chemistry, Mathematics

PODIATRY

Areas of study: Allied health studies, anatomy and physiology, gait biomechanics, lower limb medicine,
Recommended studies: Biology, Chemistry, Mathematics

PSYCHOLOGICAL SCIENCE

Areas of study: Analytical problem-solving, applied skills, interpreting research findings, scientific principles, statistical methods, testing and assessment
Recommended studies: Mathematics, Biology

REGIONAL AND URBAN PLANNING

Areas of study: Environmental planning, global environmental issues, legal studies, protected area management, sociology, sustainable planning, transport
Recommended studies: Design and Technology, Economics, English (Advanced), Geography, Legal Studies, Society and Culture

SCIENCE

Areas of study: Biology, engineering, environmental chemistry, human biology, information technology, mathematics, psychology
Recommended studies: Biology, Chemistry, Mathematics

SCIENCE (ASSOC DEG)
SCIENCE (DIP)

Recommended studies: Biology, Chemistry, Mathematics

SOCIAL SCIENCE

Areas of study: Politics and government, sociology
Recommended studies: Society and Culture
Assumed knowledge: Any two units of English

SOCIAL WELFARE

Areas of study: Children and young people, health and disability, Indigenous studies
Assumed knowledge: Any two units of English

SPEECH PATHOLOGY

Areas of study: Audiology, cultural competency, multi-modal communication neurology, phonetics and linguistics, principles of evidence-based practice
Recommended studies: Biology
Assumed knowledge: English (Advanced)

SPORT AND EXERCISE SCIENCE

Areas of study: Education, exercise science, nutrition
Recommended studies: Mathematics, any two units of English, one or more of Biology, Chemistry, Physics, Personal Development, Health and Physical Education (PDHPE)

TOURISM AND HOSPITALITY MANAGEMENT

Areas of study: Casino and gaming, hotels and resorts, tourism
Recommended studies: Any two units of English plus Business Studies and/or Hospitality

VISUAL ARTS

Areas of study: Ceramics, curating, digital art and design, drawing, painting, printmaking, sculpture
Recommended studies: Visual Arts
Additional selection criteria: Interview, portfolio

DOUBLE DEGREES

Refer to the assumed knowledge and recommended studies for both components of the double degrees.

- Business/Arts
- Business/Laws
- Environmental Science/Marine Science and Management
- Environmental Science/Planning
- Legal and Justice Studies/Laws
- Music/Laws
- Social Science/Laws
- Sport and Exercise Science/Laws

EDUCATION / TEACHING (COMBINED DEGREES)

- Arts/Education (Primary)
- Arts/Education (Primary/Early Childhood)
- Arts/Education (Primary/Secondary)
- Arts/Education (Secondary)
- Technology/Education (Secondary)

Top Education Institute

www.top.edu.au
CRICOS provider number 02491D

Sydney City School of Law
Sydney City School of Business
Part of Top Education Institute

Enquiries

by post: Top Education Institute
Suite 1, Biomedical Building
1 Central Avenue
Australian Technology Park
Eveleigh NSW 2015

in person: Suite 1, Biomedical Building,
1 Central Avenue, Australian Technology Park
Eveleigh NSW 2015

telephone: (02) 9209 4888
fax: (02) 9209 4887
email: admission@top.edu.au

READ THIS FIRST

Top Education Institute offers courses through the Sydney City School of Business (SCSB) and the Sydney City School of Law (SCSL) on-campus in the Australian Technology Park, Sydney.

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

Sydney City School of Business

APPLIED FINANCE AND ACCOUNTING
APPLIED FINANCE AND ACCOUNTING (DIP)

Areas of study: Accounting, economics, finance, financial planning, financial systems and instruments, law, management, security analysis and pricing
Recommended studies: Mathematics

BUSINESS (DIP)

Areas of study: Accounting, economics, finance, management, statistics
Recommended studies: Business Studies

INTERNATIONAL BUSINESS

Areas of study: Accounting, business, economics, finance, law, management, statistics
Recommended studies: Business Studies

Sydney City School of Law

LAWS

Areas of study: Law, including commercial, international, criminal, technology, environmental, cyber and property law
Assumed knowledge: Any two units of English
Recommended studies: English (Advanced)

Torrens University Australia (including APM College)

www.torrens.edu.au
CRICOS provider number 03389E

Enquiries

by post: Torrens University Australia
1–5 Hickson Road
The Rocks NSW 2000

in person: 1–5 Hickson Road
The Rocks NSW 2000

telephone: 1300 880 610
email: enquiries@apm.edu.au
facebook: www.facebook.com/TorrensUni
instagram: www.instagram.com/torrensuni

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

BUSINESS

Event Management
Marketing
Public Relations
Sports Management

Areas of study: Business accounting, business and law, economics, ethics and sustainability, marketing, project management, strategic management
Recommended studies: Business Studies

BUSINESS (DIP)

Areas of study: Financial planning, project management, marketing, risk management
Requirements: None

BUSINESS ADMINISTRATION (DIP)

Areas of study: Administrative systems, financial planning, project management, risk management
Requirements: None

COMMERCE

Recommended studies: Business Studies, Mathematics

EVENT MANAGEMENT (DIP)

Areas of study: Event planning and management, hospitality accounting, risk management
Requirements: None

INTERNATIONAL BUSINESS (DIP)

Areas of study: Financial planning and reporting, international marketing, market analysis, project management, risk management
Requirements: None

MARKETING (DIP)

Areas of study: Consumer behaviour, market trends and development, marketing activities
Requirements: None

PROJECT MANAGEMENT (DIP)

Areas of study: Communication, financial planning, project management, resourcing, team management
Requirements: None

University of Canberra

www.canberra.edu.au
CRICOS provider number 00212K

Enquiries

by post: Student Administration
Locked Bag 1
University of Canberra
ACT 2601

in person: Student Central
Level B, Building 1
Kirinari Street
University of Canberra
Bruce ACT 2617

telephone: 1800 UNI CAN (1800 864 226)
fax: (02) 6201 5040
email: study@canberra.edu.au

READ THIS FIRST

There are no course prerequisites into degree courses at UC.

UC's Subject Bonus Scheme recognises performance in relevant HSC subjects by awarding bonus points to students applying to UC after Year 12. For more information about UC's Subject Bonus Scheme, visit www.canberra.edu.au/future-students/applications/apply-now/alternative-entry/bonus-points.

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

ACCOUNTING

Areas of study: Auditing, finance, financial and management accounting, law, systems theory
Recommended studies: *ACT:* English T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major), *NSW:* English (Advanced), Mathematics

ADVERTISING

Areas of study: Advertising, brand management, communication studies
Requirements: None

APPLIED ECONOMICS

Areas of study: Professional economics
Recommended studies: *ACT:* English T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major) *NSW:* English (Advanced), Mathematics

ARCHITECTURE

Areas of study: Architecture design
Requirements: None

ARTS

Areas of study: Accounting, advertising, applied economics, applied statistics, architecture history and theory, communication studies, community development, community studies, counselling studies, creative writing, cultural heritage practice, digital design and production, English language and literature, event management, financial services, governance and policy, graphic design studio, human nutrition, Indigenous studies, information systems, integrated environmental management, international studies, journalism, justice studies, language studies, law and society, law and technology, literary studies, management, managing human resources, marketing, media and public affairs, media arts, museum studies, national security, politics and government, politics and international relations, psychology, public relations, service management, sociology and social policy, sport business, sport management, storytelling, teaching English to speakers of other languages (TESOL), tourism management, web design and production
Requirements: None

AUSTRALIAN POLITICS AND PUBLIC POLICY

Areas of study: Australian politics, public policy
Requirements: None

BIOMEDICAL SCIENCE

Areas of study: Human biology: chemical and molecular principles, human biology: from cells to organism
Recommended studies: *ACT:* Biology T (Major) and/or Chemistry T (Major), Mathematical Methods T (Major) *NSW:* Biology and/or Chemistry, Mathematics

BUILDING AND CONSTRUCTION MANAGEMENT

Areas of study: Building and construction management
Requirements: None

BUSINESS ADMINISTRATION

Areas of study: Business administration
Recommended studies: *ACT:* Mathematical Methods T (Major)
NSW: Mathematics

BUSINESS INFORMATICS

Areas of study: Business informatics, information systems
Requirements: None

COMMERCE

Areas of study: Accounting, banking and financial services, business administration, economics, financial planning, human resource management, information systems, international business, marketing management, public sector management, tourism management
Recommended studies: *ACT:* Mathematical Methods T (Major)/Specialist Mathematics T (Major), English T (Major) *NSW:* Mathematics, English (Advanced)

DESIGN

Areas of study: Design, industrial design, interior architecture, landscape architecture
Recommended studies: *ACT:* Mathematical Methods T (Major)/Specialist Mathematics T (Major), English T (Major) *NSW:* Mathematics, English (Advanced)
Additional selection criteria: Students may be considered for entry based on portfolio submission and/or interview

EDUCATION

Areas of study: Early childhood, key learning areas, primary curriculum and pedagogy, teacher professional practice
Recommended studies: *ACT:* English T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major) *NSW:* English (Advanced), Mathematics

Requirements for teaching courses are currently under review. Check with the University for specific requirements.

EDUCATIONAL STUDIES

Areas of study: International education, primary curriculum and pedagogy
Requirements: None

This course is not a teaching qualification.

ENGINEERING IN NETWORK AND SOFTWARE ENGINEERING

Areas of study: Network engineering
Recommended studies: *ACT:* Mathematical Methods T (Major)/Specialist Mathematics T (Major), English T (Major) *NSW:* Mathematics, English (Advanced)

ENTREPRENEURSHIP AND INNOVATION

Areas of study: Entrepreneurial management
Requirements: None

ENVIRONMENTAL SCIENCE

Areas of study: Applied ecology, coastal marine science, earth science, ecological conservation, environmental assessment, environmental chemistry, environmental genetics, environmental management, integrated environmental management, sustainability, water science
Recommended studies: *ACT:* Mathematical Methods T (Major), Biology T (Major) and/or Chemistry T (Major) *NSW:* Mathematics, Biology and/or Chemistry

EVENT AND TOURISM MANAGEMENT

Areas of study: Event and tourism management
Requirements: None

EXERCISE PHYSIOLOGY AND REHABILITATION

Areas of study: Sport coaching, sports science
Recommended studies: *ACT:* Biology T (Major), Chemistry T (Major), Mathematical Methods T (Major) and Physics T (Major) *NSW:* Biology, Chemistry, Mathematics, Physics

A National Police Check and Working with Vulnerable People clearance is required for placement units.

FILM PRODUCTION

Areas of study: Film production
Requirements: None

FINANCE

Areas of study: Banking and financial services, financial planning
Recommended studies: *ACT:* English T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major), *NSW:* English (Advanced), Mathematics

FORENSIC STUDIES

Areas of study: Forensic biology, forensic chemistry
Recommended studies: *ACT:* Biology T (Major) and/or Chemistry T (Major), Mathematical Methods T (Major) *NSW:* Biology and/or Chemistry, Mathematics

GRAPHIC DESIGN

Areas of study: Digital design and production, graphic design studio
Requirements: None

HERITAGE, MUSEUMS AND CONSERVATION

Areas of study: Conservation, cultural heritage practice, heritage studies, museum studies
Requirements: None

HUMAN NUTRITION

Areas of study: Human nutrition
Recommended studies: *ACT:* Chemistry T (Major), Mathematical Methods T (Major) *NSW:* Chemistry, Mathematics

HUMAN RESOURCE MANAGEMENT

Areas of study: Human resource management
Requirements: None

INDUSTRIAL DESIGN

Areas of study: Industrial design
Recommended studies: *ACT:* English T (Major), Mathematical Methods T (Major) *NSW:* Mathematics, English (Advanced)
Additional selection criteria: Students may be considered for entry based on portfolio submission and/or interview

INFORMATION TECHNOLOGY

Areas of study: Information systems, software engineering
Recommended studies: *ACT:* Mathematical Methods T (Major)/Specialist Mathematics T (Major), English T (Major) *NSW:* English (Advanced), Mathematics

INTERIOR ARCHITECTURE

Areas of study: Commercial design; exhibition design; film, TV and stage set design; furniture design; heritage interiors; hospitality design; residential design; retail design
Recommended studies: *ACT:* English T (Major) and Mathematical Methods T (Major)/Specialist Mathematics T (Major) *NSW:* English (Advanced), Mathematics
Additional selection criteria: Students may be considered for entry based on portfolio submission and/or interview

INTERNATIONAL BUSINESS

Areas of study: International business
Requirements: None

INTERNATIONAL STUDIES

Areas of study: International studies
Requirements: None

JOURNALISM

Areas of study: Communication studies, journalism
Requirements: None

JUSTICE STUDIES

Areas of study: Justice studies
Requirements: None

LANDSCAPE DESIGN

Areas of study: Landscape design
Recommended studies: *ACT:* English T (Major) and Mathematical Methods T (Major)/Specialist Mathematics T (Major) *NSW:* English (Advanced), Mathematics
Additional selection criteria: Students may be considered for entry based on portfolio submission and/or interview

LAW

LAW (COMBINED)

The following combined Law courses are offered:

- Applied Economics/Laws
- Arts/Laws
- Australian Politics and Public Policy/Laws
- Business Informatics/Laws
- Commerce/Laws
- Communication in Advertising/Laws
- Communication in Journalism/Laws
- Communication in Media and Public Affairs/Laws
- Communication in Public Relations/Laws
- Forensic Studies/Laws
- Human Resource Management/Laws
- International Studies/Laws
- Management/Laws
- Politics and International Relations/Laws
- Science/Laws
- Science in Psychology/Laws
- Social Science/Laws
- Sports Media/Laws

Requirements: *For law:* None *For the other areas of study:* Refer to the relevant entry requirements

MANAGEMENT

Areas of study: Entrepreneurial management, government and politics, governance and policy, management, public sector management
Requirements: None

MARKETING MANAGEMENT

Areas of study: Marketing management
Requirements: None

MEDIA AND PUBLIC AFFAIRS

Areas of study: Communication studies, media and public affairs
Requirements: None

MEDIA ARTS AND PRODUCTION

Areas of study: Advanced media arts
Requirements: None

MEDICAL SCIENCE

Areas of study: Biological chemistry, human biology: from cells to organism
Recommended studies: *ACT:* Chemistry T (Major) and Mathematical Methods T (Major)/Specialist Mathematics T (Major) *NSW:* Chemistry, Mathematics

MIDWIFERY

Areas of study: Midwifery practice theory, midwifery professional theory, midwifery theory
Recommended studies: *ACT:* Biology T (Major), Chemistry T (Major), English T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major) *NSW:* Biology, Chemistry, English (Advanced), Mathematics
Additional selection criteria: Supplementary application form, CV

All students enrolled in B Midwifery are required to undergo a National Police Check prior to undertaking clinical experience. All students are also required to present an immunisation history.

NURSING

Areas of study: Nursing inquiry, professional nursing practice
Recommended studies: *ACT:* Biology T (Major), Chemistry T (Major), English T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major) *NSW:* Biology, Chemistry, English (Advanced), Mathematics

All students enrolled in B Nursing are required to undergo a National Police Check prior to undertaking clinical experience. All students are also required to present an immunisation history.

PHARMACEUTICAL SCIENCE

Areas of study: Pharmaceutical science
Recommended studies: *ACT:* Chemistry T (Major), Mathematical Methods T (Major) *NSW:* Chemistry, Mathematics

A National Police Check and full vaccination history may be required for the professional practice unit.

PHARMACY

Areas of study: Pharmacotherapeutics, pharmacy practice
Recommended studies: *ACT:* Mathematical Methods T (Major) plus Biology T (Major) or Human Movement T (Major) plus Chemistry T (Major) or Physics T (Major) *NSW:* Mathematics plus Biology or Personal Development, Health and Physical Education (PDHPE) plus Chemistry or Physics

All students are required to undergo a National Police Check prior to undertaking clinical experience. All students are also required to present an immunisation history.

PHYSIOTHERAPY

Areas of study: Physiotherapy interventions, physiotherapy practice
Recommended studies: *ACT:* Mathematical Methods T (Major), Biology T (Major) or Human Movement T (Major) plus Chemistry T (Major) or Physics major *NSW:* Mathematics, Biology or Personal Development, Health and Physical Education (PDHPE) plus Chemistry or Physics

All students are required to undergo a National Police Check prior to undertaking clinical experience. All students are also required to present an immunisation history and first-aid certificates, including CPR.

