

Steps to Uni

for Year 10 students



UAC



Welcome to UAC



Congratulations on reaching Year 10! It's a year of big decisions and we're excited to join you as you prepare for the final stretch of your schooling.

The Universities Admissions Centre (UAC) receives and processes applications for undergraduate and postgraduate courses at universities – and some colleges – in NSW and the ACT. UAC also calculates and provides the Australian Tertiary Admission Rank (ATAR) to NSW HSC students and processes applications for some university entry schemes and scholarships.

So, you'll be hearing a lot more from us over the next few years. Our Community Engagement team might even visit your school, or you can catch up with us at higher education expos and uni info days. We also run a series of webinars on a wide variety of topics, which will be very helpful for you in your final year, and you can follow us on Facebook and Instagram for the latest events, tips and information.

For now, we hope you find this book useful as you choose your HSC courses for Years 11 and 12. Its aim is to help you think about the next two years and make the best decisions for successful study in senior school and beyond.

The worksheets in this book are a great way to document your interests, skills and inspirations so you can match them to relevant HSC courses, a uni degree and a possible future career. There are top tips on navigating HSC course selection and a list of uni courses our participating institutions plan to offer in 2026.

If you need further guidance, our Customer Service team is always ready to take your calls and answer your online enquiries. Please get in touch with us if you ever need advice or reassurance.


In the meantime, good luck with your studies.


All the best,


A handwritten signature in blue ink that reads "Kim Paino".

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Part 1: Year 10 – A year of decisions

In Year 10 you will choose the HSC courses that you will study for the next two years. Choosing the right courses for your HSC can make it easier to get into uni and succeed in your studies.

Introduction

In this booklet, the universities and colleges that make offers through UAC have listed the courses they plan to offer in 2026; that is, the degrees and diplomas you'll be able to study when you leave school. For each course they have also set out, where applicable, details of:

- areas, or topics, you'll study during the course
- prerequisites
- assumed knowledge
- recommended studies
- selection criteria in addition to the ATAR.



Uni open days

Experience life on campus, talk to faculty staff and meet current students at a uni open day.

Or take advantage of an expanding suite of online tours and information sessions.



Scan to view a list of open day dates and locations, or go to uac.edu.au/open-days.

When you're choosing your HSC courses, it's particularly important to consider the university course prerequisites and assumed knowledge.

Prerequisites: These are HSC courses you need to have completed in order to be offered a place in a university course (course prerequisites) or a subject within that course (subject prerequisites). For example, if you want to study a Bachelor of Engineering, the university might require you to have studied Mathematics Advanced.

Assumed knowledge: It's very common for institutions to assume you have knowledge of specific NSW HSC courses when you start your university course. They will start teaching the course based on that assumption. So, if you haven't studied the HSC course you can still be selected for the university course, but you may have some difficulty coping with your studies.

Most institutions offer bridging courses if you have not studied the HSC courses listed as assumed knowledge, but bridging courses are not equivalent to the two-year HSC course and may add significantly to your workload.

Studying HSC courses listed as recommended studies will be helpful when you study the degree but the institution will not assume you have studied them.

This booklet also provides:

- general information about HSC courses, how the ATAR is calculated and used for university entry, and why your selection rank for a course might be higher than your ATAR
- worksheets to guide you through the steps involved in choosing your courses for Years 11 and 12.

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

UAC jargon

Here are definitions of the common terms used by UAC and universities.

Adjustment factors

Factors that universities consider in order to increase your selection rank for a particular course (eg educational disadvantage or high achievement in an HSC course related to your preferred degree). They do not change your ATAR.

Admission criteria

The minimum qualifications (eg HSC, ATAR) you require to be considered for entry to a particular course. In addition to a qualification, you may need to complete a personal statement, questionnaire, portfolio of work, audition, interview or test. If you meet the admission criteria, you then compete against other applicants for a place in the course.

You should find out as soon as possible if the course you're interested in has admission criteria other than the HSC/ATAR, as you may need to work on these during Years 11 and 12.

Advanced diploma

An award that usually requires two years of full-time, or equivalent part-time, study. This is the highest of the undergraduate diploma awards.

Areas of study

Within a university course you study many different topics, but you generally complete one or two major areas of study, specialisations or sub-majors, plus additional or supporting subjects or units.

Associate degree

An award requiring two years of full-time, or equivalent part-time, study. It is equivalent to the first two years of a three-year degree course.

Assumed knowledge

Some institutions assume you have knowledge of specific NSW HSC courses or equivalent when you start your course. If you haven't completed the specified HSC course, you can still be selected for

the university course, but you may have some difficulty coping with your studies. The university might suggest you enrol in a bridging course to gain basic knowledge of the subject.

ATAR (Australian Tertiary Admission Rank)

A measure of academic achievement in the HSC that helps institutions rank applicants for selection to university courses. The ATAR is a rank, not a percentage or a mark out of 100.

ATAR courses

HSC courses developed and examined by the NSW Education Standards Authority. Also known as Board Developed courses, these are the only courses that can be included in the ATAR calculations. HSC Board Developed courses that will be examined in 2025 are listed in the tables on [pages 42 to 43](#).

Bachelor degree

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

Bridging courses

Courses that enable you to achieve a basic level of assumed knowledge for a university course. These courses are only taught to an introductory level and are not equivalent to the two-year HSC course.

Combined/double/dual degrees

Allow students to complete two degrees in less time than if the two degrees were studied one after the other.

Deferment

Delaying the commencement of a course, usually for six months or a year. Some institutions only grant deferments in special circumstances.

Diploma

An award usually requiring one year 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.

Honours

An additional qualification that allows you to build on your undergraduate studies, usually by completing a research project or research-focused coursework. It may be integrated into your undergraduate degree or require an additional year of study.

HSC subject areas and courses

An HSC subject area is a general area of study or a key learning area (eg English).

An HSC course is a branch of study within a subject area (eg English Studies, English Standard, English Advanced, English Extension 1, English Extension 2, English as an Additional Language or Dialect).

Institution

A provider of tertiary study, such as a university or a college. UAC's participating institutions are those you apply to through UAC.

NSW Education Standards Authority (NESA)

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.

Open days

Scheduled days for prospective students to visit a university or college campus to view the facilities and meet academic staff and students. Usually only happen once or twice a year.

Pathway courses

Non-degree courses – such as foundation studies, preparatory courses and certificates, diplomas or associate degrees – offered by institutions to applicants who don't meet the entry requirements for their degree or need further support and preparation before studying at degree level. Many institutions offer entry into the degree after successful completion of the corresponding pathway course. Some institutions offer pathway courses through UAC. The TAFE Certificate IV in Tertiary Preparation is also a pathway course.

Prerequisites (see also Assumed knowledge)

A specified NSW HSC course that you need to have completed, or achieved a specified result in, before you can be considered for a place in the university course (course prerequisites) or a subject within that course (subject prerequisites).

Recommended studies

NSW HSC courses that institutions suggest will help you in your chosen degree. However, if you haven't studied these HSC courses your chances of selection are not affected.

Selection rank

Your selection rank for a uni course takes into account all the criteria you are required to meet in order to gain entry to the course. As a Year 12 student, your selection rank is usually your ATAR plus any adjustment factors for which you are eligible. For example, if you do well in an HSC course related to the degree you want to study, the uni might increase your selection rank for that degree. If you are required to attend an interview or submit a portfolio, your performance in these will also contribute to your selection rank.

The **lowest selection rank** required to be offered a place in a course is determined by:

- the number of places available in the course
- the number of applicants for the course
- the quality of those applicants.

This means that the lowest selection ranks change from year to year and are impossible to predict before applicants are selected for a particular course in a particular year.

Undergraduate course

An entry-level course for first-time university students that leads to a first qualification, such as a bachelor degree or a diploma.



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 courses.



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 final HSC marks.

Eligibility

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.

In each year your studies must include:

- ✓ 6 units of Board Developed courses
- ✓ 2 units of a Board Developed course in English
- ✓ 3 courses of 2 or more units (either Board Developed or Board Endorsed courses)
- ✓ 4 subject areas.

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

HSC courses

There are many HSC courses but not all of them can contribute to an ATAR.

ATAR courses are HSC courses developed and formally examined by NESA. Also known as Board Developed courses, these are the only courses that can be included in ATAR calculations.

HSC Board Developed courses that will be examined in 2025 are listed in the tables on [pages 42 to 43](#).

If the content of a course is endorsed – but not developed – by NESA, it will count towards your HSC but it will not contribute to your 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 university study, ask the institution if there are supplementary studies you need to undertake.

Satisfactorily completing a course

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

- followed the course developed or endorsed by NESA
- 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 contribute to more than 50 per cent of the 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, neither course will contribute towards your ATAR.



The ATAR

The first thing to understand is that the ATAR is a rank, not a mark out of 100 or a percentage. It's a number between 0.00 and 99.95 with increments of 0.05. It tells you about your position overall in the HSC in relation to your peers.

Think of it like a running race: your HSC marks indicate your time, while your ATAR indicates your place (first, second, third, and so on). Your position in the race depends not only on your time but on the times of the students you are competing with.

The median (or middle) ATAR is usually just below 70.00, while median HSC marks are often above 80.

You'll get your ATAR around the same time you get your HSC results.

Eligibility

To be eligible for an ATAR, NSW students must satisfactorily complete at least 10 units of ATAR courses.

In 2025, these ATAR courses must include:

- ✓ 10 units of Board Developed courses
- ✓ 2 units of English
- ✓ three Board Developed courses of 2 units or greater
- ✓ four subject areas.



The last point is easy to overlook. Within a subject area (eg mathematics) there may be a number of courses (eg Mathematics Standard 1 or 2, Mathematics Advanced, Mathematics Extension 1, Mathematics Extension 2).

Let's say a student studies the following courses:

- Mathematics Extension 1 and Extension 2
- English Advanced
- English Extension 1 and Extension 2
- Biology.

This student will **not** meet the four subject area requirement because they have only studied three subjects:

- Mathematics
- English
- Biology.

When you choose your program of study for the HSC, make sure you will be eligible for an ATAR if you want to study at university.



Scan to check the ATAR eligibility of different HSC course combinations using UAC's Subject Compass tool. or go to uac.edu.au/subject-compass.

ATAR eligibility rules have changed slightly for your cohort. Board Developed courses will no longer be classified as Category A or Category B. For details, go to uac.edu.au/atar.



How the ATAR is calculated

Your ATAR is based on your scaled marks in 10 units of ATAR courses, which will include:

- your best 2 units of English
- your best 8 from your remaining courses.

HSC students study roughly 25,000 different combinations of courses. Scaling allows us to compare them.



ATAR and scaling 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.

Your HSC mark for a course will be scaled according to that course's scaled mean. The scaled mean indicates the academic ability of students taking the course, not the perceived difficulty of the course:

- If a course has a high scaled mean, it tells us that, on average, the ability of the students in that course is high: in general, they did well in their other courses.
- If a course has a low scaled mean, it tells us that the ability of the students in that course ranges from high to low. It **doesn't** mean that you can't get a high ATAR if you study that course.

The following table illustrates these points using data from selected 2022 HSC courses.

HSC mean = average student performance in the course

Scaled mean = average position of students taking the course across all their subjects

Max. ATAR of a student taking the course = highest ATAR calculated using both units of the course

Course	Median performance band	HSC mean	Scaled mean	Max. ATAR achieved by a student taking the course
Aboriginal Studies	4	73.2	32.0	99.10
Biology	4	70.4	52.0	99.95
English Advanced	5	82.0	64.2	99.95
Physics	4	74.8	61.8	99.95
Visual Arts	5	81.8	44.2	99.90
Hospitality Exam	4	76.0	38.0	97.75

This student's ATAR is very high even though it was calculated using their results in a course with a low scaled mean.