POLITICS AND INTERNATIONAL RELATIONS

Areas of study: Politics and international relations
Requirements: None

All students must satisfy a security check for the national security internships.

PSYCHOLOGY

Areas of study: Psychological science
Requirements: None

PUBLIC ADMINISTRATION

Areas of study: Public sector management
Requirements: None

PUBLIC HEALTH

Areas of study: Biology, community development, community studies, counselling studies, human biology: chemical and molecular principles, human biology: from cells to organism, human nutrition, information systems, international studies, management, management, governance and policy, marketing, pre-physiotherapy, psychology: an introduction, public health, sports science, sustainability
Requirements: None

PUBLIC RELATIONS

Areas of study: Communication studies, public relations
Requirements: None

SCIENCE

Areas of study: Applied ecology, applied statistics, biology, chemistry, ecological conservation, environmental assessment, human biology: chemical and molecular principles, human biology: from cells to organism, human nutrition, information systems, integrated environmental management, psychological science, software engineering, sports science, water science
Recommended studies: *ACT:* Biology T, English T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major) plus Chemistry T or Physics T major *NSW:* Biology, English (Advanced), Mathematics plus Chemistry or Physics

SOCIAL SCIENCE

Areas of study: Indigenous studies, Sociology and social policy
Requirements: None

SOFTWARE ENGINEERING

Areas of study: Software engineering
Recommended studies: *ACT:* Mathematical Methods T (Major) *NSW:* Mathematics

SPORT AND EXERCISE SCIENCE

Areas of study: Sport coaching, sports science
Recommended studies: *ACT:* Biology T (Major), Chemistry T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major), Physics T (Major) *NSW:* Biology, Chemistry, Mathematics, Physics

A National Police Check may be required for practical placement units.

SPORTS MANAGEMENT

Areas of study: Sport management
Recommended studies: *ACT:* Mathematical Methods T (Major)/ Specialist Mathematics T (Major), English T (Major) *NSW:* Mathematics, English (Advanced)

A National Police Check may be required for practical placement units.

SPORTS MEDIA

Areas of study: Journalism, sports media
Recommended studies: *ACT:* History T (Major) *NSW:* Modern History

URBAN AND REGIONAL PLANNING

Areas of study: Urban and regional planning
Requirements: None

WEB DESIGN AND PRODUCTION

Areas of study: Web design and production
Requirements: None

WRITING

Areas of study: Creative writing, literary studies
Requirements: None

COMBINED DEGREES

If you intend to undertake combined degrees check the assumed knowledge and recommended studies for both degrees. Contact the University of Canberra for further details.

The University of Canberra currently offers combined degrees in:

- Advertising/Laws
- Applied Economics/Commerce
- Applied Economics/Laws
- Applied Economics/Management
- Arts/Advertising
- Arts/Commerce
- Arts/Information Technology
- Arts/Journalism
- Arts/Laws
- Arts/Management
- Arts/Media and Public Affairs
- Arts/Media Arts and Production
- Arts/Psychology
- Arts/Public Relations
- Australian Politics and Public Policy/Journalism
- Australian Politics and Public Policy/Laws
- Australian Politics and Public Policy/Media and Public Affairs
- Building and Construction Management/Laws
- Business Administration/Business Informatics
- Business Administration/Management
- Business Informatics/Laws
- Commerce/Advertising
- Commerce/Event and Tourism Management
- Commerce/Journalism
- Commerce/Laws
- Commerce/Media and Public Affairs
- Commerce/Public Relations
- Design/Landscape Architecture
- Education/Arts
- Education/Science
- Event and Tourism Management/Sports Management
- Forensic Studies/Laws
- Graphic Design/Advertising
- Human Resource Management/Laws
- Information Technology/Commerce
- Information Technology/Media Arts and Production
- International Studies/Advertising
- International Studies/Commerce
- International Studies/Event and Tourism Management
- International Studies/Journalism
- International Studies/Laws
- International Studies/Management
- International Studies/Media and Public Affairs
- International Studies/Media Arts and Production
- International Studies/Public Relations
- Journalism/Laws
- Justice Studies/Forensic Studies
- Landscape/Environmental Science
- Management/Laws
- Management/Psychology
- Marketing Management/Advertising
- Media and Public Affairs/Laws
- Politics and International Relations/Applied Economics
- Politics and International Relations/Business Administration
- Politics and International Relations/Commerce
- Politics and International Relations/Journalism
- Politics and International Relations/Laws
- Politics and International Relations/Media and Public Affairs
- Politics and International Relations/Psychology
- Psychology/Laws
- Psychology/Sport and Exercise Science
- Public Relations/Event and Tourism Management
- Public Relations/Laws
- Science/Journalism
- Science/Laws
- Social Science/Laws
- Software Engineering/Business Informatics
- Sport and Exercise Science/Human Nutrition
- Sport and Exercise Science/Information Technology
- Sport and Exercise Science/Sports Management
- Sports Media/Laws

University of New England

www.une.edu.au
CRICOS provider number 00003G

Enquiries

by post: Student Central
University of New England
Armidale NSW 2351

in person: Student Central
Dixson Library Learning Commons
University of New England
Armidale NSW 2351

telephone: Freecall 1800 818 865
email: via www.une.edu.au/askune

READ THIS FIRST

- Competence in the English language is a requirement for all University of New England courses.
- English (Standard) is not regarded as adequate preparation for the study of English Literature at the University of New England.
- When you read 'any two units of science' this can include Biology, Chemistry, Physics, Earth and Environmental Science or Senior Science.
- Foundation-level units in chemistry, mathematics and physics are available for students who do not have a background in these areas.

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

ACCOUNTING

Areas of study: Advanced accounting, agribusiness, finance, financial planning
Assumed knowledge: Any two units of English
Recommended studies: Any two units of mathematics

AGRIBUSINESS

Areas of study: Agribusiness, economics, finance, marketing and management, rural science
Assumed knowledge: Any two units of English
Recommended studies: Any two units of mathematics

AGRICULTURAL AND RESOURCE ECONOMICS

Assumed knowledge: Any two units of English
Recommended studies: Any two units of mathematics

AGRICULTURE

Areas of study: Animal production, general agricultural production, plant production
Assumed knowledge: Any two units of English, Mathematics
Recommended studies: Biology, Chemistry

AGRIFOOD SYSTEMS

Areas of study: Crop production, livestock production, poultry production, production horticulture
Assumed knowledge: Any two units of English, Mathematics General 2
Recommended studies: Agricultural Science, Biology

ANIMAL SCIENCE

Areas of study: Canine and equine science, livestock production, wildlife management
Assumed knowledge: Any two units of English, Mathematics, Chemistry
Recommended studies: HSC Mathematics Extension 1, Biology

ARTS

Areas of study: Ancient history, archaeology, Asian studies, Australian history, Chinese (Mandarin), classical languages, criminology, English, French, German, history, human geography, Indigenous studies, Indonesian, international history, international studies, Islamic studies, Italian, Japanese, linguistics, music, peace studies, philosophy, physical geography, political studies, psychology, screen and media studies, sociology, Spanish, studies in religion, theatre and performance, writing
Assumed knowledge: Any two units of English

BUSINESS

Areas of study: Accounting, agribusiness, business analytics, economics, finance, financial management, financial planning, human resource management, information systems, international business, management, marketing
Assumed knowledge: Any two units of English
Recommended studies: Any two units of mathematics

COMPUTER SCIENCE

Areas of study: Applied modelling, software development
Recommended knowledge: Mathematics

CRIMINOLOGY

Assumed knowledge: Any two units of English

ECONOMICS

Areas of study: Applied econometrics, economics, economic development, environmental analysis and policy
Assumed knowledge: Any two units of English
Recommended studies: Any two units of mathematics

EDUCATION

Early Childhood and Primary
K–12 Teaching
Primary

Assumed knowledge: Minimum of three Band 5 and/or E3 HSC results, including one in English. See course entry requirements at https://my.une.edu.au/courses for full details.

Secondary Arts
Secondary Mathematics
Secondary Science

Assumed knowledge: *For Secondary Arts:* Any two units of English. *For Secondary Mathematics and Secondary Science:* Any two units of English plus Mathematics

ENGINEERING TECHNOLOGY

Areas of Study: Civil, environmental
Assumed knowledge: Any two units of English, Mathematics, Physics
Recommended studies: Depending on majors chosen, HSC Mathematics Extension 1, Chemistry

ENVIRONMENTAL SCIENCE

Areas of study: Management
Assumed knowledge: Any two units of English, Chemistry, Mathematics
Recommended Studies: HSC Mathematics Extension 1, Biology

GEOSCIENCE

Areas of study: Environmental Systems, Geospatial Systems, Mineral Systems
Assumed knowledge: Any two units of English, depending on degree subjects chosen, Mathematics, Chemistry
Recommended studies: Depending on degree subjects chosen, Biology and/or Physics, HSC Mathematics Extension 1

HISTORICAL INQUIRY AND PRACTICE

Assumed knowledge: Any two units of English
Recommended studies: Any two units of history

INTERNATIONAL STUDIES

Areas of study: Global politics and peace, languages, societies
Assumed knowledge: Any two units of English

LANGUAGES

Areas of study: Chinese (Mandarin), French, German, Indonesian, Italian, Japanese, Spanish
Assumed knowledge: Any two units of English

LANGUAGES AND INTERNATIONAL BUSINESS

Areas of study: Chinese (Mandarin), French, German, Indonesian, Italian, Japanese, Spanish
Assumed knowledge: Any two units of English
Recommended studies: Mathematics

LAW

LAW (DOUBLE DEGREES)

Assumed knowledge: *For Law:* Any two units of English *For the other area of study:* Refer to the relevant entry
The following double law courses are offered:

- Agriculture/Law
- Arts/Law
- Business/Law
- Computer Science/Law
- Criminology/Law
- Economics/Law
- Environmental Science/Law
- Science/Law

MEDIA AND COMMUNICATION STUDIES

Areas of study: Media and culture, writing and publishing
Assumed knowledge: Any two units of English

MEDICINE

Areas of study: Medicine
Recommended studies: Any two units of English
Additional selection criteria: Direct University Joint Medical Program Application Form, Undergraduate Medicine and Health Sciences Admission Test (UMAT), Multiple Skills Assessment (Interview), Personal Qualities Assessment (PQA)

The medical program is offered jointly by the University of Newcastle and the University of New England.

NURSING

Assumed knowledge: Any two units of English, any two units of science – refer to 'Read this first' information on the previous page

PHARMACY WITH HONOURS

Assumed knowledge: Mathematics or HSC Mathematics Extension 2, Chemistry
Recommended studies: Biology

PLANT SCIENCE

Areas of study: Evolutionary biology, physiological and molecular biology, plants in the environment
Assumed knowledge: Any two units of English, Mathematics and Chemistry (depending on major)
Recommended studies: Biology or HSC Mathematics Extension 1 (depending on major)

PSYCHOLOGICAL SCIENCE

Assumed knowledge: Any two units of English
Recommended studies: Any two units of mathematics

PSYCHOLOGY WITH HONOURS

Assumed knowledge: Any two units of English
Recommended studies: Any two units of mathematics

RURAL SCIENCE

Assumed knowledge: Any two units of English, Mathematics, Chemistry
Recommended studies: HSC Mathematics Extension 1, Biology

SCIENCE

Biomedical

Assumed knowledge: Chemistry, Mathematics
Recommended studies: Biology and/or Physics

Science

Areas of study: Animal science and veterinary studies, applied physics, archaeology, biochemistry/biotechnology, biodiversity, botany, chemistry, computational science, forensic science, genetics, geography, geoscience, mathematics, medical chemistry, microbiology, neuroscience, palaeobiology, physiology, psychology, zoology
Assumed knowledge: Mathematics, chemistry and/or physics (depending on major)
Recommended studies: Biology

Science (Dip)

Areas of study: Science pathways, medical sciences, general studies in science
Assumed knowledge: Any two units of English

SOCIAL SCIENCE

Areas of study: Aboriginal perspectives, business sustainability, criminology, development studies, health management, international and regional studies, international business, linguistics, marketing communications, media and communication, peace and security, political studies, psychology, social philosophy, sociology, urban and regional studies
Assumed knowledge: Any two units of English
Recommended studies: Any two units of mathematics

SOCIAL WORK

Recommended studies: Any two units of English

SPORTS AND EXERCISE SCIENCE

Clinical Exercise Physiology

Assumed knowledge: Any two units of mathematics
Recommended studies: Chemistry and/or Biology, health education, physical education, and/or physics

Exercise and Sports Science

Assumed knowledge: Any 2 units of Mathematics
Recommended studies: Chemistry and/or Biology, health education, physical education and/or physics

SUSTAINABILITY

Areas of study: Community engagement and development, cultural heritage management, environmental governance, environmental resilience, governance and regulation
Assumed knowledge: Any two units of English
Recommended studies: Any two units of mathematics

THEATRE AND PERFORMANCE

Assumed knowledge: Any two units of English

URBAN AND REGIONAL PLANNING

Assumed knowledge: Any two units of English

ZOOLOGY

Assumed knowledge: Any two units of English, Mathematics, Chemistry
Recommended studies: Biology, HSC Mathematics Extension 1

COMBINED AND DOUBLE DEGREES

If you intend to undertake combined or double degrees, check the prerequisites, assumed knowledge and recommended studies for both degrees. Contact the University for further details.

- Agriculture/Business
- Arts/Business
- Arts/Science
- Business/Economics

Double degrees in Law are also offered. Refer to main subject entry for details.

University of Newcastle

www.newcastle.edu.au
CRICOS provider number 00109J

THE UNIVERSITY OF NEWCASTLE AUSTRALIA

Enquiries

Newcastle campus (Callaghan)

by post: Student Services Centre
The University of Newcastle
University Drive
Callaghan NSW 2308

in person: Any Student Hub
Student Services Centre or Shortland Building
University Drive
Callaghan NSW 2308
A Student Hub is also located at University House in the Newcastle City Precinct

telephone: (02) 4921 5000
fax: (02) 4985 4200
email: www.newcastle.edu.au/askuon

Central Coast campus (Ourimbah)

by post: Student Hub
The University of Newcastle
Central Coast Campus
PO Box 127
Ourimbah NSW 2258

in person: Student Hub
Chittaway Road
Ourimbah NSW 2258

telephone: (02) 4348 4000
fax: (02) 4348 4035
email: www.newcastle.edu.au/askuon

Port Macquarie campus

by post: The University of Newcastle
PO Box 210
Cnr Oxley Highway and Widderson Street
Port Macquarie NSW 2444

in person: Port Macquarie Student Hub
A Block, Administration
Widderson Street
Port Macquarie NSW 2444

telephone: (02) 4921 5000
fax: (02) 6581 6263
email: www.newcastle.edu.au/askuon

READ THIS FIRST

- Competence in the English language is a requirement for all University of Newcastle courses. All courses at the University of Newcastle have assumed knowledge of any two units of English.
- The University of Newcastle recognises performance in relevant HSC subjects. For information about the University of Newcastle's HSC Bonus Points Scheme, visit www.newcastle.edu.au.
- The University of Newcastle offers a number of refresher and preparation courses to assist students who may not have the recommended studies or assumed knowledge requirements. The preparation courses are offered before term commences and cover many areas, such as mathematics, chemistry, physics and other specific academic skills. Information about preparation courses is available on the University of Newcastle's website at www.newcastle.edu.au/future-students/uonprep-bridging-courses/about-uonprep-bridging-courses.

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

ABORIGINAL STUDIES

Areas of study: Aboriginal cultural studies, Aboriginal research methods and field practice, communication studies
Requirements: None

ARCHITECTURE

Recommended studies: Any two units of English and History, plus one or more of the following: Design and Technology, Industrial Technology, Visual Arts

ARTS

Areas of study: Aboriginal studies; ancient history and classical languages; creative and performing arts; English and writing; film, media and cultural studies; French studies; German; history; human geography and the environment; Japanese studies; linguistics; modern languages; philosophy and religion; politics and international relations; psychology studies*; sociology and anthropology
Recommended studies: *For psychology studies:* Mathematics
For all other majors: English (Advanced)

Not all majors have courses available on both the Newcastle and Central Coast campuses. Contact the University for further information.