High scaled means for these courses indicate that the students are generally high achievers in all other courses.

A student taking a VET exam course can still receive a very high ATAR.

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

Studying courses that you are not good at or happy with may mean you won't do your best or achieve good marks. Choosing courses you are good at and do well in will give you the best chance of maximising your ATAR.



Scan to read a detailed explanation of the ATAR, or go to uac.edu.au/atar.







Teaching opens doors

Are you looking for a career that can take you places and allow you to make a difference? Have you considered a career in teaching?

Teaching is no ordinary job. It's a flexible career that can take you places, and gives you numerous choices. It can take you from the classroom to leadership and rewarding community roles.

Benefits of teaching with the NSW Department of Education include:

-  competitive graduate salary
-  ongoing mentoring, support and development
-  flexibility to teach across a range of school settings and locations
-  opportunity to be financially supported while you study and receive a permanent teaching position upon successful completion of your degree

Scan the QR code to find out more about subject requirements, university admission guidelines and scholarship programs available for future teachers.

To find out more about teaching as a career, visit:
tinyurl.com/TeachNSW



Requirements for teaching

If you want to become a teacher in NSW schools, the NSW Education Standards Authority (NESA) requires you to:

- achieve a minimum of three HSC Band 5s, one of which must be in English
- achieve at least an HSC Band 4 in any mathematics course (for primary school teaching only)
- pass national literacy and numeracy tests before you graduate.

If you don't meet the HSC requirements set by NESA, you can talk to the university about other NESA-approved pathways to teaching.

For full details, check with the individual institutions.

Lots of students get HSC marks between 70 and 80, so their rankings are really spread out. Getting closer to 80 will make a big difference to your 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. Each college determines the courses (and units) that they offer to students. There are no compulsory courses or units and no examinations set by a central authority for any subject.

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

The calculation of the ATAR in the ACT is based on your best three major scaled course scores plus 0.6 of the next best scaled course score (major or minor). The scaled course scores are 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 university courses, which are 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 Senior Secondary Certificate courses compare to NSW HSC courses.

International Baccalaureate

If you're an IB student, you won't receive an ATAR. Instead, an IB Admissions Score (IBAS) will be calculated for you based on your diploma score. When you apply through UAC, or any other university admissions centre in Australia, your IBAS will be converted into an ATAR-like value (called the Combined Rank). This will allow you to be compared to applicants with an ATAR.

Go to uac.edu.au/ib to view:

- the IBAS/Combined Rank conversion table
- the IB courses that are equivalent to NSW HSC courses.

The following table shows the ACT courses currently accepted as equivalent to NSW HSC courses that are commonly listed as prerequisites or assumed knowledge.



Scan to view details of the most recent course-comparison information, or go to uac.edu.au/year12-quals.

ACT courses comparable to NSW HSC courses

ACT course	NSW HSC course
Biology/Biological Science/Biological Studies Biology Interstate Conservation Biology (H)/Biodiversity – ANU Human Biology Systems Anatomy and Physiology	Biology
Chemistry/Chemistry (H)	Chemistry
English (Major) Literature	English Advanced
English (Major/Minor)	English Extension 1
English (Major/Major – Double Major)	English Extension 2
Mathematical Applications Mathematics – Interstate	Mathematics Standard 2
Mathematical Methods/Further Mathematics (Major) Specialist Mathematics/Specialist Methods (Major) Mathematics – International	Mathematics Advanced
Mathematical Methods/Further Mathematics (Major/Minor) Specialist Mathematics/Specialist Methods (Major/Minor)	Mathematics Extension 1
Further Mathematics (Double Major) Specialist Mathematics/Specialist Methods (Double Major) Specialist Mathematics – ANU/Discrete Mathematics – ANU/UC	Mathematics Extension 2
Music/Holistic Music/Music Studies/Advanced Music – ANU Music University/Advanced Classical Music – ANU/Advanced Jazz Music – ANU Music Performance	Music 2
Flight/Physics Physics/Astrophysics Physics – ANU Physics – Interstate	Physics
Art Production Ceramics Photography Visual Arts/Art and Design/Graphic Design/Creative Art	Visual Arts

Applying to uni

Every year, around 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, your selection rank is your ATAR, but an institution may increase your selection rank for certain courses in recognition of, for example, your performance in related HSC courses or equity considerations. Therefore, your selection rank may be higher than your ATAR for certain institutions or courses.

Admission criteria

In addition to the ATAR, many institutions specify other admission criteria for certain courses. They might specify HSC course prerequisites for, say, maths-based degrees, or auditions for music-based degrees.

Prerequisites

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

Non-academic criteria

Visual arts courses, for example, may 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.

Assumed knowledge

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

- assumed knowledge
- recommended studies.

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 courses, use this booklet to find out if there are any admission criteria, assumed knowledge or recommended studies for the course you're interested in. Then, when you apply for university at the end of Year 12, you'll be able to meet any entry requirements to the course and have the foundations for success. There is more information about admission criteria on [page 35 to 36](#).

How the lowest selection rank for a course is determined

The lowest selection rank required to be offered a place in a course is determined by three factors:

- 1 the number of places available in the course
- 2 the number of applicants for the course
- 3 the quality of those applicants.

These three factors mean that the lowest selection rank for a course can change from year to year and is not known until applicants are selected for that course each year.

The lowest selection rank does not represent the average ability of the students accepted for the course and does not reflect the difficulty or quality of the course.

Selection rank adjustments

Many applicants receive an offer to a course even though they have an ATAR below the published lowest selection rank. Often this is because other factors have been taken into consideration in combination with their ATAR and their selection rank for that course has been adjusted, making it higher than their ATAR.

These adjustments are due to factors such as:

- strong performance in HSC courses
- living or attending school in a certain area
- recognition of educational disadvantage.

Selection rank adjustments are applied differently from institution to institution and from course to course within the same institution. Visit each institution's website for details.

It's good to understand how your selection rank might be adjusted, but don't be swayed into choosing certain courses based on this knowledge. By the time you apply for university, schemes may have changed and it's more important to focus on doing well.

Educational Access Scheme

Most institutions that participate through UAC have a scheme for applicants who have experienced educational disadvantage (due to circumstances beyond their control or choosing) which has seriously affected their educational performance.

To have your educational disadvantage considered, you can apply for the Educational Access Scheme (EAS) through UAC. If an institution considers you eligible, it may increase your selection rank.

Keep an eye out for uni information evenings – they'll help you navigate your HSC course selection.



Frequently asked questions

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 2 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 subject areas. Mathematics is a subject area; within that subject area there are a number of courses – Mathematics Standard 1, Mathematics Standard 2, Mathematics Advanced, Mathematics Extension 1 and Mathematics Extension 2.

Around 49% of HSC students do only 10 units in Year 12. The next most common pattern is 11 units (around 17%).



Is there anything I need to do if I change schools?

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

Can I drop a course at the end of Year 11?

Yes, but before you drop an HSC course, ask yourself the following questions:

- Will you still be eligible for an ATAR?
- Is it a prerequisite for a university course you might want to study?
- Is it assumed knowledge for a university course you might want to study?

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 descriptions on [UAC's website](#)
- 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.

However, accelerating your studies is no guarantee that you will improve your results.

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

The course will be scaled in the year you complete it and contribute to your ATAR the following year.

How many units of maths can I do?

Up to 4 units of maths can be included in the ATAR calculation. If you study Mathematics Extension 1, it will have a different weighting (in terms of units) depending on whether you take Mathematics Advanced or Mathematics Extension 2.

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

If you 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 you complete Mathematics Advanced and then go on to satisfactorily complete Mathematics Extension 1 and Mathematics Extension 2, your results in Mathematics Advanced will not be included in the ATAR calculation, even if you excel in it.

Will I get a better ATAR if I do a lower level of maths?

Not necessarily. You might have a higher position in a lower level course, but this might be offset by a lower scaled mean for that course, and possibly a lower scaled mark for you.

Choose the level of maths that gives you the best foundation for further study. Also remember that institutions are more likely to adjust your selection rank in recognition of your performance in the higher level maths courses.

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 students taking the course (not the perceived difficulty of the course). Courses such as Mathematics Extension 2 and Physics traditionally scale well because students who take these courses generally perform well in all their courses. The purpose of scaling is to rank students according to their overall achievement. Therefore, to get a high ATAR, students must achieve high HSC marks and high positions in all their courses.

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 NESA – 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.



Your ATAR is a rank (not a mark) based on your **position** compared to other students in the state.

Your HSC mark for each course is based on your **performance** in your exam and assessments.



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 I get a higher ATAR by studying certain courses?

No. Your ATAR indicates your overall position; that is, how well you have performed compared to other students. It is a myth that choosing certain courses increases your ATAR. You can only maximise your ATAR by choosing courses you enjoy and do well in. Students who achieve high ATARs are generally placed near the top in all of their courses.

When is the ATAR released?

ATARs for NSW students are released in December each year via [UAC's website](#).

How do ACT students receive their ATAR?

In the ACT, the ATAR is calculated by the ACT Board of Senior Secondary Studies, in consultation with UAC, and released by ACT schools.

If a uni increases my selection rank, does this mean my ATAR increases?

No. Institutions will only adjust your selection rank for a particular course; your ATAR will not change.

What is meant by the 'lowest selection rank' for a course?

This is the lowest selection rank (combination of ATAR and adjustment factors) required to be offered a place in the course. It is not the lowest ATAR of an applicant who received an offer to the course.

The lowest selection ranks for courses in a particular year are only known after offers are made. Therefore, UAC publishes the previous year's selection ranks as a guide to selection ranks for the coming year.

Does UAC have an ATAR calculator?

Yes. UAC's ATAR Compass will give you an idea of the ATAR you can achieve based on your estimated HSC marks. Go to uac.edu.au/atar-compass.

Note that ATAR Compass is based on the ATAR calculation rules that apply to 2023 and 2024 Year 12 students. These rules take into account the current distinction between Category A and Category B HSC courses. This distinction will not apply when you complete the HSC in 2025.

For a detailed explanation of the ATAR calculation, go to uac.edu.au/atar.

What happens if I repeat a course?

Courses can be repeated over a period of up to five years. You will be considered to be repeating an HSC course if you:

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

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



Step 1: Consider

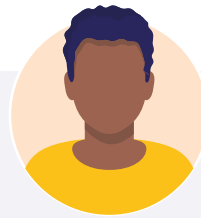
Year 10 is a good time to start thinking about your future – not just what you'd like to do for the next two years, but what you'd like to do beyond that. Are you thinking of further study, getting a job or doing an apprenticeship? The following pages will help you consider your options.

Being unsure of what you want to do next is quite common. You may 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 university 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 courses.

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.



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. He's inspired by sports players and is the captain of his local basketball 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 basketball photos have been published on his club's website.

So far in high school Fred has done well in Geography, History and Commerce 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 Year 11 and Year 12. She also really enjoys History and Art.

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

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.

This could be a person, such as a family member or friend, or someone prominent in public life.

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

- a book, television show, movie or documentary
- a podcast or something you've seen online.

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:

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

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!

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 an 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 25 to 33](#) will help link your interests to possible careers and subject choices.

There are lots of ways to reach your goal, so also think about your Plan B.



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.
- Make an appointment with your school careers adviser, if you have one. You can also book a free 45-minute career guidance session with the School Leavers Information Service, an Australian Government program. Call 1800 227 337.
- 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.
- Use the undergraduate course search on [UAC's website](#), where you only need a keyword, like 'music' or 'chemistry', to search more than 2,000 university or college courses.
- Contact the institutions you're interested in and talk to them about your options. You can start by looking at their websites.

Many universities and colleges have school visit days so you can attend the campus, talk to lecturers and students, and get a feel for what it would be like to study there. Ask your teacher about these days or attend a public open day with your parents or friends. Check the dates and locations at uac.edu.au/open-days.

Brainstorming

Now that you've considered the questions in this section, use the worksheets that follow to organise your ideas and discover the areas of study that would suit you best. This will help you work out the courses that will help you achieve your goals. Fred and Laura did this exercise and the results are shown on the facing [page](#).



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 25 to 33](#) 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 and Sport Sciences

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 also shows which institutions offer these courses.

The most relevant subjects for him to study for the HSC are shown in the fourth column: Biology, Chemistry, English Advanced, Investigating Science, Mathematics Advanced, Personal Development, Health and Physical Education (PDHPE) and Physics.

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.

In addition to English and Mathematics Advanced, he would be wise to include any of Business Studies, Economics, Society and Culture, a language, Business Services Exam, Financial Services Exam, Human Services Exam or Retail Services Exam in his HSC 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 25 to 33](#) shows some options for Laura in the following areas:

Earth and Environmental Sciences

Laura is interested in the environment, nature and animals, and being outdoors. Her skills include being observant and resourceful, and she's good at design, science, 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 also shows which institutions offer these courses.

The fourth column shows that the relevant HSC subjects she could study are Biology, Chemistry, Design and Technology, Earth and Environmental Science, English Advanced, Investigating Science, Mathematics Advanced, Physics and 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 or visual arts.

In addition to English, for her HSC she could study Design and Technology, Software Engineering, Textiles and Design, Visual Arts or Entertainment Industry Exam.

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

Worksheet 1

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

Then turn to the table 'What are my options?' on [pages 25 to 33](#) and match your interests, qualities and skills with those in the left-hand column of the table. These are divided into study 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, problem solving)

Who inspires me? Why?

Who can I talk to?



Step 2: Explore

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



What are my options?

Using the worksheets on [pages 22 to 23](#), the following table will help you map your interests, qualities and skills to careers, areas of university study and HSC courses.

These lists are not meant to be exhaustive; they are only a summary of what's available. A full list of university courses available each year is published on [UAC's website](#).

Key to institution names	
ACAP	Australian College of Applied Professions
ACPE	Australian College of Physical Education
ACU	Australian Catholic University
AIEI	AIE Institute
AIT	Academy of Interactive Technology
ANU	Australian National University
APIC	Asia Pacific International College
CDU	Charles Darwin University
CQU	CQUniversity
CSU	Charles Sturt University
GU	Griffith University
ICMS	International College of Management, Sydney
LTU	La Trobe University
MIT	MIT Sydney
MQ	Macquarie University
NAS	National Art School
SAE	SAE Creative Media Institute
SCU	Southern Cross University
SIBT	Sydney Institute of Business and Technology
TUA	Torrens University Australia
UC	University of Canberra
UON	University of Newcastle
UNDA	University of Notre Dame, Australia
UNE	University of New England
UNSW	UNSW Sydney
UNSW-ADFA	UNSW Canberra at ADFA
UOW	University of Wollongong
USYD	University of Sydney
UTS	University of Technology Sydney
WSU	Western Sydney University

My interests, qualities and skills	Careers that use my interests, qualities and skills	Tertiary courses I could study	HSC courses I could study
Agriculture, Rural Studies and Animal Science			
<p>I'm interested in ... the land, the environment, crop growing, farming, plants, animal health/welfare, horse training</p> <p>I'm ... observant, confident with animals, organised, good with detail, patient</p> <p>... and I'm good at ... making things, planning, problem solving, maths, technical drawing, manual work, working with animals</p>	<p>I could be an ...</p> <ul style="list-style-type: none"> animal handler animal welfare officer conservation manager farmer grazier horticulturist land manager produce manager stud manager/trainer veterinarian winemaker wool classer 	<p>I could study ...</p> <ul style="list-style-type: none"> agribusiness agricultural science animal production science crop production equine science and horse management farm and land management horticulture plant pathology, post-harvest technology regenerative agriculture veterinary science/technology viticulture and wine science wool science zoology 	<p>... and I could choose these HSC courses ...</p> <ul style="list-style-type: none"> Agriculture Biology Chemistry Earth and Environmental Science Geography Investigating Science Mathematics Advanced Physics Primary Industries Exam
<p>Where can I study? ACAP ACPE ACU AIT AIEI APIC ANU CDU CQU CSU GU ICMS LTU MIT MQ NAS SAE SCU SIBT TUA UC UNDA UNE UNSW UNSW-ADFA UON UOW USYD UTS WSU</p>			
Architecture, Building, Design and Planning			
<p>I'm interested in ... how things work, cityscapes, buildings, building design, architecture, gardens, landscapes</p> <p>I'm ... artistic, imaginative, organised, good with detail, creative, orderly, conscientious</p> <p>... and I'm good at ... making things, coming up with original ideas, drawing, designing, solving problems</p>	<p>I could be an ...</p> <ul style="list-style-type: none"> architect building manager construction manager environmental planner estimator industrial designer interior designer landscape architect property valuer surveyor 	<p>I could study ...</p> <ul style="list-style-type: none"> architecture construction economics construction/project management construction technology fashion design industrial design interior design landscape architecture property management quantity surveying 	<p>... and I could choose these HSC courses ...</p> <ul style="list-style-type: none"> Construction Exam Design and Technology Engineering Studies Industrial Technology Mathematics Advanced Physics Visual Arts
<p>Where can I study? ACAP ACPE ACU AIT AIEI APIC ANU CDU CQU CSU GU ICMS LTU MIT MQ NAS SAE SCU SIBT TUA UC UNDA UNE UNSW UNSW-ADFA UON UOW USYD UTS WSU</p>			
Arts and Humanities			
<p>I'm interested in ... current affairs, social issues, politics, world events, languages, writing and literature, religions and cultures, history</p> <p>I'm ... artistic, creative, adventurous, conscientious, efficient, industrious, resourceful, imaginative</p> <p>... and I'm good at ... creative writing, debating, languages, solving problems, thinking critically, using technology</p>	<p>I could be an ...</p> <ul style="list-style-type: none"> analyst anthropologist archaeologist archivist foreign affairs officer gallery curator government policy officer historian journalist language specialist marketing manager media officer producer researcher social researcher translator or interpreter 	<p>I could study ...</p> <ul style="list-style-type: none"> Aboriginal studies archaeology Asian studies cinema studies communications English international studies languages linguistics literature media modern/ancient history philosophy political science psychology publishing religious studies/theology social science sociology women's studies 	<p>... and I could choose these HSC courses ...</p> <ul style="list-style-type: none"> Aboriginal Studies English Advanced Geography History languages Religion Society and Culture Textiles and Design Visual Arts
<p>Where can I study? ACAP ACPE ACU AIT AIEI APIC ANU CDU CQU CSU GU ICMS LTU MIT MQ NAS SAE SCU SIBT TUA UC UNDA UNE UNSW UNSW-ADFA UON UOW USYD UTS WSU</p>			

My interests, qualities and skills	Careers that use my interests, qualities and skills	Tertiary courses I could study	HSC courses I could study
------------------------------------	---	--------------------------------	---------------------------

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
 - marketing specialist
 - project manager
 - stockbroker

- I could study . . .**
- accounting
 - actuarial studies
 - agribusiness
 - banking
 - business
 - e-commerce
 - entrepreneurship
 - financial advising
 - human resource management
 - industrial relations
 - international relations
 - management
 - marketing
 - property economics
 - statistics

- . . . and I could choose these HSC courses . . .**
- Business Services Exam
 - Business Studies
 - Economics
 - English Advanced
 - Financial Services Exam
 - Human Services Exam
 - languages
 - Mathematics Advanced
 - Retail Services Exam
 - Society and Culture

Where can I study?

ACAP	ACPE	ACU	AIT	AIEI	APIC	ANU	CDU	CQU	CSU	GU	ICMS	LTU	MIT	MQ	NAS
SAE	SCU	SIBT	TUA	UC	UNDA	UNE	UNSW	UNSW-ADFA	UON	UOW	USYD	UTS	WSU		

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
 - creative industries
 - film
 - information management
 - journalism
 - linguistics
 - multimedia
 - photography
 - production
 - radio
 - television
 - video
 - writing

- . . . and I could choose these HSC courses . . .**
- English Advanced (or higher)
 - Entertainment Industry Exam
 - History
 - Society and Culture
 - Visual Arts

Where can I study?

ACAP	ACPE	ACU	AIT	AIEI	APIC	ANU	CDU	CQU	CSU	GU	ICMS	LTU	MIT	MQ	NAS
SAE	SCU	SIBT	TUA	UC	UNDA	UNE	UNSW	UNSW-ADFA	UON	UOW	USYD	UTS	WSU		

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, using technical skills, solving problems, using initiative, writing

- I could be an . . .**
- animator
 - artist
 - cartoonist
 - composer
 - fashion designer
 - film director
 - graphic designer
 - illustrator
 - journalist
 - multimedia designer
 - musician
 - photographer
 - producer
 - songwriter
 - teacher
 - writer

- I could study . . .**
- animation
 - creative industries
 - creative writing
 - fashion
 - fine arts
 - graphic design
 - illustration
 - journalism
 - music
 - photography
 - theatre studies
 - visual arts

- . . . and I could choose these HSC courses . . .**
- English Advanced (or higher)
 - Entertainment Industry Exam
 - Dance
 - Design and Technology
 - Drama
 - Music
 - Software Engineering
 - Textiles and Design
 - Visual Arts

Where can I study?

ACAP	ACPE	ACU	AIT	AIEI	APIC	ANU	CDU	CQU	CSU	GU	ICMS	LTU	MIT	MQ	NAS
SAE	SCU	SIBT	TUA	UC	UNDA	UNE	UNSW	UNSW-ADFA	UON	UOW	USYD	UTS	WSU		

My interests, qualities and skills	Careers that use my interests, qualities and skills	Tertiary courses I could study	HSC courses I could study
------------------------------------	---	--------------------------------	---------------------------

Earth and Environmental Sciences

I'm interested in ... being outdoors, the environment, nature, oceans, marine life, volcanoes, weather, waterways, scuba 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 a ...

- conservationist
- environmental officer
- environmental planner
- environmental scientist
- fisheries manager
- food and drug safety officer
- forestry worker
- marine conservation officer
- resource manager
- urban planner

I could study ...

- climate change
- conservation studies
- environmental rehabilitation
- food sustainability
- forestry
- forest science
- geography (human and physical)
- geology
- geophysics
- marine resource and environmental management
- regenerative agriculture
- spatial science
- sustainability

... and I could choose these HSC courses ...

- Biology
- Chemistry
- Design and Technology
- Earth and Environmental Science
- English Advanced
- Investigating Science
- Mathematics Advanced
- Physics
- Society and Culture

Where can I study? ACAP ACPE **ACU** AIT AIEI APIC **ANU** **CDU** **CQU** **CSU** **GU** ICMS LTU MIT **MQ** NAS
SAE **SCU** SIBT TUA **UC** UNDA **UNE** **UNSW** UNSW-ADFA **UON** **UOW** **USYD** **UTS** **WSU**

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 ...

- community educator
- corporate trainer
- early childhood teacher
- primary teacher
- secondary teacher

I could study ...

- adult education
- community education
- early childhood teaching
- human resource development
- outdoor education
- organisational learning
- primary teaching
- secondary teaching (specialising in a curriculum area)

... and I could choose these HSC courses ...