** Psychology studies is not accredited by the Australian Psychology Accreditation Council (APAC).*

BIOMEDICAL SCIENCE

Areas of study: Anatomy, cell biology, human bioscience, human genetics and bioinformatics, human pharmacology, immunology, medical biochemistry, microbiology, molecular biology, neuroscience, nutrition, pathophysiology, research and practical laboratory skills, virology
Assumed knowledge: A strong background in the basic sciences including Biology, Chemistry, Physics, Mathematics

The academic content of this program is under review.

BIOTECHNOLOGY

Areas of study: Biotechnology, cell and molecular biology, microbiology and molecular genetics
Assumed knowledge: Chemistry, Mathematics
Recommended studies: Physics

BUSINESS

Areas of study: Entrepreneurship and innovation, governance policy and political economy, human resource management, international business, leadership and management, marketing, sports management, tourism management
Assumed knowledge: Mathematics

COMMERCE

Areas of study: Accounting, actuarial studies and risk management, economics, finance
Assumed knowledge: Mathematics

COMMUNICATION

Areas of study: Journalism, media production, media studies, public relations
Assumed knowledge: Any two units of English

COMPUTER SCIENCE

Assumed knowledge: Mathematics (Band 5 or above)
Recommended studies: HSC Mathematics Extension 1 or higher plus any two units of science

CONSTRUCTION MANAGEMENT

Areas of study: Building surveying, construction management, quantity surveying
Recommended studies: Mathematics, any two units of English

CREATIVE INDUSTRIES

Areas of study: Communication and media, creative and performing arts, design, information technology, music production and technology, visual art, writing and publishing
Recommended studies: One of Design and Technology, Drama, Information Processes and Technology, Music, Software Design and Development, Visual Arts
Assumed knowledge: Any two units of English

DEVELOPMENT STUDIES

Areas of study: Cultures and citizenship, environmental sustainability, globalisation and economic development, urban and regional development
Requirements: None

ENGINEERING

Chemical, civil, computer, electrical, environmental, mechanical, mechatronics, mining (transfer program), software, surveying

Assumed knowledge: Mathematics (Band 5 or above). One science-related subject would also be an advantage (physics or chemistry preferred).
Applicants who have achieved less than Mathematics Band 5 may be admitted to the program but may need to complete additional study to successfully complete the requirements of the program.
Applicants who have completed HSC Mathematics General 2 may be admitted to the program but can expect to undertake additional studies to successfully complete the requirements of the program.
Recommended studies: HSC Mathematics Extension 1 or equivalent, study of one science-related subject (physics or chemistry preferred)

The academic content of these programs is under review to provide a new range of options to suit all engineering students.

ENVIRONMENTAL SCIENCE AND MANAGEMENT

Areas of study: Earth systems, ecosystems and biodiversity, marine science, sustainability
Assumed knowledge: Biology, Chemistry, Mathematics

EXERCISE AND SPORT SCIENCE

Assumed knowledge: At least two of Biology, Chemistry, Mathematics or Physics
Recommended studies: Personal Development, Health and Physical Education (PDHPE)

Central Coast campus only.

FOOD SCIENCE AND HUMAN NUTRITION

Recommended studies: Biology and Chemistry and Mathematics

Central Coast campus only.

INDUSTRIAL DESIGN

Areas of study: Industrial design
Additional selection criteria: TAFE Advanced Diploma in Industrial Design or equivalent

The first three years of this program are completed at TAFE, followed by one year full-time at the University of Newcastle. Contact the University for further information.

INFORMATION TECHNOLOGY

Areas of study: Data analytics, digital media and entertainment, enterprise information technology, software development and applications
Assumed knowledge: Any two units of English

INNOVATION AND ENTREPRENEURSHIP

Areas of study: Advanced innovation management, entrepreneurial and innovation diversity, entrepreneurial strategy, innovation and technical management, leadership and ethics
Assumed knowledge: Mathematics

The B Innovation and Entrepreneurship must be combined with a B Business or B Commerce. The degree you choose to combine with will include courses and majors specific to that program.

LANGUAGES

Areas of study: Auslan, French, German, Greek, Japanese, Latin
Requirements: None

LAWS (COMBINED)

The following combined Law courses are offered:

- Aboriginal Professional Practice/Laws (Honours)
- Arts/Laws (Honours)
- Business/Laws (Honours)
- Commerce/Laws (Honours)
- Communication/Laws (Honours)
- Science/Laws (Honours)
- Social Science/Laws (Honours)

Assumed knowledge: *For Laws:* None *For other area of study:* Refer to the relevant entry
Recommended studies: *For Laws:* None *For other area of study:* Refer to the relevant entry

MATHEMATICS

Areas of study: Applied mathematics, pure mathematics, statistics, studies in mathematics and statistics
Assumed knowledge: Mathematics
Recommended studies: HSC Mathematics Extension 1

MEDICAL RADIATION SCIENCE

Areas of study: Diagnostic radiography, nuclear medicine, radiation therapy
Assumed knowledge: Any two units of English plus Mathematics or Physics

MEDICINE

Areas of study: Medicine
Recommended studies: Any two units of English
Additional selection criteria: Direct University Joint Medical Program Application Form, Undergraduate Medicine and Health Sciences Admission Test (UMAT), Multiple Skills Assessment (Interview), Personal Qualities Assessment (PQA)

The medical program is offered jointly by the University of Newcastle and the University of New England.

MIDWIFERY

Areas of study: Midwifery
Assumed knowledge: Biology, Chemistry, any two units of English (Band 4 or higher), Mathematics General 2
Additional selection criteria: Direct University B Midwifery Clinical Placement Preference Application Form, Personal Qualities Assessment (PQA) and current nationally accredited first-aid certificate

MUSIC

Areas of study: Composition, creative music production, performance (instrument/voice), song writing
Assumed knowledge: AMEB (Grade 6 to 8 pass) or equivalent or demonstrated musical expertise or Music 1, English (Advanced)
Additional selection criteria: Audition, interview, tests

NATURAL HISTORY ILLUSTRATION

Areas of study: Natural history illustration
Recommended studies: Any of Biology, Design and Technology, Geography, Senior Science, Textiles and Design, Visual Arts

NURSING

Areas of study: Nursing
Assumed knowledge: Any two units of English plus Mathematics General 2, Chemistry and/or Biology
Additional selection criteria: Current nationally accredited first-aid certificate, appropriate ICT skills

NUTRITION AND DIETETICS

Areas of study: Dietetics, nutrition
Recommended studies: Chemistry

OCCUPATIONAL THERAPY

Areas of study: Occupational therapy
Recommended studies: Biology, Mathematics

ORAL HEALTH THERAPY

Areas of study: Oral health therapy
Recommended studies: Biology, Chemistry

Central Coast campus only.

PHARMACY

Areas of study: Pharmacy
Assumed knowledge: English (Advanced), Chemistry, Physics
Recommended studies: HSC Mathematics Extension 1 or HSC Mathematics Extension 2 or Mathematics (Band 5 or higher)

PHYSIOTHERAPY

Areas of study: Physiotherapy
Assumed knowledge: English (Advanced) plus Chemistry and either Biology or Physics

PODIATRY

Areas of study: Podiatry
Assumed knowledge: Chemistry, Physics, any two units of mathematics

Central Coast campus only.

PSYCHOLOGY

Assumed knowledge: Mathematics
Recommended studies: Biology

SCIENCE

Areas of study: Biological sciences, chemistry, earth sciences, geography, marine science, mathematics co-major, photonics, physics, psychology, statistics co-major, sustainable resource management
Assumed knowledge: Mathematics
Recommended studies: Biology and/or Chemistry and/or Physics depending on the major

Not all majors have courses available on both the Newcastle and Central Coast campuses. Contact the University for further information.

SOCIAL SCIENCE

Areas of study: Aboriginal studies, community welfare and human services, history, human geography and the environment, human resource management and industrial relations, leisure and tourism management, linguistics, politics and international relations, psychology studies*, sociology and anthropology
Recommended studies: *For psychology:* Mathematics *For all other majors:* English (Advanced). Other related subjects such as Geography, history, Society and Culture are recommended depending on the major.

Not all majors have courses available on both the Newcastle and Central Coast campuses. Contact the University of Newcastle for further information.

** Psychology is not accredited by the Australian Psychology Accreditation Council (APAC).*

SOCIAL WORK

Areas of study: Aboriginal studies, philosophy, psychology, social work, sociology and anthropology
Recommended studies: *For psychology:* Mathematics

SPEECH PATHOLOGY

Areas of study: Anatomy, bioscience, linguistics, neuroscience, psychology, speech pathology
Recommended studies: Biology and Chemistry, English (Advanced), Mathematics

TEACHING

Arts (Primary Teaching Specialisation)

Areas of study: Aboriginal and Indigenous studies, creative arts, English, global education and sustainable communities, health and physical education, languages and cultural studies, mathematics, religious education, science and technology, special education, teaching English as an additional language

Assumed knowledge: HSC Band 5 results in a minimum of three subjects, one of which must be English

Arts (Secondary Teaching Specialisations)

Areas of study: Aboriginal studies, business studies, drama, economics, English, French, geography, German, Japanese, legal studies, modern and ancient history, society and culture, studies of religion

Assumed knowledge: HSC Band 5 results in a minimum of three subjects, one of which must be English. HSC study in area of preferred teaching specialisation

The Primary Teaching Specialisation strand is available at the Port Macquarie campus only.

Early Childhood Studies

Areas of study: Early childhood studies, primary teaching (K–6)

Assumed knowledge: HSC Band 5 results in a minimum of three subjects, one of which must be English

Health and Physical Education

Areas of study: Personal development, health and physical education (PDHPE) teaching, special education, sports science

Assumed knowledge: HSC Band 5 results in a minimum of three subjects, one of which must be English

Recommended studies: Personal Development, Health and Physical Education (PDHPE) plus either Biology or Chemistry or Physics

Mathematics

Areas of study: Mathematics, special education, statistics

Assumed knowledge: HSC Band 5 results in a minimum of three subjects, one of which must be English

Recommended studies: HSC Mathematics Extension 1

Music

Areas of study: Students seeking to teach music should complete a Bachelor of Music then a Master of Teaching

Science

Areas of study: Biology, chemistry, earth and environmental science, geology, marine systems, mathematics, physics

Assumed knowledge: HSC Band 5 results in a minimum of three subjects, one of which must be English

Recommended studies: Biology and/or Chemistry and/or Physics depending on major*, Mathematics

Technology

Areas of study: Computing technology, design and technology, design software, engineering technology, food technology, industrial technology, information systems, textiles technology

Assumed knowledge: HSC Band 5 results in a minimum of three subjects, one of which must be English

Recommended studies: Chemistry, Mathematics plus Design and Technology or Engineering Studies or Food Technology or Industrial Technology or Textiles and Design or Visual Arts

** Contact the University for further information.*

TECHNOLOGY (RENEWABLE ENERGY SYSTEMS)

Areas of study: Carbon accounting and energy auditing, electrical engineering design, energy systems

Additional selection criteria: TAFE NSW Associate Degree of Engineering (Renewable Energy Technologies) or overseas equivalent

The first two years of this program are completed at TAFE, followed by one year full-time or part-time equivalent at the University of Newcastle. Contact the University for further information.

VISUAL COMMUNICATION

Areas of study: Digital design, graphic and illustration design

Recommended studies: One or more of Design and Technology, Industrial Technology, Textiles and Design, Visual Arts

COMBINED PROGRAMS

If you intend to undertake combined programs, check the prerequisites, assumed knowledge and recommended studies for both programs.

Not all specialisations or majors within a program may be available within a combined program. Contact the University for further details.

- Arts/Science
- Business/Commerce
- Civil Engineering/Environmental Engineering
- Engineering/Business
- Engineering/Computer Science
- Engineering/Mathematics
- Engineering/Science
- Engineering/Surveying
- Information Technology/Business
- Mathematics/Computer Science
- Mathematics/Science
- Mechanical Engineering/Mechatronics Engineering
- Music/Arts

Combined programs in Laws are also offered – refer to main subject entry for details.

All programs are subject to routine review. This may result in slight variations in subject offerings.

The University of Sydney

http://sydney.edu.au
CRICOS provider number 00026A

Enquiries

by post: Admissions Level 4,
Jane Foss Russell Building
The University of Sydney NSW 2006

in person: Admissions, Level 3,
Jane Foss Russell Building (enter from City Road)
The University of Sydney NSW 2006

telephone: 1800 SYD UNI (1800 793 864) (Freecall)
email: via http://sydney.edu.au/ask-domestic
website: http://sydney.edu.au/future_students

READ THIS FIRST

- When you read Mathematics this refers to the HSC course titled Mathematics, not Mathematics General 2.
- A Course Prerequisite of Mathematics (Band 4 or higher) is required for courses in the areas of commerce, engineering and information technology, medicine, science, pharmacy and veterinary science, including combined courses. This means that you must have reached this minimum standard in your NSW HSC or equivalent before you will be offered a place in the course. If you do not have the required course prerequisite you cannot be selected for the course, even though you may have met the admission requirements.
- Most courses include Assumed Knowledge. This means you are expected to have studied these subjects in your NSW HSC or equivalent and you will be disadvantaged if you have not completed them. Some courses also require the study of certain units (eg mathematics, chemistry or physics) during your first year. Bridging courses in Chemistry, Physics, Biology, Mathematics and HSC Mathematics 1 are offered for students who have not met the minimum Assumed Knowledge requirements.
- Where Assumed Knowledge depends on first-year subjects chosen, see the relevant faculty handbook at http://sydney.edu.au/handbooks for the available subjects.

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

ANIMAL AND VETERINARY BIOSCIENCE

Areas of study: Animal behaviour, animal genetics and biotechnology, animal health and diseases, animal nutrition, animal production systems, animal structure and function, wildlife conservation and management
Course prerequisites: Mathematics (Band 4 or higher)
Assumed knowledge: Chemistry
Recommended studies: Biology

ARCHITECTURE

Architecture and Environments

Areas of study: Architectural and environmental design, architectural history and theory, architectural sciences and technologies, digital architecture and communications, property and sustainability, urban design and planning
Assumed knowledge: English (Advanced), Mathematics

Design in Architecture

Areas of study: Architectural communications, architectural design, architectural history and theory, architectural technologies, art workshops, environment and sustainability, professional practice
Assumed knowledge: English (Advanced), Mathematics

ARTS AND SOCIAL SCIENCES

Arts
Arts (Languages)
Arts (Media and Communication)

Areas of study: Agricultural economics, American studies, ancient history, anthropology, Arabic language and cultures, archaeology, art history, Asian studies, Australian literature, biblical studies, biochemistry*, bioinformatics*, biology*, Celtic studies, chemistry*, Chinese studies, classical studies, computer science*, cultural studies, digital cultures, econometrics, economics, education*, English, environmental and resource economics, environmental studies*, European studies, exchange, faculty scholars, film studies, financial economics, French studies, gender studies, geography*, geology and geophysics*, Germanic studies, government and international relations, Greek (ancient), Hebrew (classical and modern), history, history and philosophy of science*, Indigenous studies, Indonesian studies, industrial relations and human resource management*, information systems*, international and comparative literary studies, international and global studies*, Italian studies, Japanese studies, Jewish civilisation thought and culture, Korean studies, Latin, law*, linguistics, management*, mathematics*, media and communications*, microbiology*, modern Greek studies, music, philosophy, physics*, plant science*, political economy, psychology*, resource economics, Sanskrit, social policy, social work, socio-legal studies, sociology, Spanish and Latin American studies, studies in religion, statistics*, theatre and performance studies, world religions, writing
Assumed knowledge: Depends on first-year subjects chosen. See the relevant faculty handbook at http://sydney.edu.au/handbooks. In most cases, where a subject has a level of assumed knowledge, there is an alternative course available with no knowledge assumed

** Available under certain conditions.*

COMMERCE

Areas of study: Accounting, business analytics, business information systems, commercial law, econometrics, economics, finance, industrial relations and human resource management, international business, management, marketing
Course prerequisites: Mathematics (Band 4 or higher)
Assumed knowledge: Depends on first-year subjects chosen

Commerce (Liberal Studies)

Areas of study: Accounting, agricultural economics, business analytics, business information systems, commercial law, computer science, econometrics, economics, finance, financial mathematics, government and international relations, industrial relations and human resource management, international business, management, marketing, mathematics, political economy
Course prerequisites: Mathematics (Band 4 or higher)
Assumed knowledge: Depends on first-year subjects chosen

COMPUTER SCIENCE AND TECHNOLOGY

Computer Science and Technology
Computer Science and Technology (Advanced)

Areas of study: Computer science, information systems, mathematics, professional technology skills, systems analysis
Course prerequisites: Mathematics (Band 4 or higher)
Assumed knowledge: HSC Mathematics Extension 1 depending on first-year subjects chosen

DENTISTRY

Oral Health

Areas of study: Dental hygiene, dental therapy, oral health education and promotion
Assumed knowledge: Chemistry, Biology

Science (Advanced)/Doctor of Dental Medicine

Areas of study: Anatomy and histology, biochemistry, bioinformatics, biology, chemistry, computer science, financial mathematics and statistics, geography, geology and geophysics, immunobiology, marine

science, mathematics, medicinal chemistry, microbiology, nanoscience and technology, neuroscience, pharmacology, physics, physiology, plant science, statistics. All students undertake studies in biology *Doctor of Dental Medicine:* Clinical dentistry, life sciences, research project

Course prerequisites: Mathematics (Band 4 or higher)

Assumed knowledge: HSC Mathematics Extension 1 depending on first-year subjects chosen. All students in Science (Advanced) must take some study in mathematics

DESIGN COMPUTING

Areas of study: Creative computer programming, design thinking, digital design, human computer interaction, interaction design, modelling, physical computing and app design, user-centred design. Other related units and majors may be taken from fields including arts and social sciences, business, engineering, information technology, science.