- Biology
- Chemistry
- English Advanced
- Design and Technology
- Geography
- History
- Investigating Science
- languages
- Mathematics Advanced
- Personal Development, Health and Physical Education (PDHPE)
- Physics
- Society and Culture

Where can I study? ACAP **ACPE** **ACU** AIT AIEI APIC ANU **CDU** CQU **CSU** **GU** ICMS **LTU** MIT **MQ** NAS
SAE **SCU** SIBT TUA **UC** **UNDA** **UNE** **UNSW** UNSW-ADFA **UON** **UOW** **USYD** **UTS** **WSU**

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My interests, qualities and skills	Careers that use my interests, qualities and skills	Tertiary courses I could study	HSC courses I could study
------------------------------------	---	--------------------------------	---------------------------

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 ...

- chemical or materials engineer
- civil engineer
- construction manager
- electrical engineer
- industrial engineer
- manufacturer
- mechanical engineer
- medical engineer
- production engineer

I could study ...

- engineering (eg civil, computer, construction, electrical, environmental, mechanical, mechatronic, medical, telecommunications)
- coastal systems
- construction project management
- gaming
- robotics
- science
- surveying

... and I could choose these HSC courses ...

- Automotive Exam
- Chemistry
- Construction Exam
- Electrotechnology Exam
- Engineering Studies
- Information and Digital Technology Exam
- Mathematics Advanced
- Metal and Engineering Exam
- Physics

Where can I study?

ACAP	ACPE	ACU	AIT	AIEI	APIC	ANU	CDU	CQU	CSU	GU	ICMS	LTU	MIT	MQ	NAS
SAE	SCU	SIBT	TUA	UC	UNDA	UNE	UNSW	UNSW-ADFA	UON	UOW	USYD	UTS	WSU		

Health Sciences

I'm interested in ... health, nutrition, food, how the body works, people, science, alternative medicines, helping others

I'm ... compassionate, 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
- audiologist
- beauty therapist
- chiroprapist
- chiropractor
- community health worker
- data scientist
- dentist
- dietitian
- doctor
- medical scientist
- nurse
- nutritionist
- occupational therapist
- oral health therapist
- paramedic
- pedorthist
- pharmacist
- physiotherapist
- planning and policy officer
- podiatrist
- radiographer
- researcher (eg food, health, medical)
- speech therapist
- sonographer

I could study ...

- beauty therapy
- biomedical sciences
- Chinese medicine
- chiropractic science
- clinical science
- cognitive and brain science
- dental science
- digital health and analytics
- global health
- medical imaging
- medical laboratory science
- naturopathy
- nuclear medicine
- nutrition and dietetics
- occupational therapy
- oral health
- osteopathy
- pedorthics
- paramedicine
- physiotherapy
- pharmacology
- podiatry
- radiography
- speech therapy

... and I could choose these HSC courses ...

- Biology
- Chemistry
- Community and Family Studies
- English Advanced
- Food Technology
- Investigating Science
- Mathematics Advanced
- Personal Development, Health and Physical Education (PDHPE)
- Physics

Where can I study?

ACAP	ACPE	ACU	AIT	AIEI	APIC	ANU	CDU	CQU	CSU	GU	ICMS	LTU	MIT	MQ	NAS
SAE	SCU	SIBT	TUA	UC	UNDA	UNE	UNSW	UNSW-ADFA	UON	UOW	USYD	UTS	WSU		

My interests, qualities and skills	Careers that use my interests, qualities and skills	Tertiary courses I could study	HSC courses I could study
Human Movement and Sport Sciences			
<p>I'm interested in ... sport, coaching, fitness and exercise, how the body works, nutrition, biology, health, helping others, being outdoors</p> <p>I'm ... a good communicator, patient, observant, organised, enthusiastic, supportive, persuasive, fit and healthy, confident, outgoing</p> <p>... and I'm good at ... sports, public speaking, leadership, motivating others, fine motor skills, solving problems, teaching others, science</p>	<p>I could be a ...</p> <ul style="list-style-type: none"> disease prevention educator exercise scientist fitness counsellor fitness trainer exercise rehabilitation worker exercise physiologist medical researcher medical scientist occupational therapist personal trainer physiotherapist sport scientist sports coach sports marketer teacher 	<p>I could study ...</p> <ul style="list-style-type: none"> anatomy and physiology exercise physiology exercise science physiotherapy psychology sports coaching sports journalism sports management sports psychology 	<p>... and I could choose these HSC courses ...</p> <ul style="list-style-type: none"> Biology Chemistry English Advanced Investigating Science Mathematics Advanced Personal Development Health and Physical Education (PDHPE) Physics
<p>Where can I study? ACAP ACPE ACU AIT AIEI APIC ANU CDU CQU CSU GU ICMS LTU MIT MQ NAS SAE SCU SIBT TUA UC UNDA UNE UNSW UNSW-ADFA UON UOW USYD UTS WSU</p>			
Information Technology and Information Systems			
<p>I'm interested in ... computers, internet, web technologies, social media, electronics, programming, designing</p> <p>I'm ... organised, orderly, good with detail, persistent, level-headed, happy to work alone</p> <p>... and I'm good at ... computing, using technology, maths, solving problems, thinking logically, thinking creatively, making decisions</p>	<p>I could be a ...</p> <ul style="list-style-type: none"> computer programmer digital media producer game designer graphic designer filmmaker illustrator IT consultant photographer software developer systems analyst visual effects artist web designer 	<p>I could study ...</p> <ul style="list-style-type: none"> computer science computing cyber security data science digital business electronics information systems information technology programming software engineering 	<p>... and I could choose these HSC courses ...</p> <ul style="list-style-type: none"> Business Studies Design and Technology English Advanced Enterprise Computing Information and Digital Technology Exam Mathematics Advanced Software Engineering
<p>Where can I study? ACAP ACPE ACU AIT AIEI APIC ANU CDU CQU CSU GU ICMS LTU MIT MQ NAS SAE SCU SIBT TUA UC UNDA UNE UNSW UNSW-ADFA UON UOW USYD UTS WSU</p>			
Law			
<p>I'm interested in ... research, justice, fairness, equality, current affairs, politics, helping others</p> <p>I'm ... outgoing, organised, observant, open minded, persistent, persuasive</p> <p>... and I'm good at ... debating, public speaking, writing, researching, evaluating information, negotiating, logical thinking</p>	<p>I could be a ...</p> <ul style="list-style-type: none"> barrister judge legal adviser legal officer legal researcher magistrate police officer politician solicitor 	<p>I could study ...</p> <ul style="list-style-type: none"> conveyancing justice studies law legal studies paralegal studies political studies 	<p>... and I could choose these HSC courses ...</p> <ul style="list-style-type: none"> Business Studies Economics English Advanced (or higher) Legal Studies Society and Culture
<p>Where can I study? ACAP ACPE ACU AIT AIEI APIC ANU CDU CQU CSU GU ICMS LTU MIT MQ NAS SAE SCU SIBT TUA UC UNDA UNE UNSW UNSW-ADFA UON UOW USYD UTS WSU</p>			

My interests, qualities and skills	Careers that use my interests, qualities and skills	Tertiary courses I could study	HSC courses I could study
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Medical Sciences and Medicine

<p>I'm interested in ... the environment, health, nutrition, how the body works, people, science, alternative medicines, helping others, research, experimenting</p> <p>I'm ... caring, patient, a good communicator, inventive, curious, organised, good with detail, observant</p> <p>... and I'm good at ... leadership, fine motor skills, time management, making decisions, problem solving, working with others, listening</p>	<p>I could be a ...</p> <ul style="list-style-type: none"> • biochemist • biomedical engineer • chiropractor • doctor • forensic officer • genetic counsellor • laboratory technician • medical engineer • medical researcher • pathologist • pharmacist • radiologist • sonographer 	<p>I could study ...</p> <ul style="list-style-type: none"> • biomedical sciences • forensic science • health sciences • medicine • medical engineering • nanotechnology • optometry • paramedicine • pharmacy • physiotherapy 	<p>... and I could choose these HSC courses ...</p> <ul style="list-style-type: none"> • Biology • Chemistry • Community and Family Services • English Advanced • Investigating Science • Mathematics Advanced • Physics
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Where can I study?

ACAP	ACPE	ACU	AIT	AIEI	APIC	ANU	CDU	CQU	CSU	GU	ICMS	LTU	MIT	MQ	NAS
SAE	SCU	SIBT	TUA	UC	UNDA	UNE	UNSW	UNSW-ADFA	UON	UOW	USYD	UTS	WSU		

Nursing and Midwifery

<p>I'm interested in ... health care, helping others, how the body works, people, science, mothers and babies, childbirth</p> <p>I'm ... compassionate, curious, creative, a good communicator, dependable, observant, good with detail, responsible, tolerant, patient, organised, resourceful</p> <p>... and I'm good at ... using initiative, teamwork, working with others, listening, solving problems, critical thinking, leadership</p>	<p>I could be an ...</p> <ul style="list-style-type: none"> • aged care nurse • community health nurse • critical care nurse • disability care nurse • emergency nurse • health administrator • Indigenous health nurse • intensive care nurse • mental health nurse • midwife • nurse • nurse educator • occupational health nurse • paediatric nurse • pharmaceutical sales rep • social and health policy officer • surgical nurse 	<p>I could study ...</p> <ul style="list-style-type: none"> • aged care • behavioural and social sciences • child and family health • health sciences • Indigenous culture • maternal and child care • mental health • midwifery • nursing (community, high-dependency, perioperative) • palliative care • paediatrics • primary health care • medical/surgical nursing • rehabilitation 	<p>... and I could choose these HSC courses ...</p> <ul style="list-style-type: none"> • Biology • Chemistry • Community and Family Services • English Advanced • Investigating Science • Mathematics Advanced
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Where can I study?

ACAP	ACPE	ACU	AIT	AIEI	APIC	ANU	CDU	CQU	CSU	GU	ICMS	LTU	MIT	MQ	NAS
SAE	SCU*	SIBT	TUA	UC*	UNDA	UNE	UNSW	UNSW-ADFA	UON*	UOW	USYD	UTS*	WSU*		

*midwifery offered

Where might your course take you?

We can help you explore your options.

Start your journey by visiting yourcareer.gov.au

My interests, qualities and skills	Careers that use my interests, qualities and skills	Tertiary courses I could study	HSC courses I could study
Science, Applied Science and Technology			
<p>I'm interested in . . . chemistry, science, the environment, weather patterns, people and communities, marine life, space, astronomy, planes, research, computers, experimenting, animals, nature, farming, psychology, the brain</p> <p>I'm . . . curious, organised, creative, good with detail, observant, resourceful</p> <p>. . . and I'm good at . . . solving problems, critical thinking, leadership, mathematics, logical thinking, chemistry, biology</p>	<p>I could be an . . .</p> <ul style="list-style-type: none"> • agricultural business manager • aviation engineer • conservation biologist • data analyst • data scientist • environmental advocate • field researcher • financial analyst • geologist • laboratory technician • marine biologist • medical advocate • medical marketer • professional services researcher • science educator • sports psychologist • sustainability officer • urban planner • vet • zookeeper 	<p>I could study . . .</p> <ul style="list-style-type: none"> • agricultural science • applied studies • aviation science • biological science • chemistry • cognitive and brain science • environmental science • equine science • food science or technology • forensics • horticulture • forest science • marine science • mathematics • medical science • nanotechnology • neuroscience • physics • psychology • statistics • technology • veterinary science • zoology 	<p>. . . and I could choose these HSC courses . . .</p> <ul style="list-style-type: none"> • Agriculture • Biology • Chemistry • Earth and Environmental Science • English Advanced • Enterprise Computing • Geography • Investigating Science • Mathematics Advanced • Physics
<p>Where can I study?</p> <p>ACAP ACPE ACU AIT AIEI APIC ANU CDU CQU CSU GU ICMS LTU MIT MQ NAS SAE SCU SIBT TUA UC UNDA UNE UNSW UNSW-ADFA UON UOW USYD UTS WSU</p>			




UNDERGRADUATE PROGRAMS

ICMS.EDU.AU

YEAR 10 SUBJECT SELECTION EVENING
16 June 2023

OPEN DAY 2023
6 August 2023

PARENTS INFORMATION EVENING
23 November 2023

<p>Bachelor of BUSINESS <small>UAC COURSE CODE: 530016</small></p> <hr/> <p>Bachelor of Business (SPORTS MANAGEMENT) <small>UAC COURSE CODE: 530121</small></p> <hr/> <p>Bachelor of Business (ENTREPRENEURSHIP) <small>UAC COURSE CODE: 530018</small></p> <hr/> <p>Bachelor of Business (FASHION AND GLOBAL BRAND MANAGEMENT) <small>UAC COURSE CODE: 530019</small></p> <hr/> <p>Bachelor of Business (INTERNATIONAL TOURISM) <small>UAC COURSE CODE: 530061</small></p>	<p>Bachelor of Business (MARKETING) <small>UAC COURSE CODE: 530022</small></p> <hr/> <p>Bachelor of PROPERTY (Development, Investment and Valuation) <small>UAC COURSE CODE: 530080</small></p> <hr/> <p>Bachelor of Business (ACCOUNTING) <small>UAC COURSE CODE: 530004</small></p> <hr/> <p>Bachelor of EVENT MANAGEMENT <small>UAC COURSE CODE: 530021</small></p> <hr/> <p>Bachelor of HOSPITALITY MANAGEMENT <small>UAC COURSE CODE: 530041</small></p>
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International College of Management, Sydney Pty Ltd ACN 003 144 045 ATF The ICTHM Trust ABN 54 174 259 919, trading as International College of Management, Sydney, Aspire Institute, Aspire English, International Sport College of Australia CRICOS Provider Code: 01484M, RTO Code: 90851, TEDSA ID: PRV12025, Provider category: Institute of Higher Education.

My interests, qualities and skills	Careers that use my interests, qualities and skills	Tertiary courses I could study	HSC courses I could study
Social Sciences			
<p>I'm interested in . . . people and communities, world events, current affairs, politics, health, social responsibility, immigration, policing, justice, fairness, working with people, helping others</p> <p>I'm . . . organised, a good communicator, curious, resourceful, fair, helpful</p> <p>. . . and I'm good at . . . critical thinking, making decisions, solving problems</p>	<p>I could be a . . .</p> <ul style="list-style-type: none"> community care officer legal practitioner occupational therapist social worker vocational guidance counsellor welfare support officer welfare worker 	<p>I could study . . .</p> <ul style="list-style-type: none"> behavioural science commerce criminology geography neuroscience policing policy studies psychology social ecology sociology 	<p>. . . and I could choose these HSC courses . . .</p> <ul style="list-style-type: none"> Community and Family Studies Economics English Advanced Geography Legal Studies Mathematics Advanced Modern History Society and Culture
<p>Where can I study? ACAP ACPE ACU AIT AIEI APIC ANU CDU CQU CSU GU ICMS LTU MIT MQ NAS SAE SCU SIBT TUA UC UNDA UNE UNSW UNSW-ADFA UON UOW USYD UTS WSU</p>			
Social Work and Welfare			
<p>I'm interested in . . . people and cultures, health, social responsibility, fairness, helping others</p> <p>I'm . . . organised, caring, a good communicator, curious, resourceful, fair, helpful</p> <p>. . . and I'm good at . . . critical thinking, making decisions, solving problems</p>	<p>I could be an . . .</p> <ul style="list-style-type: none"> aged care worker child protection officer community care officer counsellor disability officer migrant welfare officer social worker welfare support officer welfare worker youth worker 	<p>I could study . . .</p> <ul style="list-style-type: none"> ageing children and young people health and disability Indigenous studies psychology research skills social policy social research social work sociology youth work 	<p>. . . and I could choose these HSC courses . . .</p> <ul style="list-style-type: none"> Community and Family Studies Economics English Advanced Mathematics Advanced Modern History Society and Culture
<p>Where can I study? ACAP ACPE ACU AIT AIEI APIC ANU CDU CQU CSU GU ICMS LTU MIT MQ NAS SAE SCU SIBT TUA UC UNDA UNE UNSW UNSW-ADFA UON UOW USYD UTS WSU</p>			
Tourism, Hospitality and Event Management			
<p>I'm interested in . . . travel, people and cultures, world events, languages, helping others, being outdoors, being active</p> <p>I'm . . . organised, good with detail, a good communicator, confident, patient, persistent, sincere, friendly, flexible, punctual</p> <p>. . . and I'm good at . . . languages, leadership, planning, serving customers, solving problems, working with people from diverse backgrounds</p>	<p>I could be an . . .</p> <ul style="list-style-type: none"> environmental planner event manager hotel manager resort manager restauranteur travel consultant tour operator 	<p>I could study . . .</p> <ul style="list-style-type: none"> event management hotel management leisure studies recreational management and planning sport management tourism management 	<p>. . . and I could choose these HSC courses . . .</p> <ul style="list-style-type: none"> Economics English Advanced Hospitality Exam languages Mathematics Advanced Society and Culture Tourism Tourism, Travel and Events Exam
<p>Where can I study? ACAP ACPE ACU AIT AIEI APIC ANU CDU CQU CSU GU ICMS LTU MIT MQ NAS SAE SCU SIBT TUA UC UNDA UNE UNSW UNSW-ADFA UON UOW USYD UTS WSU</p>			



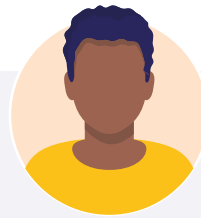
Step 3: Decide

In the previous section you explored how your interests, qualities and skills may lead to certain careers and uni courses. Now it's time to decide on your HSC courses.

HSC subject areas and courses

At this stage, don't focus on the ATAR you need for entry to a specific course 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 subject areas and HSC courses. A subject area is the general name given to an area of study. A course is a branch of study within a subject area. A subject area may have several courses. For example, the **subject area** of English has the **courses** of English as an Additional Language or Dialect, English Studies Exam, English Standard, English Advanced, English Extension 1 and English Extension 2. HSC subject areas and HSC courses are listed in the table on [pages 42 to 43](#).



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 Advanced in common, so Fred's first HSC course choice is Mathematics Advanced. 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 Advanced. 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 the degree areas they're interested in.

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

If you want to study at uni but don't have a particular degree in mind, choose HSC courses that make you eligible for an ATAR but also give you flexibility. For example, if you like both science and history you could pick from the science and history subjects in Years 11 and 12 (eg Biology, Chemistry, Physics, Investigating Science, Ancient History and Modern History). You would then be prepared for further study in either subject. Keep your options open 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, your choice of courses 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 courses that make you eligible for an ATAR.

Admission criteria

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



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, any 2 units of mathematics as assumed knowledge. Luckily, he has chosen Mathematics Advanced.

Laura has checked with the institution in her area about a degree in agriculture. It advises Biology and/or Chemistry as recommended studies with any 2 units of mathematics as assumed knowledge. Laura has chosen both Biology and Mathematics Advanced so she is well prepared if she goes on to study this course.

If you're sure about what you want to study at uni, check 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 admission criteria in different ways because they have different policies.

English Standard and Mathematics Standard 2 are the most popular HSC courses.



Choosing courses

There are many different types of HSC courses, but only Board Developed courses can be included in the calculation of your ATAR. All Board Developed HSC courses are listed in the table on [pages 42 to 43](#).

Courses that can be included in the ATAR calculation

This is a general guide to Board Developed HSC courses accepted by institutions in NSW and the ACT for entrance purposes. Always check with the relevant institution to confirm the information.

English

In NSW, studying English is compulsory and 2 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. If you are considering studying English at university, English Advanced or English Extension 1 is usually recommended.

Agriculture, Biology, Chemistry, Earth and Environmental Science, Engineering Studies, Investigating Science, Physics, Science Extension

If you wish to study a university course based on science – 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 university courses. It is also recommended, along with physics, for all degree courses requiring a study of physics.

Ideally you should select either Mathematics Extension 1 or 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 Advanced (not Mathematics Standard 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.

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

- Mathematics Advanced (2 units) + Mathematics Extension 1 (1 unit)
- Mathematics Extension 1 (2 units) + Mathematics Extension 2 (2 units).

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.

HSC 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 university entrance criteria. At university, 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 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; Enterprise Computing; Food Technology; Legal Studies; Personal Development, Health and Physical Education (PDHPE); Society and Culture; Software Engineering; Studies of Religion; Textiles and Design

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

Vocational courses

Vocational Education and Training (VET) courses can be studied at school or through TAFE NSW or other training providers. Board Developed VET courses (eg Automotive, Construction, Hospitality) can be included in the calculation of your ATAR, but only if you register for and sit the optional examination.

Courses that don't contribute to the ATAR

Board Endorsed courses (eg Photography, Video and Digital Imaging) are developed by schools or universities, rather than NESAs. They do not count towards the calculation of the ATAR but may provide valuable experience and knowledge in a specific subject area.

Life Skills courses, which are studied by students with special education needs, and HSC–University Pathways programs, for high-achieving students, are also not ATAR courses.



Subject and course choice examples

Following are examples of possible subject combinations chosen by students for Years 11 and 12. Remember that you must have at least 2 units of English and you must study at least 12 units in Year 11.

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



Course	Units
Biology	2
Business Studies	2
English Advanced	2
Mathematics Advanced	2
Modern History	2
Visual Arts	2

Fred and Laura will be eligible for an ATAR because they meet all the ATAR eligibility rules (read [page 8](#)). At the end of Year 11, they could drop any course, except English, and still be eligible for an ATAR.



Course	Units
English Advanced	2
Mathematics Advanced	2
Geography	2
Financial Services Exam	2
Hospitality Exam	2
Tourism, Travel and Events Exam	2

Emily's choice of courses meets the ATAR eligibility rules. However, three of her courses, Financial Services, Hospitality, and Tourism, Travel and Events, have optional exams. Emily must ensure she registers for and sits the optional exams in order for these courses to be included in her ATAR calculation. If she doesn't sit the exams she won't be eligible for an ATAR.



Course	Units
English Advanced	2
English Extension 1	1
Mathematics Advanced	2
Mathematics Extension 1	1
Chemistry	2
Biology	2
Ancient History	2



With this combination of courses, Joshua meets the ATAR eligibility requirements. However, if Joshua decides at the end of Year 11 to drop Chemistry and Biology and take on Mathematics Extension 2 and English Extension 2, his new pattern of study will look like this:

Course	ATAR units
English Advanced	2
English Extension 1	1
English Extension 2	1
Mathematics Advanced	0
Mathematics Extension 1	2
Mathematics Extension 2	2
Ancient History	2



Even though Joshua is studying 10 units of Board Developed courses in Year 12, he will not be eligible for an ATAR.

To be eligible for an ATAR you must complete courses from four subject areas. Joshua will have only completed courses from three subject areas: English, Mathematics and Ancient History.








Joshua also needs to be aware that only 4 units of maths can be included in the ATAR calculation. So taking Mathematics Advanced, Mathematics Extension 1 and Mathematics Extension 2 means that 2-unit Mathematics Advanced will not be available for Joshua's ATAR calculation, even if he excels in it.