Assumed knowledge: Mathematics

DIAGNOSTIC RADIOGRAPHY

Areas of study: Anatomy, biological sciences, clinical education, equipment and imaging techniques, image processing, pathology, physics, psychology, radiation biology

Recommended studies: Mathematics, one of Biology, Chemistry or Physics

ECONOMICS

Areas of study: Economics, econometrics, financial economics. Second area of study from those offered by the Business School (see Commerce) or Arts and Social Sciences.

Course prerequisites: Mathematics (Band 4 or higher)

Assumed knowledge: Other assumed knowledge depends on first-year subjects chosen

EDUCATION

Early Childhood

Areas of study: Child development and learning, education, learning studies (language, arts, mathematics, health and wellbeing science), professional studies

Assumed knowledge: Depends on first-year subjects chosen

Primary

Areas of study: Education and primary education

Assumed knowledge: Any two units of English (not ESL) (Band 5) and Band 5 in two other HSC subjects, Mathematics

Secondary

Areas of study: Health and physical education, humanities and social sciences, mathematics, science

Course prerequisites: *For Mathematics and Science*: Mathematics (Band 4 or higher)

Assumed knowledge: *For Health and physical education, and Humanities and social sciences:* Any two units of English (not ESL) (Band 5) and Band 5 in two other HSC subjects *For Mathematics and Science:* HSC Mathematics Extension 1 depending on subjects chosen; any two units of English (not ESL) (Band 5) and Band 5 in two other HSC subjects

All science students must take some study in mathematics. Graduates intending to teach science at a secondary level must complete at least one year of study in chemistry or physics during their degree

ENGINEERING HONOURS

Aeronautical
Biomedical
Chemical and Biomolecular
Civil
Electrical
Mechanical
Mechatronic
Software
Space Engineering major

Course prerequisites: Mathematics (Band 4 or higher)

Assumed knowledge: HSC Mathematics Extension 1 plus Chemistry and/or Physics

EXERCISE AND SPORT SCIENCE

Exercise Physiology
Exercise and Sport Science

Areas of study: Anatomy, biochemistry, biomechanics, learning and control of human movement, nutrition, physiology/exercise physiology and the application of these fundamental sciences to sport, exercise, ageing, rehabilitation, public health and research

Assumed knowledge: Chemistry, Mathematics

FOOD AND AGRIBUSINESS

Areas of study: *Agribusiness:* Agricultural trade, business, human resource management, international specialisation, marketing, quality assurance, retail, supply chain management, transport logistics, value adding *Food science:* Food biochemistry, food safety, global food security, international specialisation, microbiology, packaging, postharvest product development

Assumed knowledge: Chemistry, Mathematics

Recommended studies: Biology

HEALTH SCIENCES

Areas of study: Health sciences and a second major from: anatomy and histology, hearing and speech, industrial relations and human resources, languages, management, marketing, movement science, psychology, sociology

Assumed knowledge: *For Movement science:* Chemistry, Mathematics. *For other majors:* Depends on first-year subjects chosen

Recommended studies: *For Hearing and speech:* English (Advanced)

INFORMATION TECHNOLOGY

Areas of study: Computer science, databases, information systems, mathematics, programming, systems analysis

Course prerequisites: Mathematics (Band 4 or higher)

Assumed knowledge: HSC Mathematics Extension 1

INTERNATIONAL AND GLOBAL STUDIES

Areas of study: International and global studies and second major from anthropology, government and international relations, international business, political economy, sociology or an area study (American studies, Arab world, Islam and the Middle East, Asian studies or European studies)

Assumed knowledge: Depends on first-year subjects chosen

LAW (COMBINED)

The following combined Law courses are offered:

- Arts/Law
- Arts (Media and Communications)/Law
- Commerce/Law
- Design in Architecture/Law
- Economics/Law
- Engineering Honours/Law
- Information Technology/Law
- International and Global Studies/Law
- Science/Law

Course prerequisites: *For Law combined with Commerce, Economics, Engineering Honours, Information Technology or Science:* Mathematics (Band 4 or higher)

Assumed knowledge: *For Law:* None *For the other area of study:* Refer to the relevant entry

LIBERAL ARTS AND SCIENCE

Areas of study: Major from Arts and Social Sciences or Science, a sequence of subjects in Science (if any Arts major is chosen) or in Arts (if a Science major is chosen) and a sequence in the Liberal Studies stream (analytical thinking, communication, culture, ethics, scientific enquiry, society and global citizenship, technological literacy)

For subject areas, see Arts and Social Sciences and Science

Assumed knowledge: Depends on first-year subjects chosen

MEDICAL SCIENCE

Areas of study: Anatomy, biochemistry, biology, cell pathology, genetics, histology, history and philosophy of science, immunology, infectious diseases, microbiology, molecular biology, pharmacology, physiology, psychology
Course prerequisites: Mathematics (Band 4 or higher)
Assumed knowledge: Chemistry plus Biology or Physics

MEDICINE (DOUBLE DEGREE)

The following double degree Medicine courses are offered:

- Commerce/Medicine
- Economics/Medicine
- Medical Science/Medicine
- Music Studies/Medicine
- Science (Advanced)/Medicine

Course prerequisites: *For Commerce, Economics, Medical Science, Music Studies, Science (Advanced):* Mathematics (Band 4 or higher)
Assumed knowledge: As for Commerce, Economics, Medical Science, Music Studies, Science (Advanced)

MUSIC

Areas of study: Composition, contemporary music practice, jazz, music education, music studies, musicology, performance
Assumed knowledge: Music 2 *For Contemporary music practice:* Music 1
Additional selection criteria: Audition and/or interview

NURSING (ADVANCED STUDIES)

Areas of study: Child and adolescent health, chronic care, community healthcare, health and human biology, health policy, Indigenous health, mental health, palliative care, population health, professional practice
Requirements: None

OCCUPATIONAL THERAPY

Areas of study: Biological sciences, occupational therapy, social sciences, theory and practice
Recommended studies: Biology

PHARMACY

Pharmacy

Pharmacy and Management

Areas of study: Biology, chemistry, medicinal chemistry, pharmaceutical sciences, pharmaceutics, pharmacology, pharmacy and pharmacy practice *For Pharmacy and Management:* Business
Course prerequisites: Mathematics (Band 4 or higher)
Assumed knowledge: Chemistry
Recommended studies: Biology or Physics

PHYSIOTHERAPY

Areas of study: Biomechanics, exercise physiology, human anatomy and physiology, measurement of human performance, motor performance and learning, neuroscience, psychology, research design and statistics
Assumed knowledge: Chemistry, Physics
Recommended studies: Mathematics

POLITICAL, ECONOMIC AND SOCIAL SCIENCES

Areas of study: Economics, government and international relations, political economy, and either sociology or anthropology. Second area of study from Arts and Social Sciences
Assumed knowledge: Depends on first-year subjects chosen

PROJECT MANAGEMENT

Areas of study: *Streams:* Built environment, civil engineering science or software. Studies include complex project co-ordination, management data, organisational behaviour, project finance, psychology, quality management, risk management, statistics
Course prerequisites: Mathematics (Band 4 or higher)
Assumed knowledge: HSC Mathematics Extension 1

PSYCHOLOGY

Areas of study: *For Arts stream*: Arts major *For Science stream:* Science major
Course prerequisites: *For Science stream:* Mathematics (Band 4 or higher). All students in the B Psychology science stream must take some study in mathematics.
Assumed knowledge*: For both streams:* Depends on first-year subjects chosen

SCIENCE

Areas of study: Agricultural chemistry, anatomy and histology, biochemistry, bioinformatics, biology (animal, plant, genetics), cell pathology, chemistry, computer science, environmental studies, financial mathematics and statistics, geoarcheology, geography, geology and geophysics, history and philosophy of science, immunobiology, information systems, marine science, mathematics, medicinal chemistry, microbiology, nanoscience and technology, neuroscience, pharmacology, physics, physiology, plant science, psychology, soil science, statistics

Science

Course prerequisites: Mathematics (Band 4 or higher)
Assumed knowledge: HSC Mathematics Extension 1 (depending on subjects chosen). All students must take some study in mathematics. Other assumed knowledge depends on first-year subjects chosen.

Science (Advanced)

Course prerequisites: Mathematics (Band 4 or higher)
Assumed knowledge: HSC Mathematics Extension 1 depending on subjects chosen. All students must take some study in mathematics. Other assumed knowledge depends on first-year subjects chosen.

Science (Advanced Mathematics)

Course prerequisites: Mathematics (Band 4 or higher)
Assumed knowledge: HSC Mathematics Extension 2. All students must take some study in mathematics. Other assumed knowledge depends on first-year subjects chosen.

SCIENCE IN AGRICULTURE

Areas of study: Agricultural chemistry, agricultural economics, agricultural genetics, agronomy, entomology, environmetrics, farming systems, food science, horticulture, international specialisation, livestock production, plant pathology, soil science
Assumed knowledge: Chemistry, Mathematics

SOCIAL WORK

Areas of study: Indigenous studies, psychology, social policy, social work, sociology
Assumed knowledge: Depends on first-year subjects chosen

SPEECH PATHOLOGY

Areas of study: Audiology, biomedical sciences, linguistics and language development, neurobiology, phonetics, psychology, research methods, sociology, specialist areas (aphasia, dysarthria, dyslexia, stuttering)
Recommended studies: English (Advanced)

VETERINARY BIOLOGY / VETERINARY MEDICINE

Areas of study: Animal diseases and pathology, animal husbandry, cell biology, chemistry, clinical and professional practice, pharmacology, veterinary anatomy and physiology, veterinary conservation biology, veterinary medicine, veterinary surgery
Course prerequisites: Mathematics (Band 4 or higher)
Assumed knowledge: Chemistry, Physics
Recommended studies: Biology
Additional selection criteria: Statement of Commitment to Veterinary Science

VISUAL ARTS

Areas of study: Critical studies, jewellery and object, painting, photomedia, print media, screen arts, sculpture (including ceramics and glass)
Recommended studies: Design and Technology, Visual Arts
Additional selection criteria: Portfolio

COMBINED AND DOUBLE DEGREES

For combined degrees, see the course prerequisites, assumed knowledge and recommended studies for both degrees.

- Applied Science (Exercise and Sport Science)/Master of Nutrition and Dietetics
- Arts/Economics
- Arts/Laws
- Arts/Master of Nursing
- Arts/Social Work
- Commerce/Arts
- Commerce/Laws
- Commerce/Doctor of Medicine
- Commerce/Science
- Design in Architecture/Laws
- Design in Architecture (Honours)/Master of Architecture
- Economics/Laws
- Economics/Medicine
- Education (Secondary: Mathematics)/Science
- Education (Secondary: Science)/Science
- Engineering Honours/Arts
- Engineering Honours/Commerce
- Engineering Honours (Civil)/Design in Architecture
- Engineering Honours/Laws
- Engineering Honours/Medical Science
- Engineering Honours/Music Studies
- Engineering Honours/Project Management
- Engineering Honours/Science
- Health Sciences/Master of Nursing
- Information Technology/Arts
- Information Technology/Commerce
- Information Technology/Laws
- Information Technology/Medical Science
- Information Technology/Science
- International and Global Studies/Laws
- Medical Science/Doctor of Medicine
- Music Studies/Doctor of Medicine
- Project Management/Arts
- Science/Arts
- Science/Laws
- Science (Advanced)/Doctor of Dentistry
- Science (Advanced)/Doctor of Medicine
- Science/Master of Nursing
- Science/Master of Nutrition and Dietetics
- Veterinary Biology/Doctor of Veterinary Medicine

University of Technology Sydney

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Enquiries

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Student Administration Unit Level 15
University of Technology Sydney
PO Box 123
Broadway NSW 2007

in person: UTS Student Centre
Level 2 (Ground)
Building 10
235 Jones Street
Ultimo NSW 2007

telephone: 1300 ASK UTS (1300 275 887)

READ THIS FIRST

- There are no course prerequisites for entry into Bachelor degree courses at UTS.
- When you read 'any two units of science' or 'at least two units of science' or 'any two science subjects', this can include Biology, Chemistry, Physics, Earth and Environmental Science, Senior Science.

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

ADVANCED SCIENCE

Areas of study: Advanced materials and data science, environmental biotechnology, infection and immunity, pre-medicine
Assumed knowledge: Mathematics, any two units of science, any two units of English
Recommended studies: *For advanced materials and data science:* HSC Mathematics Extension 1, Physics *For environmental biotechnology, infection and immunity, pre-medicine majors:* Biology, HSC Mathematics Extension 1

ANALYTICS

Areas of study: Consumer and business analytics, data analytics, data science, financial mathematics, operations analytics, risk management.
Assumed knowledge: Mathematics, any two units of English
Recommended studies: HSC Mathematics Extension 1

ARCHITECTURE

Areas of study: Architectural design, technology, theory and professional practice
Assumed knowledge: Mathematics, any two units of English
Recommended studies: Design and Technology, English, History, Mathematics, Visual Arts

Landscape Architecture

Areas of study: Ecology, land management, landform analysis, landscape design, professional practice, surveying, theory and history, urban environment and design
Assumed knowledge: Mathematics, any two units of English
Recommended studies: English (Advanced), Design and Technology, Visual Arts

ARTS

Communication – Creative Writing

Areas of study: Creative writing, genre, narrative and theory
Assumed knowledge: Any two units of English

Communication – Digital and Social Media

Areas of study: Digital communities and futures, social and digital media
Assumed knowledge: Any two units of English

Communication – Journalism

Areas of study: Communication and information studies, journalism
Assumed knowledge: Any two units of English

Communication – Media Arts and Production

Areas of study: Film, new media, sound, video
Assumed knowledge: Any two units of English

Communication – Public Communication

Areas of study: Advertising, communication, public relations
Assumed knowledge: Any two units of English

Communication – Social and Political Sciences

Areas of study: Social, political and historical studies
Assumed knowledge: Any two units of English

Global Studies

Areas of study: Business studies, communication, globalisation health, legal studies, management studies
Assumed knowledge: Any two units of English

Music and Sound Design

Areas of study: Composition, cultural context of music and sound design, informative sound, interaction design, multimodal expression, sonic interfaces
Assumed knowledge: Any two units of English

BIOMEDICAL PHYSICS

Areas of study: Biomedical science with physics applications, cell biology and genetics, medical imaging, nano devices
Assumed knowledge: Mathematics, at least two units of science, any two units of English
Recommended studies: HSC Mathematics Extension 1, Physics

BIOMEDICAL SCIENCE

Areas of study: Bacteriology, biochemistry, cell biology and genetics, immunology, microbiology, molecular biology, parasitology, pathology
Assumed knowledge: Mathematics, any two units of English, at least two units of science
Recommended studies: Chemistry, HSC Mathematics Extension 1

BIOTECHNOLOGY

Areas of study: Biological sciences, microbiology, molecular biology, science and technology studies
Assumed knowledge: Mathematics, any two units of English, at least two units of science
Recommended studies: Chemistry, HSC Mathematics Extension 1

BUILDING

Construction Project Management

Areas of study: Contract administration, legal studies, material science, project management, quantity surveying, structures, surveying, sustainable development
Assumed knowledge: Mathematics, any two units of English

BUSINESS

Accounting

Assumed knowledge: Mathematics, any two units of English

Business

Areas of study: Accounting, business law*, economics, finance, human resource management, information technology*, international business, management, marketing, marketing communication

** Second major only*

Assumed knowledge: Mathematics, any two units of English

Economics

Areas of study: Business law, finance, human resource management, information technology, management, marketing, marketing communication
Assumed knowledge: Mathematics, any two units of English

Management

Areas of study: Event management, sports business management, tourism management
Assumed knowledge: Any two units of English

DESIGN

Animation

Areas of study: 2D and 3D animation, animation design, character design, computer graphic imagery, drawing for animation, narrative, special effects animation, visual effects animation
Assumed knowledge: Any two units of English
Recommended studies: Design and Technology, English (Advanced), Visual Arts

Architecture

Areas of study: Architectural design, technology, theory and professional practice
Assumed knowledge: Mathematics, any two units of English
Recommended studies: Design and Technology, English (Standard) History, Mathematics, Visual Arts

Fashion and Textiles

Areas of study: Design thinking, fashion illustration, globalised design practice, menswear, pattern making and construction, textiles technologies, theory and research, womenswear
Assumed knowledge: Any two units of English
Recommended studies: Design and Technology, Textiles and Design, Visual Arts

Integrated Product Design

Areas of study: Design communication, design technologies, globalised design practice, industrial design, product engineering, smart design, smart object design, theory and research
Assumed knowledge: Any two units of English
Recommended studies: Design and Technology, Textiles and Design, Visual Arts

Interior and Spatial Design

Areas of study: Commercial, design thinking, digital technology, event design, performative space, residential, spatial design
Assumed knowledge: Any two units of English
Recommended studies: Design and Technology, Textiles and Design, Visual Arts

Landscape Architecture

Areas of study: Ecology, land management, landform analysis, landscape design, professional practice, surveying, theory and history, urban environment and design
Assumed knowledge: Mathematics, any two units of English
Recommended studies: Design and Technology, English (Advanced), Visual Arts

Photography and Situated Media

Areas of study: Culture and context, history and theory, innovation technologies, photography, photomedia, situated and interactive media, situated media and installation
Assumed knowledge: Any two units of English
Recommended studies: Design and Technology, Visual Arts

Visual Communication

Areas of study: Animation, design theory, graphic design, information design, new media, text and image, typography, video design, web design
Assumed knowledge: Any two units of English
Recommended studies: Design and Technology, English (Advanced), Visual Arts

EDUCATION

Primary, Secondary and K-12 Education

Areas of study: Educational studies, key learning areas, primary and secondary teaching methods, professional experience
Assumed knowledge: Minimum three Band 5 HSC results, including one in English

Requirements for teaching courses are currently under review. Check with the University for specific requirements.

ENGINEERING (HONOURS)

Areas of study: Biomedical, civil, civil and environmental, computer systems*, construction, electrical, ICT engineering*, innovation*, mechanical, mechanical and mechatronic, network security*, software*, structures, telecommunications*

Assumed knowledge: HSC Mathematics Extension 1 or Physics plus English (Standard)

Recommended studies: English (Advanced)

Additional selection criteria: Questionnaire

** These majors are currently under review and may change or discontinue from 2016.*

ENVIRONMENTAL BIOLOGY

Areas of study: Animal behaviour and physiology, biodiversity conservation, botany, ecosystem protection and management, ecological studies, technology studies, wildlife management

Assumed knowledge: Mathematics, any two units of English, any two units of science

FORENSIC BIOLOGY

Areas of study: Cell biology and genetics, crime scene investigation, forensics and biomedical science, immunology, pathology, transfusion science

Assumed knowledge: Mathematics, any two units of English, at least two units of science

Recommended studies: Chemistry, HSC Mathematics Extension 1

FORENSIC SCIENCE

Areas of study: Analytical chemistry, crime scene investigation, forensics and chemistry, physical chemistry, toxicology

Assumed knowledge: Mathematics, any two units of English, at least two units of science

Recommended studies: One of Chemistry, HSC Mathematics Extension 1 or Physics

GLOBAL STUDIES

Areas of study: Business studies, communication, globalisation, health, legal studies, management studies

Assumed knowledge: Any two units of English

HEALTH SCIENCE

Health Science

Areas of study: Digital health and analytics, global health, pharmacology

Assumed knowledge: Any two units of English

Traditional Chinese Medicine

Areas of study: Acupuncture, anatomy and physiology, Chinese herbal medicine, Chinese massage, pharmacology

Assumed knowledge: Any two units of English, any two units of science

Recommended studies: Biology

INFORMATION TECHNOLOGY

Areas of study: Business information systems management, computer graphics and animation, data analytics, enterprise systems development, games development, internetworking and applications, network security

Assumed knowledge: Mathematics, any two units of English

Recommended studies: English (Advanced), HSC Mathematics Extension 1

LAW

LAW (COMBINED)

The following combined Law courses are offered:

- Business/Law
- Economics/Law
- Communication (Creative Writing)/Law
- Communication (Digital and Social Media)/Law
- Communication (Journalism)/Law
- Communication (Media Arts and Production)/Law
- Communication (Public Communication)/Law
- Communication (Social and Political Sciences)/Law
- Creative Intelligence and Innovation/Law
- Engineering Science/Law
- Information Technology/Law
- International Studies/Law
- Medical Science/Law
- Science/Law

Assumed knowledge: *For Law:* Any two units of English *For the other area of study:* Refer to the relevant entry

MARINE BIOLOGY

Areas of study: Coastal studies, ecology, fisheries, marine community, marine plants, tropical and temperate marine biology

Assumed knowledge: Mathematics, any two units of English, any two units of science

MATHEMATICS AND COMPUTING

Areas of study: Computing, information technology, mathematics, operations research, statistics

Assumed knowledge: Mathematics, any two units of English

Recommended studies: HSC Mathematics Extension 1

MEDICINAL CHEMISTRY

Areas of study: Analytical chemistry, drug synthesis and strategy, inorganic chemistry, medicinal chemistry, organic chemistry, pharmacology

Assumed knowledge: Mathematics, any two units of science, any two units of English

Recommended studies: Chemistry, HSC Mathematics Extension 1

MEDICAL SCIENCE

Areas of study: Anatomy, behavioural science, biochemistry, molecular biology, pathology, pharmacology, physiology

Assumed knowledge: Mathematics, any two units of English, any two science subjects

MIDWIFERY

Assumed knowledge: English (Standard)

Recommended studies: Any two units of science, any two units of mathematics

NURSING

Assumed knowledge: English (Standard)

Recommended studies: Any two units of science, any two units of mathematics

PROPERTY ECONOMICS

Areas of study: Property investment, property management, real estate practice, valuation and development

Assumed knowledge: Mathematics, any two units of English

SCIENCE

Assumed knowledge: *For all Science courses:* Mathematics, any two units of English, any two units of science unless otherwise specified. Refer to 'Read this first' at the beginning of the UTS entry.

Applied Chemistry

Areas of study: Analytical chemistry, inorganic chemistry, organic chemistry
Recommended studies: Chemistry, HSC Mathematics Extension 1, Physics

Applied Physics

Areas of study: Energy science and technology, nanomaterials, optics and nanophotonics, quantum physics
Recommended studies: Chemistry, HSC Mathematics Extension 1, Physics

Biomedical Science

Areas of study: Biochemistry, cellular biology, immunology, microbiology, molecular biology, pathology
Recommended studies: Chemistry, HSC Mathematics Extension 1

Biotechnology

Areas of study: Biological sciences, microbiology, molecular biology, science and technology studies
Recommended studies: Chemistry, HSC Mathematics Extension 1

Environmental Sciences

Areas of study: Animal behaviour, biodiversity, biological science, coastal studies, ecology, fisheries, marine plants
Assumed knowledge: Mathematics, any two units of English, any two units of science

Flexible

Areas of study: Analytical chemistry, applied microbiology, biology, cell and molecular biology, environmental science, freshwater ecology, health science, industrial chemistry, laboratory pathology, materials technology, nanoscience, operations research, pharmacology, physics, physiology, plant biotechnology, pollution ecology, statistics and mathematics.
Assumed knowledge: Chemistry, HSC Mathematics Extension 1

Mathematics

Areas of study: Advanced calculus, operations research, stimulation modelling optimisation
Assumed knowledge: Mathematics, any two units of English
Recommended studies: HSC Mathematics Extension 1

Medical Science

Areas of study: Anatomy, behavioural science, biochemistry, pathology, pharmacology, physiology
Recommended studies: Chemistry, HSC Mathematics Extension 1

Nanotechnology

Areas of study: Nanomaterials, nanophotonics, nanotubes, optics, scanning probe and electron microscopy
Recommended studies: Chemistry, HSC Mathematics Extension 1, Physics

Statistics

Areas of study: Linear algebra, operations research, optimisation, stochastic processes
Assumed knowledge: Mathematics, any two units of English
Recommended studies: HSC Mathematics Extension 1, any two units of science

SPORT AND EXERCISE MANAGEMENT

Areas of study: Accounting, anatomy, biomechanics, exercise management, exercise physiology, law, sport management, sports marketing, sports psychology, sports science, strategic management
Assumed knowledge: Mathematics, any two units of English

SPORT AND EXERCISE SCIENCE

Areas of study: Anatomy; biomechanics; exercise physiology; exercise prescription; exercise rehabilitation; health; human movement; motor learning; personal development, health and physical education (PDHPE); sports psychology; sports science; strength and conditioning
Assumed knowledge: Mathematics, any two units of English

COMBINED DEGREES

If you intend to undertake combined degrees check the prerequisites, assumed knowledge and recommended studies for both degrees. Contact the University for further details.

- Biotechnology/Business
- Business/Information Technology
- Engineering/Business
- Medical Science/Business
- Medical Science/Engineering
- Science/Business
- Science/Engineering

Combined degrees in Law are also offered – refer to main subject entry for details.

INTERNATIONAL STUDIES (COMBINED)

- Analytics
- Animation
- Biotechnology
- Business
- Communication (Creative Writing)
- Communication (Digital and Social Media)
- Communication (Journalism)
- Communication (Media Arts and Production)
- Communication (Public Communication)
- Communication (Social and Political Sciences)
- Construction Project Management
- Education
- Engineering
- Fashion and Textiles Design
- Information Technology
- Integrated Product Design
- Interior and Spatial Design
- Law
- Management
- Mathematics and Computing
- Medical Science
- Nursing
- Photography and Situated Media
- Property Economics
- Science
- Music and Sound Design
- Sport and Exercise Management
- Sport and Exercise Science
- Traditional Chinese Medicine
- Visual Communication

CREATIVE INTELLIGENCE AND INNOVATION (COMBINED)

- Advanced Science
- Animation
- Architecture
- Biomedical physics
- Business
- Communication (Creative Writing)
- Communication (Digital and Social Media)
- Communication (Journalism)
- Communication (Media Arts and Production)
- Communication (Public Communication)
- Communication (Social and Political Sciences)
- Engineering
- Fashion and Textiles
- Information Technology
- Integrated Product Design
- Interior and Spatial Design
- Law
- Management
- Medicinal chemistry
- Midwifery
- Nursing
- Science
- Sport and Exercise Science
- Visual Communication

University of Wollongong

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UNIVERSITY OF WOLLONGONG AUSTRALIA

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instagram: www.instagram.com/explore/tags/ThisIsUOW

READ THIS FIRST

- Mathematics General 2 and Senior Science may not adequately prepare students for further studies in the areas of mathematics and science at University of Wollongong. However, these courses can be included in the calculation of the ATAR.
- When you read 'Mathematics' this refers to the HSC course titled Mathematics, not Mathematics General 2.
- Any two units of science includes Biology, Chemistry, Earth and Environmental Science, Geography or Physics. It does not include Senior Science.
- Any four units of science includes two courses from Biology, Chemistry, Earth and Environmental Science, Geography or Physics. It does not include Senior Science.

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

ARTS (HUMANITIES)

Areas of study: Chinese (Mandarin); community, culture and environment (Shoalhaven, Batemans Bay, Bega and Southern Highlands campuses only. Completion of full major subject to availability at time of enrolment); creative writing, cultural studies, English literatures, French, history, Indigenous studies, international relations, Italian, Japanese, philosophy, photography, politics, science and technology studies, sociology, Spanish, writing and English literature
Assumed knowledge: Any two units of English
Recommended studies: English (Advanced)
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

BIONANOTECHNOLOGY

Areas of study: Molecular biology and biophysics, nanotechnology, physical and biological chemistry
Assumed knowledge: Biology, Chemistry, Mathematics, Physics
Recommended studies: HSC Mathematics Extension 1
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

BUSINESS

Assumed knowledge: Any two units of English

BUSINESS INFORMATION SYSTEMS

Assumed knowledge: Any two units of English
Recommended studies: Mathematics or Mathematics General 2
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

COMMERCE

Areas of study: Accountancy, business law, economics, finance, financial planning, human resource management, international business, management, marketing, public relations, supply chain management
Assumed knowledge: Any two units of English
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

COMMERCE – TAFE ADVANCED DIPLOMA OF EVENTS
COMMERCE – TAFE ADVANCED DIPLOMA OF HOSPITALITY
COMMERCE – TAFE ADVANCED DIPLOMA OF TOURISM AND TRAVEL

Areas of study: Human resource management, management, marketing, public relations
Assumed knowledge: Any two units of English

These degrees are not available at all campuses and must be studied in conjunction with the relevant TAFE Advanced Diploma.