Top tips for choosing HSC courses

- Make the link between your choices now and where you want to go after Year 12.
- If you want to get an ATAR, make sure you will be eligible. In 2025, NSW Year 12 students must complete at least:
 - 10 units of Board Developed courses
 - 2 units of English
 - three Board Developed courses of 2 units or greater
 - four subjects areas.
- Choose HSC courses that you're good at and interested in, and that will lay a foundation for your future plans. In particular, choose courses that will prepare you well for the areas of university study you're planning to pursue.
- If you're not sure what level maths and English to take, choose the level that suits your ability and future plans, rather than trying to take advantage of how courses are scaled: you will not necessarily get a higher ATAR just by studying a lower level course. And be aware that while unis often increase your selection rank in recognition of your performance in particular HSC courses (usually for Bands 5 and 6), they don't always reward your performance in the lower level courses, no matter how well you do.
- Just about any combination of courses can lead to a good ATAR; it all depends on how well you do in all your courses in comparison to other students. The table below addresses a number of scaling 'myths'.
- Check if the uni you want to go to, or the course you want to do, has prerequisites (these can include a high-level maths or English course) and assumed knowledge. Details are published in Part 2 of this booklet.
- To make good choices about what to study, work to the best of your ability and focus on your goals for life after school.

Scaling myths

Myth	Fact
 <p>Some courses are always 'scaled up', therefore I should study those.</p> <p>-----</p>  <p>Some courses are always 'scaled down', therefore I should avoid those.</p>	 <p>The way a course is scaled depends entirely on the average academic performance of all the students doing that course that year – and it can change from year to year. For most courses, your scaled mark will be lower than your HSC mark. To get the best possible position and maximise your scaled marks, select the courses you'll do best in.</p>
 <p>I need to study 'hard' subjects to get high scaled marks.</p>	 <p>'Hard' is a subjective term. Everyone has different strengths and interests. Students who achieve an ATAR of 99.95 study a large variety of subjects.</p>
 <p>I should study Mathematics Standard 2 rather than Mathematics Advanced to get a better ATAR.</p>	 <p>It's very difficult to predict which course will lead to a higher scaled mark. Your scaled mark depends on the average academic ability of the students studying that course and your position in the course. When considering which maths course to study, remember that some university courses have prerequisites or assumed knowledge of Mathematics Advanced. It's important to choose the level of maths that best suits your plans for further study.</p>

HSC Board Developed courses to be examined in 2025

For further information and updates, visit the NESA website at educationstandards.nsw.edu.au.

Number	Course name	Unit value	Subject area
15000	Aboriginal Studies	2	Aboriginal Studies
15010	Agriculture	2	Agriculture
15020	Ancient History	2	Ancient History
26098	Automotive (Examination) ¹	2	Automotive
15030	Biology	2	Biology
26199	Business Services (Examination) ¹	2	Business Services
15040	Business Studies	2	Business Studies
15050	Chemistry	2	Chemistry
15060	Community and Family Studies	2	Community and Family Studies
26299	Construction (Examination) ¹	2	Construction
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
26399	Electrotechnology (Examination) ¹	2	Electrotechnology
15120	Engineering Studies	2	Engineering Studies
15155	English as an Additional Language or Dialect	2	English
15130	English Standard	2	English
15126	English Studies (Examination) ¹	2	English
15140	English Advanced	2	English
15160	English Extension 1	1	English
15170	English Extension 2	1	English
15175	Enterprise Computing	2	Enterprise Computing
26499	Entertainment Industry (Examination) ¹	2	Entertainment Industry
27299	Financial Services (Examination) ¹	2	Financial Services
15180	Food Technology	2	Food Technology
15190	Geography	2	Geography
15280	History Extension ²	1	Same as corequisite 2-unit history course
26589	Hospitality – Food and Beverage (Examination) ¹	2	Hospitality
26587	Hospitality – Kitchen Operation and Cookery (Examination) ¹	2	Hospitality
27199	Human Services (Examination) ¹	2	Human Services
15200	Industrial Technology	2	Industrial Technology
27398	Information and Digital Technology (Examination) ¹	2	Information and Digital Technology
15215	Investigating Science	2	Investigating Science
15220	Legal Studies	2	Legal Studies
15232	Mathematics Standard 1 (Examination) ³	2	Mathematics
15236	Mathematics Standard 2	2	Mathematics

Number	Course name	Unit value	Subject area
15255	Mathematics Advanced	2	Mathematics
15250	Mathematics Extension 1 ³	1/2	Mathematics
15260	Mathematics Extension 2	2	Mathematics
15270	Modern History	2	Modern History
15290	Music 1	2	Music
15300	Music 2	2	Music
15310	Music Extension ⁴	1	Music
15320	Personal Development, Health and Physical Education	2	Personal Development, Health and Physical Education
26899	Primary Industries (Examination) ¹	2	Primary Industries
15330	Physics	2	Physics
26999	Retail Services (Examination) ¹	2	Retail Services
15345	Science Extension ⁵	1	Same as corequisite 2-unit science course
15350	Society and Culture	2	Society and Culture
15360	Software Engineering	2	Software Engineering
15370	Studies of Religion I ⁶	1	Studies of Religion
15380	Studies of Religion II ⁶	2	Studies of Religion
15390	Textiles and Design	2	Textiles and Design
27499	Tourism, Travel and Events (Examination) ¹	2	Tourism, Travel and Events
15400	Visual Arts	2	Visual Arts

Number	Course name	Unit value	Subject area
Languages			
15510	Arabic Continuers	2	Arabic
15520	Arabic Extension	1	Arabic
15530	Armenian Continuers	2	Armenian
15540	Chinese Beginners	2	Chinese
15550	Chinese Continuers	2	Chinese
15557	Chinese in Context	2	Chinese
15565	Chinese and Literature	2	Chinese
15570	Chinese Extension	1	Chinese
15580	Classical Greek Continuers	2	Classical Greek
15590	Classical Greek Extension	1	Classical Greek
15600	Classical Hebrew Continuers	2	Classical Hebrew
15610	Classical Hebrew Extension	1	Classical Hebrew
15620	Croatian Continuers ⁷	2	Croatian
15640	Dutch Continuers	2	Dutch
15660	Filipino Continuers	2	Filipino
15670	French Beginners	2	French
15680	French Continuers	2	French
15690	French Extension	1	French
15700	German Beginners	2	German
15710	German Continuers	2	German

Number	Course name	Unit value	Subject area
15720	German Extension	1	German
15730	Hindi Continuers	2	Hindi
15740	Hungarian Continuers	2	Hungarian
15750	Indonesian Beginners	2	Indonesian
15760	Indonesian Continuers	2	Indonesian
15780	Indonesian Extension	1	Indonesian
15790	Italian Beginners	2	Italian
15800	Italian Continuers	2	Italian
15810	Italian Extension	1	Italian
15820	Japanese Beginners	2	Japanese
15830	Japanese Continuers	2	Japanese
15837	Japanese in Context	2	Japanese
15850	Japanese Extension	1	Japanese
15860	Khmer Continuers	2	Khmer
15870	Korean Beginners	2	Korean
15880	Korean Continuers	2	Korean
15887	Korean in Context	2	Korean
15895	Korean and Literature	2	Korean
15900	Latin Continuers	2	Latin
15910	Latin Extension	1	Latin
15940	Macedonian Continuers ⁷	2	Macedonian
15970	Modern Greek Beginners	2	Modern Greek
15980	Modern Greek Continuers	2	Modern Greek
15990	Modern Greek Extension	1	Modern Greek
16000	Modern Hebrew Continuers	2	Modern Hebrew
16015	Persian Continuers	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 ⁷	2	Serbian
16070	Spanish Beginners	2	Spanish
16080	Spanish Continuers	2	Spanish
16090	Spanish Extension	1	Spanish
16100	Swedish Continuers	2	Swedish
16110	Tamil Continuers	2	Tamil
16120	Turkish Continuers	2	Turkish
16140	Vietnamese Continuers	2	Vietnamese

Notes

1. An optional HSC written examination is offered to eligible students. Subject to ATAR rules, you must undertake the optional written examination to have the results from this course available for inclusion in the calculation of your ATAR. Check with your school or the NESA website at educationstandards.nsw.edu.au for more information.
2. You can study both Ancient History and Modern History, but there is only one History Extension course. It is considered a course within the subject of either Modern History or Ancient History.
3. The unit value of this course changes depending on whether the course is taken in combination with Mathematics or Mathematics Extension 2. (See [page 37](#)).
4. You must study Music 2 if you wish to study Music Extension.
5. You can study more than one science course but there is only one Science Extension course. It is considered a course within one of the following subject areas: Biology, Chemistry, Earth and Environmental Science, Investigating Science, Physics.
6. You may study either Studies of Religion I or Studies of Religion II, but not both.
7. You may study only one of the following languages: Croatian Continuers, Macedonian Continuers, Serbian Continuers.

Board endorsed courses

NESA endorses a range of other courses offered by schools and VET providers. However, these courses cannot be included in the calculation of your ATAR. For more information, search for 'Board endorsed courses' on the [NESA website](#).



Part 2: Institution criteria

In this section, UAC's participating institutions have listed the courses they plan to offer in 2026.



Under each course listed on the following pages, institutions have provided, where relevant, details of the following:

- areas of study within the course
- additional selection criteria
- prerequisites
- assumed knowledge
- recommended studies.

If these details are not provided under the course heading, there is no specific information you need to keep in mind when choosing your HSC courses.

Note that if an institution requires you to have studied a specific course in your HSC, the full name of the course is stated (eg Mathematics Extension 1). Refer to [pages 42 to 43](#) 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, but you can assume they will accept extension courses and courses in the same subject area that challenge higher order thinking. For example, if institutions accept Mathematics Advanced they also accept Mathematics Extension 1 or Mathematics Extension 2, but not Mathematics Standard 2.

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

Prerequisites

Prerequisites are HSC courses (or equivalent) you must have studied in order to be considered for admission to certain university courses. There are course prerequisites and subject prerequisites. There are also a small number of courses that require applicants to have completed post-Year 12 studies (eg a Diploma of Nursing).

Course prerequisites

Some university courses require you to have successfully completed, or achieved a specified result in, an HSC course or equivalent before you'll be offered a place in the course. If you do not have the required course prerequisites, you cannot be selected for the course even though you may have met the other admission criteria.

Not all institutions have course prerequisites. Of those that do, some specify a performance band you must have achieved in your HSC course.

Subject prerequisites

Some subjects in a university course require you to 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 criteria for the course, you can still be selected for the course, but you may be unable to take the particular subject within the course.

Contact the relevant institution for details of any specified levels of achievement that are required and bridging or introductory courses that can help you achieve the required standard.

Additional selection criteria

Some courses have additional, non-ATAR 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 University Clinical Aptitude Test (UCAT).

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 can still be selected for the course but you may have 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 courses that the institutions suggest will help you in your chosen university course. If you have not studied these HSC courses, your chances of selection are not affected.

Get in touch

tel: Sydney: (+61 2) 9211 8399
Melbourne: (+61 3) 9005 2328
email: info@ait.edu.au
website: ait.edu.au

In person

Sydney campus

Academy of Interactive Technology
Level 2, 7 Kelly Street
Ultimo NSW 2007

Melbourne campus

Academy of Interactive Technology
Level 13, 120 Spencer Street
Melbourne VIC 3000



Scan for general information about AIT, including admission criteria, or go to uac.edu.au/ait.

Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations within the course.

2D Animation

2D Animation (Dip)

Areas of study: 2D animation mechanics, 2D rigging, animation fx, animation layout, concept design, creative drawing lab, culture and creativity, emerging insights, motion design, professional freelancing, screen evolution, screenwriting, sound design, visual storytelling.

For Dip: 2D animation mechanics, concept design, creative drawing lab, performance animation lab, screen evolution, screenwriting, visual storytelling.

Recommended studies: Design and Technology, Visual Art.