COMMUNICATION AND MEDIA

Areas of study: Digital media and communication, global media and communication, journalism and professional writing, marketing communication and advertising
Assumed knowledge: Any two units of English
Recommended studies: English (Advanced)
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

COMPUTER SCIENCE

Areas of study: Big data, computer science, cyber security, digital systems security, game and mobile development, software engineering
Assumed knowledge: Mathematics, any two units of English
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

CONSERVATION BIOLOGY

Areas of study: Conservation biology, landscape science, plant and animal ecology
Assumed knowledge: Mathematics, any two units of science
Recommended studies: Biology, Chemistry
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

CREATIVE ARTS

Areas of study: Creative writing, graphic design, music, theatre, visual arts, visual arts and design
Assumed knowledge: Any two units of English
Recommended studies: English (Advanced)
For visual arts: Design and Technology and/or Textiles and Design and/or Visual Arts *For graphic design:* Design and Technology and/or Textiles and Design and/or Visual Arts
For music: Music 2 or HSC Music Extension
For theatre: Drama
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

DIGITAL MEDIA

Assumed knowledge: Any two units of English
Recommended studies: English (Advanced), Design and Technology and/or Visual Arts

ECONOMICS AND FINANCE

Areas of study: Economics, finance
Assumed knowledge: Mathematics, any two units of English

ENGINEERING

Areas of study: Biomedical, civil, computer, electrical, environmental, materials, mechanical, mechatronic, mining or telecommunications engineering
Assumed knowledge: Mathematics (not Mathematics General 2), any two units of English
Recommended studies: Engineering Studies, HSC Mathematics Extension 1, Physics, Chemistry (not required for computer, electrical, mechatronic or telecommunication engineering)

ENGINEERING – SCHOLAR

Areas of study: Biomedical, civil, computer, electrical, environmental, materials, mechanical, mechatronics, mining or telecommunications engineering
Assumed knowledge: HSC Mathematics Extension 1, any two units of English
Recommended studies: Engineering Studies, Physics, Chemistry (not required for computer, electrical, mechatronics or telecommunications engineering)

ENVIRONMENTAL SCIENCE

Areas of study: Earth sciences, environmental chemistry, land resources, life sciences
Assumed knowledge: Mathematics plus Biology or Chemistry or Earth and Environmental Science or Geography
Recommended studies: Four units of science (including Biology or Chemistry)
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

EXERCISE SCIENCE

Areas of study: Anatomy, biomechanics, exercise physiology, exercise prescription
Assumed knowledge: Mathematics, any two units of science
Recommended studies: Chemistry

EXERCISE SCIENCE AND REHABILITATION

Areas of study: Anatomy, biomechanics, exercise physiology, exercise prescription, exercise rehabilitation
Assumed knowledge: Mathematics, any two units of science
Recommended studies: Chemistry

GEOGRAPHY

Areas of study: Human and physical geography
Assumed knowledge: Mathematics, any two units of science
Recommended studies: Earth and Environmental Science, Geography

INDIGENOUS HEALTH

Areas of study: Indigenous health issues, Indigenous history, society and culture, population health
Recommended studies: Aboriginal Studies

INFORMATION TECHNOLOGY

Areas of study: eBusiness, network design and management, social and digital innovation, web design and development
Assumed knowledge: Any two units of English
Recommended studies: Mathematics
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

INFORMATION TECHNOLOGY INTERNATIONAL

Areas of study: eBusiness, network design and management, social and digital innovation, web design and development
Assumed knowledge: Any two units of English
Recommended studies: Mathematics

INTERNATIONAL SCIENCE

Areas of study: Biological sciences, chemistry, geology, human geography, medicinal chemistry, nutrition, physical geography and environmental geosciences, sport and movement science
Assumed knowledge: Mathematics, any two units of science
Recommended studies: Four units of science

International Science – Honours

Additional selection criteria: Combination of ATAR, faculty application and interview

INTERNATIONAL STUDIES

Areas of study: Global media and communication, global sustainable development, international relations. Also includes a language minor.
Assumed knowledge: Any two units of English
Recommended studies: English (Advanced)
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

JOURNALISM

Assumed knowledge: Any two units of English
Recommended studies: English (Advanced)

LANGUAGE STUDIES

Areas of study: Chinese (Mandarin), French, Italian, Japanese, Spanish
Assumed knowledge: Any two units of English
Recommended studies: English (Advanced), any two units of a language

LAW (SINGLE DEGREE)

Assumed knowledge: Any two units of English
Recommended studies: English (Advanced)

LAW (DOUBLE DEGREES)

The following double degree courses are offered:

- Arts/Law
- Arts (psychology)/Law
- Commerce/Law
- Communication and Media Studies/Law
- Computer Science/Law
- Creative Arts/Law
- Economics and Finance/Law
- Engineering (Honours)/Law
- Information Technology/Law
- International Studies/Law
- Journalism/Law
- Mathematics/Law
- Psychological Science/Law
- Science/Law

Assumed knowledge: *For Law:* Any two units of English
Recommended studies: *For Law:* English (Advanced) *For the other area of study:* Refer to the relevant entry

MARINE SCIENCE

Areas of study: Biodiversity of marine and freshwater organisms, coastal environments, conservation biology, ecology, fisheries and aquaculture, marine and terrestrial ecology, oceanography
Assumed knowledge: Mathematics, any two units of science
Recommended studies: Four units of science (including Biology and Chemistry)
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

MATHEMATICS

Mathematics

Areas of study: Industrial and applied mathematics, mathematical analysis, pure mathematics, statistics
Assumed knowledge: Mathematics plus any two units of English
Recommended studies: HSC Mathematics Extension 1

Mathematics and Finance

Areas of study: Financial planning, mathematical economics, quantitative and computational trading, quantitative corporate finance and investment, risk management and insurance
Assumed knowledge: Mathematics, any two units of English
Recommended studies: HSC Mathematics Extension 1

Medical Mathematics

Areas of study: Applied statistics, biology, mathematics
Assumed knowledge: Mathematics, any two units of English, any two units of Science
Recommended studies: Chemistry, HSC Mathematics Extension 1

Mathematics Education (see Teaching)

MATHEMATICS – ADVANCED AND DEAN'S SCHOLAR

Mathematics Advanced

Areas of study: Industrial and applied mathematics, mathematical analysis, pure mathematics, statistics
Assumed knowledge: HSC Mathematics Extension 2

Mathematics and Finance – Dean's Scholar

Areas of study: Financial planning, mathematical economics, quantitative and computational trading, quantitative corporate finance and investment, risk management and insurance
Assumed knowledge: Mathematics, any two units of English
Recommended studies: HSC Mathematics Extension 1

Medical Mathematics – Dean's Scholar

Areas of study: Applied statistics, biology, mathematics
Assumed knowledge: Mathematics
Recommended studies: Chemistry, HSC Mathematics Extension 1

MEDICAL AND HEALTH SCIENCE

Areas of study: Anatomy, chemistry, neuroscience, physiology
Assumed knowledge: Mathematics, any two units of science
Recommended studies: Chemistry
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

MEDICAL AND RADIATION PHYSICS
MEDICAL AND RADIATION PHYSICS – ADVANCED HONOURS

Areas of study: Medical imaging, nuclear medicine, radiation protection, radiobiology
Assumed knowledge: Mathematics, Physics, any two units of English
Recommended studies: Chemistry, English (Advanced), HSC Mathematics Extension 1

MEDICAL BIOTECHNOLOGY

Areas of study: Biochemistry, biotechnology, cellular and molecular biology, genetics, immunology
Assumed knowledge: Mathematics, two units of science
Recommended studies: Biology, Chemistry
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

MEDICINAL CHEMISTRY

Areas of study: Biochemistry, pharmacology, physiology
Assumed knowledge: Chemistry, Mathematics
Recommended studies: Four units of science
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

NURSING

Assumed knowledge: Any two units of English

Advanced

Areas of study: Health leadership and management, international studies, mental health
Assumed knowledge: Any two units of English

NUTRITION SCIENCE

Areas of study: Biochemistry, community and public health nutrition, food composition, physiology
Assumed knowledge: Mathematics, any two units of science
Recommended studies: Biology, Chemistry

NUTRITION AND DIETETICS

Areas of study: Biochemistry, clinical dietetics, community and public health nutrition, food service management, nutrition research, physiology
Assumed knowledge: Mathematics, any two units of science
Recommended studies: Biology, Chemistry

PERFORMANCE

Assumed knowledge: Any two units of English
Recommended studies: English (Advanced), Drama
Additional selection criteria: Audition and/or interview in combination with ATAR

POLITICS, PHILOSOPHY, ECONOMICS

Assumed knowledge: Any two units of English
Recommended studies: English (Advanced)
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

PRE-MEDICINE, SCIENCE AND HEALTH

Areas of study: Anatomy, chemistry, human anatomy, human physiology
Assumed knowledge: Mathematics, any two units of science
Recommended studies: Biology, Chemistry

PSYCHOLOGY

Assumed knowledge: Any two units of English
Recommended studies: Mathematics

PUBLIC HEALTH

Areas of study: Public health
Assumed knowledge: Any two units of English
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

PUBLIC HEALTH NUTRITION

Areas of study: Human nutrition, public health
Assumed knowledge: Any two units of English, any four units of science/mathematics
Recommended studies: Chemistry

SCIENCE

Areas of study: Biological sciences, bionanotechnology, chemistry, conservation biology, environment, geology, human geography, land and heritage management, materials, medical biotechnology, medicinal chemistry, nuclear science technology, physical geography and environmental geosciences, physics
Assumed knowledge: Mathematics, any two units of science
For materials, nuclear science technology, physics: Mathematics (not Mathematics General 2), any two units of English
Recommended studies: Four units of science *For materials, nuclear science technology, physics:* Chemistry, HSC Mathematics Extension 1, Physics

Advanced

Areas of study: Atmospheric science, biomolecular physics, human geography, land and heritage management, physics
Assumed knowledge: Mathematics, any two units of science
For atmospheric science, biomolecular physics and physics: Mathematics (not Mathematics General 2), any two units of English
Recommended studies: Four units of science *For atmospheric science, biomolecular physics and physics:* Chemistry, HSC Mathematics Extension 1, Physics

Dean's Scholar

Areas of study: Biological sciences, chemistry, geology, physical geography and environmental geosciences
Assumed knowledge: Mathematics, any two units of science
Recommended studies: Four units of science
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

Science Education (see Teaching)

SOCIAL SCIENCE

Areas of study: Community culture and environment (Shoalhaven, Batemans Bay and Bega campuses only), criminology, education for change, health promotion, human geography, Indigenous studies, public health, social marketing, social policy, sociology
Assumed knowledge: Any two units of English
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

SOCIAL WORK

Areas of study: Social work
Assumed knowledge: Any two units of English

TEACHING

Early Years (including Dean's Scholar)

Assumed knowledge: Any two units of English
Recommended studies: Any two units of mathematics

Health and Physical Education (including Dean's Scholar)

Assumed knowledge: Any two units of English
Recommended studies: Any two units of science or Personal Development, Health and Physical Education (PDHPE)

Mathematics Education (including Dean's Scholar)

Assumed knowledge: Mathematics (not mathematics General 2) plus any two units of English
Recommended studies: HSC Mathematics Extension 1

Primary Education (including Dean's Scholar)

Assumed knowledge: Any two units of English
Recommended studies: Any two units of mathematics

Science Education (including Dean's Scholar)

Assumed knowledge: Mathematics (not Mathematics general 2) plus any two units of English
Recommended studies: Two units of mathematics, any four units of science

DOUBLE DEGREES

If you intend to undertake double degrees check the prerequisites, assumed knowledge and recommended studies for both degrees. Contact the University for further details.

- Arts/Commerce
- Arts/Economics and Finance
- Arts/International Studies
- Arts/International Studies (Dean's Scholar)
- Communication and Media Studies/Arts
- Communication and Media Studies/Arts (Dean's Scholar)
- Communication and Media Studies/Commerce
- Communication and Media Studies/Economics and Finance
- Communication and Media Studies/International Studies
- Communication and Media Studies/International Studies (Dean's Scholar)
- Communication and Media Studies/Science
- Computer Science/Science
- Creative Arts/Arts
- Creative Arts/Commerce
- Creative Arts/Communication and Media Studies
- Creative Arts/Computer Science
- Creative Arts/International Studies
- Creative Arts/Journalism
- Creative Arts/Science
- Engineering/Arts
- Engineering/Commerce
- Engineering/Computer Science
- Engineering/Mathematics
- Engineering/Science
- Information Technology/Business
- International Studies/Commerce
- International Studies/Economics and Finance
- Journalism/Arts
- Journalism/Commerce
- Journalism/Communication and Media Studies
- Journalism/Engineering (Honours)
- Journalism/International Studies
- Journalism/Science
- Mathematics/Computer Science
- Psychology/Commerce
- Science/Arts
- Science/Commerce
- Science/Mathematics

Double degrees in Law are also offered. Refer to main entry for details.

UNSW Australia

www.unsw.edu.au
CRICOS provider number 00098G

Enquiries

Kensington and Paddington campuses

by post: Future Students Office
UNSW Australia
UNSW Sydney NSW 2052

in person: Future Students Office
John Goodsell Building (F20)
UNSW Australia
Kensington NSW 2033

telephone: (02) 9385 1844
website: www.unsw.edu.au/futurestudents
email: futurestudents@unsw.edu.au

UNSW Canberra at ADFA

by post: Student Administrative Services
UNSW Canberra
Australian Defence Force Academy
PO Box 7916
Canberra BC ACT 2610

in person: Student Administrative Services
UNSW Canberra
Australian Defence Force Academy
Ground Level, Auditorium
Northcott Drive
Campbell ACT 2600

telephone: (02) 6268 6000
website: www.unsw.adfa.edu.au
email: sas@adfa.edu.au

READ THIS FIRST

- UNSW's HSC Plus recognises performance in relevant HSC subjects. For further information, visit www.unsw.edu.au/hscplus.
- For HSC courses listed as assumed knowledge, students are expected to have a level of performance at Band 4 or higher.
- Mathematics General 2 and Senior Science are not regarded as adequate preparation for university studies in business, engineering and science. However, these courses can be included in the calculation of the ATAR.
- Students who do not have the level of assumed knowledge specified may find themselves ill-prepared for first-year subjects and therefore be placed at a considerable disadvantage. Chemistry and Physics bridging courses are offered at the Kensington campus before the start of semester 1 each year for students who have not included one or both in their HSC program. A mathematics bridging course is also offered for those students wishing to upgrade their HSC mathematics knowledge to the level of HSC Mathematics Extension 1.

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

ACTUARIAL STUDIES

Areas of study: Accounting, actuarial studies, business economics, business law, business strategy and economic management, finance, financial economics, human resource management, information systems, international business, management, marketing, mathematics, real estate studies, statistics, taxation
Assumed knowledge: HSC Mathematics Extension 2
Recommended studies: English (Advanced)

ARCHITECTURAL STUDIES

Recommended studies: Ancient History, Design and Technology, English (Advanced), Modern History, Visual Arts

ART THEORY

Recommended studies: One or more of English (Advanced), Modern History, Visual Arts
Additional selection criteria: Portfolio

ARTS

Areas of study: Asian studies; Australian studies; Chinese studies; creative writing; criminology; development studies; English; environmental humanities; European studies; film studies; French studies; geography; German studies; history; Indigenous studies; international relations; Japanese studies; Korean studies; linguistics; media, culture and technology; music studies; philosophy; politics; sociology and anthropology; Spanish and Latin American studies; theatre and performance studies
Recommended studies: English (Advanced). For other recommended studies visit unsw.edu.au/hscplus

ARTS AND BUSINESS

Areas of study: Asian studies; Australian studies; Chinese studies; creative writing; criminology; dance studies; development studies; English; environmental humanities; European studies; film studies; French studies; German studies; history; Indigenous studies; international relations; Japanese studies; Korean studies; linguistics; media, culture and technology; music studies; philosophy; politics; sociology and anthropology; Spanish and Latin American studies; theatre and performance studies
Assumed knowledge: Mathematics
Recommended studies: English (Advanced). For other recommended studies visit unsw.edu.au/hscplus

AVIATION

Flying

Assumed knowledge: Mathematics
Recommended studies: Physics
Additional selection criteria: Medical examination, internal application, interview

Management

Assumed knowledge: Mathematics General 2
Recommended studies: Mathematics, Physics

CITY PLANNING

Recommended studies: Design and Technology, Economics, English (Advanced), Geography, Legal Studies, Society and Culture

COMMERCE

Areas of study: Accounting, business economics, business law, business strategy and economic management, finance, financial economics, human resource management, information systems, international business, management, marketing, real estate studies, taxation
Assumed knowledge: Mathematics
Recommended studies: English (Advanced), HSC Mathematics Extension 1

COMMERCE (INTERNATIONAL)

Areas of study: Accounting, Asian studies, business economics, business law, business strategy and economic management, development studies, European studies, finance, financial economics, history, human resource management, information systems, international business, international relations, language studies, management, marketing, politics, real estate studies, taxation
Assumed knowledge: Mathematics
Recommended studies: English (Advanced), HSC Mathematics Extension 1

COMPUTATIONAL DESIGN

Recommended studies: Design and Technology, Information Processes and Technology, Mathematics, Software Design and Development, Visual Arts

COMPUTER SCIENCE

Assumed knowledge: HSC Mathematics Extension 1
Recommended studies: Engineering Studies, HSC Mathematics Extension 2, Information Processes and Technology, Physics, Software Design and Development

CONSTRUCTION MANAGEMENT AND PROPERTY

Recommended studies: English (Advanced), Mathematics

CRIMINOLOGY AND CRIMINAL JUSTICE

Recommended studies: English (Advanced). For other recommended studies visit unsw.edu.au/hscplus

DESIGN

Areas of study: Ceramics, graphics media, interactive media, jewellery, object design, spatial design, textiles
Assumed knowledge: Visual Arts
Recommended studies: Design and Technology, Industrial Technology, Textiles and Design
Additional selection criteria: Portfolio

ECONOMICS

Areas of study: accounting, business law, econometrics, economics, finance, financial economics, human resource management, information systems, international business, management, marketing, mathematics, psychology, statistics, taxation, any major offered in B Arts
Assumed knowledge: Mathematics
Recommended studies: English (Advanced), HSC Mathematics Extension 1

EDUCATION

Arts / Education (Secondary)

Assumed knowledge: Any two units of English (Band 5)
Recommended studies: English (Advanced). For other recommended studies visit unsw.edu.au/hscplus