3D Animation

3D Animation (Dip)

Areas of study: 3D animation mechanics, 3D asset development, 3D character lab, 3D rigging, culture and creativity, emerging insights, professional freelancing, screen evolution, screenwriting, sound design, technical art, vfx for film, virtual production lab, visual storytelling.

For Dip: 3D animation mechanics, 3D character lab, 3D rigging, screen evolution, visual storytelling.

Recommended studies: Design and Technology, Visual Art.

Film

Film (Dip)

Areas of study: 3D assets for film, cinematography, commercial film lab, culture and creativity, documentary lab, emerging insights, film mechanics lab, film production, image design, motion graphics, professional freelancing, screen evolution, screenwriting, sound design, vfx for film, virtual production lab, visual storytelling.



Image credit: AIT student, Martin Hornak

For Dip: Cinematography, documentary lab, film mechanics lab, image design, screen evolution, screenwriting, visual storytelling.

Recommended studies: Design and Technology, Visual Art, Drama.

Game Design

Game Design (Dip)

Areas of study: 3D animation mechanics, 3D asset development, 3D character lab, 3D rigging, cinematic animation lab, console game development, culture and creativity, emerging insights, game design mechanics, game development lab, game scripting, level design, multiplayer game development, professional freelancing, technical art, virtual production lab.

For Dip: 3D animation mechanics, 3D character lab, 3D rigging, game design mechanics, game development lab, game scripting, level design.

Recommended studies: Design and Technology, Visual Art.

Information Technology (Dip)

Areas of study: Android, C++ programming, cross platform apps, database, digital, information systems, iOS, Java, mobile app design, software engineering, web design.

Recommended studies: Enterprise Computing, Mathematics Standard 2, Software Engineering.

Information Technology (Games Programming)

Areas of study: Game developer, game engineer, games programmer, graphics & VR programmer, game designer, AI programmer, level designer.

Recommended studies: Enterprise Computing, Mathematics Standard 2, Software Engineering.

Information Technology (Mobile Application Development)

Areas of study: C++ programming, database, information systems, java, mobile app design, software engineering, web design, iOS, android, cross platform apps, digital project management, UX/UI design.

Recommended studies: Enterprise Computing, Mathematics Standard 2, Software Engineering.



CRICOS provider number: 03986F
TEQSA provider ID: PRV14333

Get in touch

tel: 1300 972 622
email: admissions@aieinstitute.edu.au
website: aieinstitute.edu.au

In person

Sydney campus

Level 1, 33 Mountain Street
Ultimo NSW 2007

Canberra campus

Block E, Canberra Technology Park
49 Phillip Avenue
Watson ACT 2602



Scan for general information about AIEI, including admission criteria, or go to uac.edu.au/aiei.

Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations/majors within the course.

Game Development

Game Art

Areas of study: 3D modelling and texturing for game environments, character animation, character pipeline, digital lighting and visual effects, entrepreneurship and commercialisation in games, game art, game design fundamentals, game studies for wellbeing, graphic design principles, graphical user interface design, level design, major game development projects, modular level design for game environment, principles of animation, studio internship user experience design, virtual and augmented reality technologies.

Assumed knowledge: Any 2 units of English.

Recommended studies: English Standard, Visual Arts, Visual Design, Design and Technology.

Additional selection criteria: Interview and portfolio may be required.

Game Design

Areas of study: Critical game studies, entrepreneurship and commercialisation in games, game design, game studies for wellbeing, graphic design principles, introduction to game art, introduction to game programming, interactive narrative design, human-computer interaction and user experience design, level design theory, major game development projects, modular level design for game environments, quality assurance and game play testing, studio internship, system design principles.

Assumed knowledge: Any 2 units of English.

Recommended studies: English Advanced, Design and Technology, Drama, Society and Culture.

Additional selection criteria: Interview and portfolio may be required.



Game Programming

Areas of study: Advanced programming techniques for games, algorithms and data structures, artificial intelligence for games, computer graphics using shaders, game programming, game studies for wellbeing, introduction to computer graphics, introduction to object oriented programming and c++, maths for games, human-computer interaction and user experience design, major game development projects, network programming for connected games, physics engineering for games, software engineering, studio internship, systems programming and cross-platform development, virtual and augmented reality technologies.

Assumed knowledge: Any 2 units of English.

Recommended studies: English Standard, Mathematics Standard 2, Enterprise Computing and/or Software Engineering.

Additional selection criteria: Interview and portfolio may be required.

CRICOS provider number: 03048D
TEQSA provider ID: PRV12007

Get in touch

tel: 1300 870 962
email: info@apic.edu.au
website: apicollege.edu.au

In person

Sydney campus (Parramatta)
Asia Pacific International College
Level 6, 1–3 Fitzwilliam Street
Parramatta NSW 2150

Melbourne campus
Asia Pacific International College
Level 6, 399 Lonsdale Street
Melbourne VIC 3000

Brisbane campus
Asia Pacific International College
Level 2, 269 Wickham Street
Brisbane QLD 4006



Scan for general information
about APIC, including admission
criteria, or go to uac.edu.au/apic.

*Main headings indicate courses generally offered as bachelor degrees unless
Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are
specialisations/majors within the course.*

Business

Business (Dip)

Areas of study: Accounting, business, communications, financial management, human resources and organisational development, leadership, project management.

Assumed knowledge: Any 2 units of English.

Recommended studies: Business Studies, Marketing or Economics.

Business Information Systems

Business Information Systems (Dip)

Areas of study: Business communications, data and networking, information systems, leadership, project management and planning.

Assumed knowledge: Any 2 units of English, any 2 units of mathematics.

Recommended studies: Mathematics Advanced or Mathematics Standard 2.



Information Technology

Areas of study: Cyber security, data and information management, information systems, information technology, networking, programming, project management, systems analysis and design.

Assumed knowledge: Any 2 units of English, any 2 units of mathematics.

Recommended studies: Mathematics Advanced or Mathematics Standard 2.

Get in touch

AskACU Centre
Australian Catholic University
Locked Bag 2002
Strathfield NSW 2135

tel: 1300 ASK ACU (1300 275 228)
email: futurestudents@acu.edu.au
website: acu.edu.au

In person

Strathfield campus (Mt St Mary)
Student Centre, 25A Barker Road
Strathfield NSW 2135

Blacktown campus

Student Centre, 22 Main Street
Blacktown NSW 2148

North Sydney campus (MacKillop)

Student Centre, 8–20 Napier Street
North Sydney NSW 2060

Canberra campus (Signadou)

Student Centre, 223 Antill Street
Watson ACT 2602



Scan for general information about ACU, including admission criteria, or go to uac.edu.au/acu.



Read this first

- When you read 'any 2 units of science' this can include Biology, Chemistry, Physics, Earth and Environmental Science or Investigating Science.
- Where a course is offered at the Canberra campus, both the NSW and ACT subject requirements are listed

Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations within the course.

Accounting and Finance

Areas of study: Accounting information systems, auditing, corporate accounting, entrepreneurial finance, financial accounting, financial instruments, financial risk management, management accounting, portfolio management, principles of finance, strategic management accounting.

Course prerequisites: Any 2 units of English.

Arts

Areas of study: Archaeology, business studies, communications, creative writing, design and technologies, digital technologies (computing), drama, English, environment and society, geography, graphic design, history, mathematics, music (Blacktown), philosophy,



politics and international relations, psychology, sociology, study of religions, theological studies, visual arts, youth work (Blacktown).

Assumed knowledge: Any 2 units of English. **For study in mathematics:** Mathematics Advanced.

Biomedical Science

Areas of study: Biomedical sciences.

Course prerequisites: Any 2 units of English, any 2 units of mathematics.

Biomedical Science (Dip)

Areas of study: Biomedical sciences.

Business Administration

Areas of study: Business law, economics, human resource management, international business, managing entrepreneurship and innovation, managing organisational change, marketing, organisational behaviour, strategic management.

Course prerequisites: Any 2 units of English.

Business (Dip)

Areas of study: Business law, economics, human resource management, international business, managing entrepreneurship and innovation, managing organisational change, marketing, organisational behaviour, strategic management.

Business/Commerce and Management

Areas of study: Accounting; business law; entrepreneurship; event management; finance; human resource management; Indigenous business studies; international business; management; marketing; occupational health, safety and environmental management.

Course prerequisites: Any 2 units of English.

Criminology/Criminal Justice

Areas of study: Corrections law, criminal justice, criminology, cyber security, forensic law, juvenile justice, policing.

Course prerequisites: Any 2 units of English.

Criminology (Dip)

Areas of study: Criminology.

Course prerequisites: Any 2 units of English.

Education

Early Childhood Education (Birth to Five Years)

Canberra

Assumed knowledge: Major in English (T), major in Mathematics (T).

Strathfield/North Sydney

Assumed knowledge: Any 2 units of English, any 2 units of mathematics.

Education (Early Childhood and Primary)

Strathfield/North Sydney/Blacktown

Assumed knowledge: A minimum of three Band 5 HSC results, including one in English, and any 2 units of mathematics (Band 4).

Canberra

Assumed knowledge: Studies in English (T) and Mathematics (T)

Education (Primary)

Strathfield/North Sydney/Blacktown

Assumed knowledge: A minimum of three Band 5 HSC results, including one in English, and any 2 units of mathematics (Band 4).

Canberra

Assumed knowledge: Studies in English (T) and Mathematics (T).

Education (Primary and Special Education)

Strathfield/North Sydney

Assumed knowledge: A minimum of three Band 5 HSC results, including one in English, and any 2 units of mathematics (Band 4).

Canberra

Assumed knowledge: Studies in English (T) and Mathematics (T).

Education (Primary and Secondary)

Strathfield/North Sydney

Assumed knowledge: A minimum of three Band 5 HSC results, including one in English, and any 2 units of mathematics (Band 4).

For mathematics major or minor: Mathematics Advanced or Mathematics Extension 1 or 2.

Canberra

Assumed knowledge: Studies in English (T) and Mathematics (T).

Education (Secondary)

Strathfield/North Sydney

Assumed knowledge: A minimum of three Band 5 HSC results, including one in English, and any 2 units of mathematics (Band 4).

For mathematics major or minor: Mathematics Advanced or Mathematics Extension 1 or 2.

Canberra

Assumed knowledge: Studies in English (T) and Mathematics (T).

Education (Secondary and Special Education)

Strathfield/North Sydney

Assumed knowledge: A minimum of three Band 5 HSC results, including one in English. **For mathematics major or minor:**

Mathematics Advanced or Mathematics Extension 1 or 2.

Canberra

Assumed knowledge: Studies in English (T) and Mathematics (T).

Education (Secondary) – Exercise Science

Strathfield

Areas of study: Business studies, computing, drama, economics, English, exercise science, geography, mathematics, modern history, sociology, study of religions, visual arts.

Assumed knowledge: A minimum of three Band 5 HSC results, including one in English, and any 2 units of mathematics (Band 4).

For mathematics major or minor: Mathematics Advanced or Mathematics Extension 1 or 2.

Recommended studies: Personal Development, Health and Physical Education (PDHPE); plus one of Biology, Chemistry or Physics.

Education (Secondary) – Humanities

Strathfield/North Sydney

Areas of study: Business studies, drama, economics, English, history, mathematics, philosophy, politics and international relations, psychology, sociology, study of religions, technology, theological studies, visual arts.

Assumed knowledge: A minimum of three Band 5 HSC results, including one in English, and any 2 units of mathematics (Band 4).

For mathematics major or minor: Mathematics Advanced or Mathematics Extension 1 or 2.

Education (Secondary) – Mathematics

Strathfield/North Sydney

Areas of study: Computing, drama, economics, English, geography, mathematics, modern history, sociology, study of religions, visual arts.