Commerce / Education (Secondary)

Assumed knowledge: Mathematics and any two units of English (Band 5)
Recommended studies: English (Advanced). For other recommended studies visit unsw.edu.au/hscplus

Design / Education (Secondary)

Assumed knowledge: Visual Arts and any two units of English (Band 5)
Recommended studies: English (Advanced). For other recommended studies visit unsw.edu.au/hscplus

Economics / Education (Secondary)

Assumed knowledge: Mathematics and any two units of English (Band 5)
Recommended studies: English (Advanced). For other recommended studies visit unsw.edu.au/hscplus

Fine Arts / Education (Secondary)

Assumed knowledge: Visual Arts and any two units of English (Band 5)
Recommended studies: English (Advanced). For other recommended studies visit unsw.edu.au/hscplus

Media Arts / Education (Secondary)

Assumed knowledge: Any two units of English (Band 5)
Recommended studies: English (Advanced). For other recommended studies visit unsw.edu.au/hscplus

Music / Education (Secondary)

Assumed knowledge: Any two units of English (Band 5)
Recommended studies: Music 2, Music Extension, AMEB (7th grade practical and 6th grade theory or musicianship) or equivalent study. For other recommended studies visit unsw.edu.au/hscplus.
Additional selection criteria: Audition

Science / Education (Secondary)

Assumed knowledge: Mathematics (prospective science teachers must also have Chemistry or Physics) and any two units of English (Band 5)
Recommended studies: English (Advanced). For other recommended studies visit unsw.edu.au/hscplus

ENGINEERING

Aerospace Engineering
Chemical Engineering
Civil Engineering
Civil Engineering with Architecture
Computer Engineering
Electrical Engineering
Environmental Engineering
Geospatial Engineering
Materials Science and Engineering
Mechanical Engineering
Mechanical and Manufacturing Engineering
Mechatronic Engineering
Mining Engineering
Naval Architecture
Petroleum Engineering
Photovoltaics and Solar Energy Engineering
Renewable Energy Engineering
Surveying
Telecommunications

Assumed knowledge: HSC Mathematics Extension 1, Physics
Recommended studies: Biology, Chemistry, Engineering Studies, HSC Mathematics Extension 2, Information Processes and Technology, Software Design and Development

Bioinformatics Engineering

Assumed knowledge: Chemistry, HSC Mathematics Extension 1, Physics
Recommended studies: Biology, Engineering Studies, HSC Mathematics Extension 2, Information Processes and Technology, Software Design and Development

Industrial Chemistry

Assumed knowledge: Chemistry, HSC Mathematics Extension 1, Physics
Recommended studies: Biology, Engineering Studies, HSC Mathematics Extension 2, Information Processes and Technology, Software Design and Development

Software Engineering

Assumed knowledge: HSC Mathematics Extension 1
Recommended studies: Biology, Chemistry, Engineering Studies, HSC Mathematics Extension 2, Information Processes and Technology, Software Design and Development

EXERCISE PHYSIOLOGY

Assumed knowledge: Chemistry, Mathematics
Recommended studies: Biology; Physics; Personal Development, Health and Physical Education (PDHPE)

FINE ARTS

Areas of study: Drawing, interactive media, painting, performance installation, photography, printmaking, sculpture, textiles
Assumed knowledge: Visual Arts
Additional selection criteria: Portfolio

FOOD SCIENCE AND TECHNOLOGY

Assumed knowledge: Chemistry, Mathematics
Recommended studies: Biology, Physics

INDUSTRIAL DESIGN

Recommended studies: Design and Technology, Visual Arts

INFORMATION SYSTEMS

Assumed knowledge: Mathematics
Recommended studies: English (Advanced), HSC Mathematics Extension 1

INTERIOR ARCHITECTURE

Recommended studies: Design and Technology, English (Advanced), Textiles and Design, Visual Arts

INTERNATIONAL STUDIES

Areas of study: Asian studies, development studies, European studies, international business, international relations, language studies
Recommended studies: English (Advanced). For other recommended studies visit unsw.edu.au/hscplus

LANDSCAPE ARCHITECTURE

Recommended studies: Geography, Visual Arts, English (Advanced), Design and Technology

LAW (DUAL)

The following dual Law courses are offered:

- Actuarial Studies/Law
- Advanced Mathematics (Hons)/Law
- Advanced Science (Hons)/Law
- Arts and Business/Law
- Art Theory/Law
- Arts/Law
- City Planning (Hons)/Law
- Commerce/Law
- Criminology and Criminal Justice/Law
- Economics/Law
- Engineering (Hons)/Law
- Fine Arts/Law
- International Studies/Law
- Media (Communication and Journalism)/Law
- Media (PR and Advertising)/Law
- Media (Screen and Sound Production)/Law
- Medicinal Chemistry (Hons)/Law
- Music/Law
- Psychological Science/Law
- Psychology (Hons)/Law
- Science/Law
- Science (Computer Science)/Law
- Science and Business/Law
- Social Research and Policy/Law
- Social Work (Hons)/Law

Assumed knowledge: *For Law:* None *For the other area of study:* Refer to the relevant entry
Recommended studies: *For Law:* None *For the other area of study:* Refer to the relevant entry
Additional selection criteria: Law Admission Test (LAT)

MEDIA

Communication and Journalism
Public Relations and Advertising
Screen and Sound Production

Recommended studies: English (Advanced). For other recommended studies visit unsw.edu.au/hscplus

MEDIA ARTS

Areas of study: Animation and visual effects, digital media, interactive media
Recommended studies: Design and Technology, Industrial Technology (Multimedia Technologies), Visual Arts
Additional selection criteria: Portfolio

MEDICAL SCIENCE

Assumed knowledge: Mathematics, Chemistry
Recommended studies: Biology, Earth and Environmental Science, HSC Mathematics Extension 1, Physics

MEDICINE

Assumed knowledge: English (Standard)
Recommended studies: Chemistry
Additional selection criteria: Undergraduate Medicine and Health Sciences Admission Test (UMAT), interview

MUSIC

Areas of study: Music creative practice, music pedagogy, music studies, sonic arts
Recommended studies: Music 2, HSC Music Extension, AMEB (7th grade practical and 6th grade theory or musicianship) or equivalent study. For other recommended studies visit unsw.edu.au/hscplus.
Additional selection criteria: Audition

OPTOMETRY

Assumed knowledge: Chemistry, English (Advanced), Mathematics, Physics
Additional selection criteria: Undergraduate Medicine and Health Sciences Admission Test (UMAT)

PSYCHOLOGY

Assumed knowledge: Mathematics
Recommended studies: Biology, Chemistry, Earth and Environmental Science, English (Advanced), Physics

SCIENCE

Advanced Mathematics

Assumed knowledge: HSC Mathematics Extension 1
Recommended studies: HSC Mathematics Extension 2

Advanced Science

Assumed knowledge: Chemistry, Mathematics and one or more of Biology, Earth and Environmental Science, Physics, HSC Mathematics Extension 1 (depending on chosen area of study)

Biotechnology

Assumed knowledge: Chemistry, Mathematics
Recommended studies: Biology

Environmental Management

Assumed knowledge: Chemistry, Mathematics
Recommended studies: Biology, Earth and Environmental Science, Physics

Life Sciences

Assumed knowledge: Mathematics and one of Biology or Chemistry

Medicinal Chemistry

Assumed knowledge: Mathematics, Chemistry
Recommended studies: Biology, Physics

Nanoscience

Assumed knowledge: Chemistry, HSC Mathematics Extension 1, Physics
Recommended studies: Biology, Earth and Environmental Science

Science

Assumed knowledge: Chemistry, Mathematics and one or more of Biology, Earth and Environmental Science, Physics, HSC Mathematics Extension 1 (depending on chosen area of study)

SOCIAL RESEARCH AND POLICY

Areas of study: Development studies; economics; environmental humanities; human resource management; Indigenous studies; international business; international relations; marketing; media, culture and technology; politics; sociology and anthropology
Recommended studies: English (Advanced). For other recommended studies visit unsw.edu.au/hscplus

SOCIAL WORK

Recommended studies: English (Advanced). For other recommended studies visit unsw.edu.au/hscplus

DUAL DEGREES

If you intend to undertake dual degrees check the prerequisites, assumed knowledge and recommended studies for both degrees. Contact the University for further details.

- Actuarial Studies/Advanced Mathematics (Hons)
- Actuarial Studies/Commerce
- Actuarial Studies/Economics
- Actuarial Studies/Science
- Advanced Mathematics (Hons)/Arts
- Advanced Mathematics (Hons)/Computer Science
- Advanced Mathematics (Hons)/Engineering (Hons)
- Advanced Science (Hons)/Arts
- Advanced Science (Hons)/Computer Science
- Advanced Science (Hons)/Engineering (Hons)
- Advanced Science (Hons)/Fine Arts
- Advanced Science (Hons)/Social Research and Policy
- Art Theory/Arts
- Art Theory/Social Research and Policy
- Commerce/Advanced Mathematics (Hons)
- Commerce/Advanced Science (Hons)
- Commerce/Arts
- Commerce/Aviation (Management)
- Commerce/Computer Science
- Commerce/Design
- Commerce/Economics
- Commerce/Fine Arts
- Commerce/Information Systems
- Commerce/Media (PR and Advertising)
- Commerce/Science
- Computer Science/Arts
- Computer Science/Media Arts
- Design (Hons)/Media (PR and Advertising)
- Economics/Advanced Mathematics (Hons)
- Economics/Advanced Science (Hons)
- Economics/Arts
- Economics/Science
- Engineering (Hons)/Arts
- Engineering (Hons)/Biomedical Engineering
- Engineering (Hons)/Commerce
- Engineering (Hons)/Computer Science
- Engineering (Hons)/Engineering
- Engineering (Hons)/Science
- Environmental Management/Arts
- Fine Arts/Arts
- Materials Science and Engineering (Hons)/Biomedical Engineering
- Materials Science and Engineering (Hons)/Commerce
- Materials Science and Engineering (Hons)/Engineering Science (Chemical Engineering)
- Media/International Studies
- Medicine/Arts
- Music/Advanced Science (Hons)
- Music/Arts
- Music/Commerce
- Music/Engineering (Hons)
- Music/Media
- Music/Science
- Science/Arts
- Science/Computer Science
- Science/Fine Arts
- Science/Social Research and Policy
- Social Work (Hons)/Arts
- Social Work (Hons)/Criminology and Criminal Justice
- Social Work (Hons)/Social Research and Policy

Dual degrees in Law and Education are also offered. Refer to the main subject area for details.

UNSW Canberra at the Australian Defence Force Academy (ADFA)

ARTS

Assumed knowledge: English (Advanced)
Recommended studies: For details visit www.unsw.edu.au/hscplus.
Additional selection criteria: Interview by Defence Force Recruitment and selection for entry to the Australian Defence Force

AVIATION

Assumed knowledge: Mathematics, Physics
Recommended studies: For details visit www.unsw.edu.au/hscplus.
Additional selection criteria: Interview by Defence Force Recruitment and selection for entry to the Australian Defence Force

BUSINESS

Assumed knowledge: English (Advanced)
Recommended studies: For details visit www.unsw.edu.au/hscplus.
Additional selection criteria: Interview by Defence Force Recruitment and selection for entry to the Australian Defence Force

ENGINEERING

Areas of study: Aeronautical engineering, civil engineering, electrical engineering, mechanical engineering
Assumed knowledge: HSC Mathematics Extension 1, Physics
Recommended studies: For details visit www.unsw.edu.au/hscplus.
Additional selection criteria: Interview by Defence Force Recruitment and selection for entry to the Australian Defence Force

INFORMATION TECHNOLOGY

Recommended studies: For details visit www.unsw.edu.au/hscplus.
Additional selection criteria: Interview by Defence Force Recruitment and selection for entry to the Australian Defence Force

SCIENCE

Recommended studies: For details visit www.unsw.edu.au/hscplus.
Additional selection criteria: Interview by Defence Force Recruitment and selection for entry to the Australian Defence Force

Western Sydney University

www.westernsydney.edu.au
CRICOS provider numbers UWS 00917K

WESTERN SYDNEY UNIVERSITY

Enquiries

by post: Course Information Centre
Western Sydney University
Locked Bag 1797
Penrith NSW 2751

telephone: 1300 897 669
email: study@westernsydney.edu.au

In person

Bankstown campus
Student Central
Building 1, Bullecourt Avenue
Milperra NSW 2214

Nirimba (Blacktown) campus
Student Central
Building U8, Eastern Road
Quakers Hill NSW 2763

Campbelltown campus
Student Central
Building 5, Narellan Road
Campbelltown NSW 2560

Hawkesbury campus
Student Central
Building K4, Bourke Street
Richmond NSW 2753

Lithgow campus
The College Student Centre
Charles Hoskin Memorial Institute
Cnr Bridge and Mort streets
Lithgow NSW 2790

Parramatta campus
Student Central
Building EJa, Cnr James Ruse Drive and Victoria Road
Parramatta NSW 2150

Parramatta City campus
169 Macquarie Street
Parramatta NSW 2150

Penrith campus
Student Central
Building K, Second Avenue
Kingswood NSW 2747

Westmead Precinct
The College Westmead
Student Centre
Building J, Hawkesbury Road
Westmead NSW 2145

READ THIS FIRST

- When you read 'any two units of science' this can include Biology, Chemistry, Physics, Earth and Environmental Science or Senior Science.
- Mathematics requirements for science courses: Students who (a) have not undertaken HSC-level mathematics or (b) have attempted Mathematics General 2 or Mathematics but achieved no higher than Band 2 or 3 (or equivalent) will be required to take a study pattern that includes preparatory studies in mathematics in readiness for the higher level mathematics studied in this program.

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

ACCOUNTING

Assumed knowledge: Mathematics, any two units of English.
Students unable to demonstrate sufficient levels of achievement in mathematics will be required to use one of the elective units to increase their mathematical aptitude. This will not lengthen the period of study.

ANTHROPOLOGY

Assumed knowledge: Any two units of English

ARCHITECTURE

Assumed knowledge: Mathematics, any two units of English

ARTS

Areas of study: Arabic, Chinese, cultural and social analysis, English, history and political thought, Indigenous Australian studies, Indonesian, international relations and Asian studies, Islamic studies, Japanese, linguistics, philosophy, psychological studies, Spanish
Assumed knowledge: Any two units of English (Band 4)
Recommended studies: English (Standard)
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

Interpreting and Translation

Assumed knowledge: Any two units of English. Applicants should be a native or near native speaker of Arabic, Chinese, Japanese or Spanish.
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

Languages and Linguistics

Assumed knowledge: Any two units of English

Pathway to Teaching (Birth–5 / Birth–12)

Assumed knowledge: Any two units of English (Band 5), any two units of mathematics (Band 4)
Recommended studies: English (Standard) or equivalent

Diploma Pathway (Birth–5 / Birth–12)

Recommended studies: English (Standard) or equivalent

Pathway to Teaching (Primary) – Arts

Assumed knowledge: Any two units of English (Band 5), any two units of mathematics (Band 4)
Recommended studies: English (Standard) or equivalent
Additional selection criteria: Dean's Scholar entry entry requires a higher minimum cut-off.

Pathway to Teaching (Secondary) – Arts / Science / Health Science

Assumed knowledge: Any two units of English (Band 5), any two units of mathematics (Band 4)
Recommended studies: English (Standard) or equivalent
Additional selection criteria: Dean's Scholar entry entry requires a higher minimum cut-off.

Requirements for teaching courses are currently under review. Check with the University for specific requirements.

ARTS (DIP)

Assumed knowledge: Any two units of English

BUILDING DESIGN MANAGEMENT
BUILDING DESIGN MANAGEMENT (DIP)

Recommended studies: Mathematics, any two units of English

BUSINESS
BUSINESS (ADVANCED BUSINESS LEADERSHIP)

Accounting
Applied Finance
Economics
Hospitality Management
Human Resource Management
International Business
Management
Marketing
Property
Sport Management

Assumed knowledge: Mathematics, any two units of English.
Students unable to demonstrate sufficient levels of achievement in mathematics will be required to use one of the elective units to increase their mathematical aptitude. This will not lengthen the period of study.
Additional selection criteria: Advanced Business Leadership entry requires a higher minimum cut-off.

BUSINESS (DIP)

Assumed knowledge: Any two units of English, any two units of mathematics
Recommended studies: Legal Studies, Business Studies, Economics

COMMUNICATION
COMMUNICATION (DIP)

Areas of study: Advertising, journalism, media arts production, public relations
Assumed knowledge: Any two units of English
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

Screen media (Arts and Production)

Assumed knowledge: Any two units of English

COMMUNITY AND SOCIAL DEVELOPMENT
COMMUNITY AND SOCIAL DEVELOPMENT (DIP)

Additional selection criteria: Application is via the Aboriginal and Torres Strait Islander Alternative Entry Program. Check with the University for more details.

COMMUNITY WELFARE

Requirements: None

COMPUTER SCIENCE

Areas of study: Networked systems, systems programming, systems security
Assumed knowledge: Mathematics, any two units of English
Recommended studies: HSC Mathematics Extension 1

COMPUTER SCIENCE (ADVANCED)

Areas of study: Networked systems, systems programming, systems security
Assumed knowledge: Mathematics, any two units of English
Recommended studies: HSC Mathematics Extension 1
Additional selection criteria: Computer Science (Advanced) entry requires a higher minimum cut-off.

CONSTRUCTION MANAGEMENT

Recommended studies: Mathematics, Physics, any two units of English

CONSTRUCTION MANAGEMENT (DIP)

Assumed knowledge: Any two units of mathematics
Recommended studies: Physics

CONSTRUCTION TECHNOLOGY

Recommended studies: Mathematics, Physics, any two units of English

CRIMINAL AND COMMUNITY JUSTICE
CRIMINAL AND COMMUNITY JUSTICE (DIP)

Assumed knowledge: English (Standard)

CRIMINOLOGY

Assumed knowledge: English (Standard)

DESIGN
DESIGN (DIP)

Visual Communication

Assumed knowledge: One or more of Design and Technology, Visual Arts, Information Processes and Technology
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

DESIGN AND TECHNOLOGY

Assumed knowledge: Any two units of English, at least two of Design and Technology, Visual Arts, Physics

EDUCATION (PRIMARY) – ATSIE

Available only to Aboriginal and Torrest Strait Islander students.

Additional selection criteria: Entry is via the Aboriginal and Torres Strait Islander Alternative Entry Program. Check with the University for more details.

ENGINEERING (HONOURS)

Areas of study: Civil, construction, electrical, mechanical, robotics and mechatronics
Assumed knowledge: Mathematics (Band 5 or higher), any two units of science, any two units of English
Recommended studies: Physics plus HSC Mathematics Extension 1 or HSC Mathematics Extension 2

ENGINEERING (ADVANCED) (HONOURS)

Areas of study: Civil, construction, electrical, mechanical, robotics and mechatronics
Assumed knowledge: Any two units of science, any two units of English, Mathematics (Band 5 or higher).
Recommended studies: HSC Mathematics Extension 2
Additional selection criteria: Engineering (Advanced) (Honours) entry requires a higher minimum cut-off.

ENGINEERING (DIP)

Assumed knowledge: Any two units of English, any two units of mathematics
Recommended studies: Physics

ENGINEERING SCIENCE

Assumed knowledge: Mathematics (Band 4 or higher), any two units of science, any two units of English
Recommended studies: Physics, HSC Mathematics Extension 1 or HSC Mathematics Extension 2

FORENSIC SCIENCE

Assumed knowledge: At least two of Biology, Chemistry, Mathematics

HEALTH SCIENCE

Areas of study: Health promotion, health services management, public health, therapeutic recreation
Assumed knowledge: Any two units of English

Health and Physical Education

Assumed knowledge: Any two units of English
Recommended studies: Personal Development, Health and Physical Education (PDHPE) or Community and Family Studies

Health and Physical Education Pathway to Teaching (Secondary)

Assumed knowledge: Any two units of English (Band 5)
Recommended studies: Personal Development, Health and Physical Education (PDHPE) or Community and Family studies plus English (standard) or equivalent

Public Health

Assumed knowledge: Any two units of English

Sport and Exercise Science

Assumed knowledge: Any two units of English
Recommended studies: Any two units of science and/or mathematics. Personal Development, Health and Physical Education (PDHPE) can be counted as a science unit for this course.

HEALTH SCIENCE (DIP)

Areas of study: Health and physical education, health promotion, health services management, physical development, therapeutic recreation
Assumed knowledge: Any two units of English

HUMANITARIAN AND DEVELOPMENT STUDIES

Assumed knowledge: English (Standard)

INDUSTRIAL DESIGN

Assumed knowledge: Design and Technology, any two units of English, at least two units of Business Studies, Mathematics, Physics, Visual Arts

INFORMATION AND COMMUNICATIONS TECHNOLOGY
INFORMATION AND COMMUNICATIONS TECHNOLOGY (ADVANCED)
INFORMATION AND COMMUNICATIONS TECHNOLOGY (DIP)
INFORMATION AND COMMUNICATIONS TECHNOLOGY (HEALTH INFORMATION MANAGEMENT)
INFORMATION AND COMMUNICATIONS TECHNOLOGY (HEALTH INFORMATION MANAGEMENT) (DIP)

Areas of study: Entertainment computing, health informatics, mathematics, mobile computing, networking
Assumed knowledge: Mathematics, any two units of English
Additional selection criteria: Information and Communications Technology (Advanced) entry requires a higher minimum cut-off.

INFORMATION SYSTEMS
INFORMATION SYSTEMS (ADVANCED)

Areas of study: Entertainment computing, health informatics, mathematics, mobile computing, networking
Assumed knowledge: Mathematics, any two units of English
Additional selection criteria: Information Systems (Advanced) entry requires a higher minimum cut-off.

INTERNATIONAL STUDIES

Assumed knowledge: Any two units of English (Band 4)
Recommended studies: English (Standard)
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

ISLAMIC STUDIES (DIP)

Assumed knowledge: Any two units of English

LAWS

Assumed knowledge: English (Advanced)

LAWS (COMBINED)

The following combined Law courses are offered:

- Accounting/Laws
- Arts/Laws
- Business /Laws
- Business (Advanced Business Leadership)/Laws
- Communication/Laws
- Construction Management Studies/Laws
- Criminal and Community Justice/Laws
- Criminology/Laws
- Information and Communications Technology/Laws
- Information Systems/Laws
- International Studies/Laws
- Laws/Applied Leadership and Critical Thinking
- Science/Laws
- Social Science/Laws

Assumed knowledge: *For Laws:* English (Advanced) *For the other area of study:* Refer to the relevant entry

MEDICAL SCIENCE
MEDICAL SCIENCE (ADVANCED)

Assumed knowledge: At least two of Biology, Chemistry, Mathematics, Physics
Recommended studies: *For Medical Science (Advanced):* Mathematics (Band 4 or above), Chemistry
Additional selection criteria: Medical Science (Advanced) entry requires a higher minimum cut-off.

MEDICINE / SURGERY

Additional selection criteria: Undergraduate Medicine and Health Sciences Admission Test (UMAT), interview

MIDWIFERY

Assumed knowledge: Any two units of English, any two units of Mathematics, any two units of science
Additional selection criteria: Interview

MUSIC

Additional selection criteria: Audition, interview, or AMEB (or equivalent) 6th grade performance and 4th grade theory, or TAFE Diploma or Advanced Diploma. Dean's Scholar entry requires a higher minimum cut-off.

NATURAL SCIENCE

Animal Science

Assumed knowledge: Any two units of English, any two units of mathematics
Recommended studies: At least one of Agriculture, Biology, Chemistry, Earth and Environmental Science, Geography

Environment and Health

Assumed knowledge: Mathematics, any two units of science

Environmental Management

Assumed knowledge: Any two units of English, any two units of science
Recommended studies: Biology or Chemistry

NATURAL SCIENCE (ADVANCED)

Assumed knowledge: At least two of Biology, Chemistry, Mathematics, Physics
Recommended studies: At least one of Agriculture, Biology, Chemistry, Earth and Environmental Science, Geography
Additional selection criteria: Natural Science (Advanced) entry requires a higher minimum cut-off.

NURSING

Assumed knowledge: Any two units of English, any two units of Mathematics, any two units of science
Additional selection criteria: Nursing (Advanced) entry requires a higher minimum cut-off.

OCCUPATIONAL THERAPY

Assumed knowledge: Any two units of English
Recommended studies: Physics, Chemistry plus Biology and/or Personal Development, Health and Physical Education (PDHPE)

PARAMEDICINE

Assumed knowledge: Any two units of English; Mathematics
Recommended studies: Biology or Personal Development, Health and Physical Education (PDHPE)

PHYSIOTHERAPY

Assumed knowledge: Any two units of English
Recommended studies: Physics, Chemistry plus Biology and/or Personal Development Health and Physical Education (PDHPE)

PLANNING

Pathway to Master of Urban Management and Planning

Recommended studies: Any two units of English

PODIATRIC MEDICINE

Assumed knowledge: Any two units of English
Recommended studies: Mathematics, Physics, Biology

POLICING

Requirements: None

Policing (Leadership Program)

Recommended studies: Any two units of English
Additional selection criteria: Policing (Leadership Program) entry requires a higher minimum cut-off.

PSYCHOLOGY

Assumed knowledge: English (Standard)
Recommended studies: Mathematics, Science

SCIENCE

Assumed knowledge: At least two of Biology, Chemistry, Mathematics, Physics

Biological Sciences

Assumed knowledge: At least two of Biology, Chemistry, Mathematics, Physics (read note at beginning of entry)

Chemistry

Assumed knowledge: At least two of Biology, Chemistry, Mathematics, Physics (read note at beginning of entry)

Environmental Science

Assumed knowledge: Any two units of English, any two units of science
Recommended studies: Biology, Chemistry, Geography

Mathematical Science

Assumed knowledge: Mathematics
Recommended studies: HSC Mathematics Extension 1

Nutrition and Food Science

Assumed knowledge: At least two of Biology, Chemistry, Mathematics

Science/Pathway to Master of Teaching (Secondary)

Assumed knowledge: At least two of Biology, Chemistry, Mathematics, Physics

Zoology

Assumed knowledge: Any two units of English, any two units of science

SCIENCE (ADVANCED)

Assumed knowledge: At least two of Biology, Chemistry, Mathematics, Physics
Additional selection criteria: Science (Advanced) entry requires a higher minimum cut-off.

SCIENCE (DIP)

Assumed knowledge: Any two units of mathematics, any two units of science
Recommended studies: Biology, Chemistry, Physics

SOCIAL SCIENCE

SOCIAL SCIENCE (ADVANCED)

Assumed knowledge: English (Standard)
Additional selection criteria: Social Science (Advanced) entry requires a higher minimum cut-off.

Science, Criminology and Psychological Studies

Assumed knowledge: English (standard)

SOCIAL SCIENCE (DIP)

Assumed knowledge: Any two units of English

SOCIAL SCIENCE (POLICING) (DIP)

Requirements: None

SOCIAL WORK

Assumed knowledge: Any two units of English

SUSTAINABLE AGRICULTURE AND FOOD SECURITY

Assumed knowledge: Any two units of English, any two units of mathematics
Recommended studies: Biology, chemistry, agriculture, geography

TOURISM MANAGEMENT

Assumed knowledge: Any two units of English
Recommended studies: Geography and/or Business studies

TRADITIONAL CHINESE MEDICINE

Assumed knowledge: Any two units of English
Recommended studies: Biology

COMBINED/DOUBLE DEGREES

For combined/double degrees check the prerequisites, assumed knowledge and recommended studies for both degrees. Contact the University for further details.

- Arts/Business
- Communication (Advertising or Public Relations)/Business
- Communication/International Studies
- Engineering (Honours)/Business
- Information and Communications Technology/Arts
- Information and Communications Technology/Business
- Information and Communications Technology/Business (Accounting)
- Information and Communications Technology/Data Science
- International Studies/Business
- Science/Arts
- Science/Business
- Science/International Studies
- Social Work/Criminal and Community Justice
- Zoology/Animal Science

Combined/double degrees in Laws are also offered. Refer to main subject entry for details.

APPLIED LEADERSHIP AND CRITICAL THINKING

This degree can be taken in conjunction with most Bachelor degrees listed in this booklet. It is not a stand-alone program.

Assumed knowledge: Any two units of English

DATA SCIENCE

This degree can be taken in conjunction with most Bachelor degrees listed in this booklet. It is not a stand-alone program.

Assumed knowledge: Any two units of Mathematics

William Blue College of Hospitality Management

www.williamblue.edu.au
CRICOS provider number 00246M

Enquiries

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email: enquiries@williamblue.edu.au
facebook: www.facebook.com/wbcollege
instagram: www.instagram.com/williambluecollege

Main headings indicate courses that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

BUSINESS

Event Management
Tourism Management

Areas of study: Business accounting, human resource management, marketing fundamentals, managing in a global environment
Requirements: None

Hospitality Management

Recommended studies: Hospitality

HOSPITALITY MANAGEMENT

Areas of study: Business accounting, marketing fundamentals, human resource management, managing in a global environment, visitor economy

Commercial Cookery (Adv Dip)

Recommended studies: Food Technology, Hospitality

Event Management (Adv Dip)

Requirements: None

Hotel Management (Adv Dip)

Areas of study: Accounting, customer service, facilities and design, food and beverage, front office, kitchen operations, operations, sales and marketing, workplace relations Recommended studies: Hospitality

Event Management (Dip)
Hospitality (Dip)

Requirements: None

Other UAC resources

Publications

- UAC Guide
- UAC International booklet
- Educational Access Schemes (EAS) booklet
- Equity Scholarships (ES) booklet
- Schools Recommendation Schemes (SRS) booklet
- Report on the Scaling of the NSW Higher School Certificate
- UAC News
- Directions (e-newsletter)
- All About Your ATAR
- Frequently Asked Questions About the ATAR
- All About UAC for Student Advisers
- All About UAC for Parents

Online

UAC offers a range of online resources on its website. Visit www.uac.edu.au/media-hub/videos and www.uac.edu.au/schoolink/ for more details.

ATAR

- All about your ATAR (YouTube video)
- ATAR Facts and Myths (PowerPoint presentation)

Year 10

- A Walk Through the Year 10 Booklet (PowerPoint presentation)
- Choosing HSC Courses – Facts and Myths (PowerPoint presentation)

Year 12

- Applying to Uni: It's Easy if You Know What to Do (PowerPoint presentation)
- How to Apply Through UAC Undergraduate: Australian Year 12 Students (YouTube video)
- How to Apply Through UAC International: Australian Year 12 or IB in Australia (YouTube video)
- How to Apply Through UAC Undergraduate: Non-Year 12 Students (YouTube video)

University Entry Requirements 2019 for Year 10 Students

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About this publication

This booklet is for students in Year 10 in 2016 to help them decide which HSC courses to take in years 11 and 12. It lists courses UAC's participating institutions will offer in 2019 with details of prerequisites, assumed knowledge, recommended studies and additional selection criteria.

Cover image

Amy Millhouse
Sefton High School

Bypassed: Infinite Enchantment (Drawing)

'It is by embracing the natural landscape that one's experience of the world is truly enriched. My work reflects my fascination with the intricate wonders of the natural environment, as well as the desire to break free from the contemporary need for constant attention and celebrity. We forget that our modern society is embedded in and exists within this enduring natural realm. Many seek status and wealth, but it is the natural world that is capable of granting all of us a sense of fulfilment and belonging. My wish is to be eternally captivated by my experiences of our Earth's charms.' Amy Millhouse

ARTEXPRESS

ARTEXPRESS is a showcase of work selected from the NSW Higher School Certificate examination in Visual Arts. ARTEXPRESS is a joint project of the NSW Department of Education and Communities and BOSTES in association with the Art Gallery of NSW. Artworks are displayed at Margaret Whitlam Galleries, Western Sydney University; Hazelhurst Regional Gallery & Arts Centre; The Armory, Sydney Olympic Park; Art Gallery of New South Wales; Wollongong Art Gallery; Wagga Wagga Art Gallery; McGlade Art Gallery, Australian Catholic University; Glasshouse Port Macquarie; and the Blue Mountains Cultural Centre from February to December.

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1 In the *Privacy and Personal Information Protection Act 1998 (NSW).*
2 In the *Privacy Act 1988 (Cth).*
3 In the *Health Records and Information Privacy Act 2002 (NSW).*

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