Assumed knowledge: A minimum of three Band 5 HSC results, including one in English, and any 2 units of mathematics (Band 4).

For mathematics major or minor: Mathematics Advanced or Mathematics Extension 1 or 2.

Education (Secondary) – Design Innovation and Technologies

Strathfield

Areas of study: Computing, technology (design and technology (common), food technology, industrial technology, textiles and design).

Assumed knowledge: A minimum of three Band 5 HSC results, including one in English.

Education (Secondary) – Visual Arts

Strathfield/North Sydney

Areas of study: Business studies, computing, drama, economics, English, geography, history, mathematics, modern history, sociology, study of religions, visual arts.

Assumed knowledge: A minimum of three Band 5 HSC results, including one in English, and any 2 units of mathematics.

For mathematics major or minor: Mathematics Advanced or Mathematics Extension 1 or 2.

Exercise and Sports Science

Exercise Science*

Areas of study: Exercise, sports science.

Recommended studies: Any 2 units of English, any 2 units of 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 degrees' at the end of the ACU entry.*

Exercise Science (Dip)

Areas of study: Exercise, sports science.

Global Studies*

** Only available as a combined degree option – refer to 'Combined degrees' at the end of the ACU entry.*

High Performance Sport

Areas of study: Coaching, exercise, sports science.

Course prerequisites: Any 2 units of English.

Recommended studies: Personal Development, Health and Physical Education (PDHPE), any 2 units of mathematics, plus one of Biology, Chemistry or Physics.

Information Technology

Areas of study: Application development, artificial intelligence, cyber security, data science and analytics, information technology, programming.

Information Technology (Dip)

Areas of study: Cyber security, data science and analytics, information technology, programming.

Laws

Course prerequisites: Any 2 units of English.

Midwifery

Areas of study: Midwifery.

Nursing

Areas of study: Nursing.

Nutrition Science

Areas of study: Nutrition.

Course prerequisites: Any 2 units of English.

Nutrition Science (Dip)

Areas of study: Nutrition.

Occupational Therapy

Areas of study: Occupational therapy.

Course prerequisites: Any 2 units of English plus at least one of Biology, Chemistry or Physics.

Philosophy

Areas of study: Philosophy.

Physiotherapy

Areas of study: Physiotherapy.

Course prerequisites: Any 2 units of English plus at least one of Biology, Chemistry or Physics.

Psychological Science

Areas of study: Psychology.

Course prerequisites: Any 2 units of English.

Psychology (Honours)

Areas of study: Psychology.

Course prerequisites: Any 2 units of English.

Social Work

Areas of study: Human rights, social and behavioural sciences, social policy, social work.

Course prerequisites: **ACT:** English (T) (Major) **NSW:** Any 2 units of English.

Speech Pathology

Areas of study: Speech pathology.

Course prerequisites: Any 2 units of English plus at least one of Biology, Chemistry or Physics.

Theology

Areas of study: Ancient languages, biblical studies, church history, constructive theology, liturgy and sacraments, moral theology, philosophy and liberal arts, practical theology and ministry, study of religions, systematic theology and Christian thought.

Visual Arts and Design

Areas of study: 3D/4D object design, art and design history and theory, drawing, graphic design, painting photography, printmaking, sculpture plus areas of study within Arts (business studies, communication, computing, drama, economics, education studies, geography, history, literature, mathematics, philosophy, politics and international relations, psychology, sociology, study of religions, theological studies, visual arts).

Assumed knowledge: Any 2 units of English (Band 3).

Recommended studies: Visual Arts.

Youth Work

Areas of study: Humanities and social sciences, sociology, youth work, youth work and community development.

Course prerequisites: Any 2 units of English (Band 3).

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.

- | | |
|--|---|
| ■ Arts/Commerce | ■ Nursing/Paramedicine |
| ■ Biomedical Science/
Business Administration | ■ Nutrition Science/
Business Administration |
| ■ Commerce/Business
Administration | ■ Psychological Science/
Arts |
| ■ Exercise and Sports
Science/Nutrition Science | ■ Psychological Science/
Commerce |
| ■ Exercise Science/Business
Administration | ■ Psychological Science/
Criminology and Criminal
Justice |
| ■ Human Rights/
Criminology and Criminal
Justice | ■ Psychological Science/
Exercise and Sports
Science |
| ■ Information Technology/
Business Administration | ■ Psychological Science/
Nutrition Science |
| ■ Nursing/Business
Administration | ■ Theology/Philosophy. |

Global Studies

- | | |
|--|----------------------------|
| ■ Arts/Global Studies | ■ Commerce/Global Studies |
| ■ Business Administration/
Global Studies | ■ Laws/Global Studies |
| | ■ Theology/Global Studies. |

Course prerequisites: Refer to the relevant entry for the other area of study.

Laws

- | | |
|--|----------------------------------|
| ■ Arts/Laws | ■ Human Rights/Laws |
| ■ Business Administration/
Laws | ■ Laws/Global Studies |
| ■ Biomedical Science/Laws | ■ Philosophy/Laws |
| ■ Criminology and Criminal
Justice/Laws | ■ Psychological Science/
Laws |
| ■ Commerce/Laws | ■ Theology/Laws. |

Course prerequisites: Refer to the relevant entry for the other area of study.

CRICOS provider number: 01328A
TEQSA provider ID: PRV12009
RTO code: 0500

Get in touch

Australian College of Applied Professions
Locked Bag 11
Strawberry Hills NSW 2012
tel: 1800 039 139
email: connect@acap.edu.au
website: acap.edu.au

In person

Level 11, 255 Elizabeth Street
Sydney NSW 2000



Scan for general information
about ACAP, including admission
criteria, or go to uac.edu.au/acap.

Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations within the course.

Community Services/Case Management (Dip)

Areas of study: Assessment and analysis, child protection framework, community case management facilitation, mental health.

Recommended studies: Any 2 units of English.

Counselling

Areas of study: Addictive behaviours counselling, counselling and neuroscience, crisis counselling, mental health and wellness, positive psychology.

Recommended studies: Any 2 units of English.

Psychological Science

Areas of study: Intercultural diversity and Indigenous psychology, learning and memory, perception and cognition, psychopathology, research methods, social psychology, statistics.

Recommended studies: Mathematics Advanced, any 2 units of English.

Social Work

Areas of study: Contemporary society; government, public policy and civil society; human services, psychology.

Recommended studies: Any 2 units of English.



CRICOS provider number: 01822J
TEQSA provider ID: PRV12066

Get in touch

Australian College of Physical Education
10 Parkview Drive
Sydney Olympic Park NSW 2027
tel: 1300 302 867
email: newstudents@acpe.edu.au
website: acpe.edu.au



Scan for general information about ACPE, including admission criteria, or go to uac.edu.au/acpe.

Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations within the course.

Dance

Additional selection criteria: Attending a dance workshop or completed Dance in HSC or interstate exam.

Dance Education

Areas of study: Dance, health education, curriculum and pedagogy.
Course prerequisites: Three Band 5s or higher, including English.
Recommended studies: Dance, Personal Development, Health and Physical Education (PDHPE).

Dance Practice

Areas of study: Dance business, dance and community, dance performance, health.
Course prerequisites: Any 2 units of English.
Recommended studies: Dance.

Health Science (Dance)

Areas of study: Dance, dance performance, health science.
Course prerequisites: Any 2 units of English.
Recommended studies: Dance, Personal Development, Health and Physical Education (PDHPE), any 2 units of mathematics, Biology, Chemistry or Physics.

Education – Physical and Health Education

Areas of study: Health movement, curriculum and pedagogy.
Course prerequisites: Three Band 5s or higher, including English.
Recommended studies: Personal Development, Health and Physical Education (PDHPE).

Football

Areas of study: Sports coaching, sports management.
Course prerequisites: Any 2 units of English.
Recommended studies: Personal Development, Health and Physical Education (PDHPE).

Health Promotion

Areas of study: Health promotion, PDHPE, sport.
Course prerequisites: Any 2 units of English.



Recommended studies: Personal Development, Health and Physical Education (PDHPE).

Health Science

Course prerequisites: Any 2 units of English.
Recommended studies: Personal Development, Health and Physical Education (PDHPE), any 2 units of mathematics, Biology, Chemistry or Physics.

Exercise

Areas of study: Allied health, anatomy, exercise prescription, exercise science, motor learning, physiology.

Fitness

Areas of study: Anatomy, exercise science, fitness, health, principles and programming, strength and conditioning.
Course prerequisites: Any 2 units of English.

Physical Activity for Health (Pathway to Education)

Areas of study: Health science, PDHPE, physical activity, sport.
Course prerequisites: Any 2 units of English.
Recommended studies: Personal Development, Health and Physical Education (PDHPE).

Sport Business (Leadership)

Areas of study: Event and project management, leadership and governance, sports analytics, sports law and integrity.
Course prerequisites: Any 2 units of English.

Sport Coaching

Course prerequisites: Any 2 units of English.
Recommended studies: Personal Development, Health and Physical Education (PDHPE).

Strength and Conditioning

Areas of study: Anatomy, exercise physiology, human movement, performance analysis, sports coaching, sports psychology.

Management

Areas of study: Anatomy, exercise physiology, human movement, performance analysis, sport administration, sport coaching, sport psychology.



Get in touch

Domestic Admissions Office
The Australian National University
Di Riddell Student Centre
154 University Avenue
Canberra ACT 2600

Future Students Experience Team

tel: 1800 620 032
email: anu.edu.au/contact-anu/future-student-enquiry
website: anu.edu.au



Scan for general information about ANU, including admission criteria, or go to uac.edu.au/anu.



Read this first

In addition to meeting the academic requirements for your preferred course, applicants to ANU will be required to meet the co-curricular or service requirement.

The skills and knowledge you gain outside of the classroom are invaluable and lead to better graduate outcomes. During your application to ANU you'll provide information on the co-curricular or service activities you have completed during Years 10, 11 or 12.

To learn more about these requirements, visit: anu.edu.au/study/apply.

Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations within the course.

Accounting

Areas of study: Accounting.

Assumed knowledge: **ACT:** Mathematical Methods (Major)/Further Mathematics (Major)/Specialist Mathematics (Major)/Specialist Methods (Major)/Mathematics – International. **NSW:** Mathematics Advanced.

Actuarial Studies

Areas of study: Accounting, actuarial studies, economics, finance, statistics.

Course prerequisites: **ACT:** Specialist Mathematics (Major/Minor) (160+)/Specialist Methods (Major/Minor) (160+)/Mathematical Methods (Major/Minor) (160+)/Further Mathematics (Major/Minor) (160+). **NSW:** Mathematics Extension 1 (Band E3).

Recommended studies: **ACT:** Specialist Mathematics Specialist Methods (Double Major)/Further Mathematics (Double Major)/Specialist Mathematics – ANU/Discrete Mathematics – ANU/UC. **NSW:** Mathematics Extension 2.



Advanced Computing

Areas of study: Artificial intelligence, computer science, cyber security, data management and analysis, intelligent systems, machine learning, networking, programming, software systems, systems and architecture, theoretical computer science.

Course prerequisites: **ACT:** Mathematical Methods (Major)/Further Mathematics (Major)/Specialist Mathematics (Major)/Specialist Methods (Major)/(Major)/Mathematics – International.

NSW: Mathematics Advanced.

Recommended studies: **ACT:** Specialist Mathematics (Major/Minor)/Specialist Methods (Major/Minor)/Mathematical Methods (Major/Minor)/Further Mathematics (Major/Minor).

NSW: Mathematics Extension 1.

Advanced Computing (Research and Development)

Areas of study: Artificial intelligence, computer science, R&D, cyber security, data management and analysis, machine learning, networking, programming, software systems, systems and architecture, theoretical computer science.

Course prerequisites: **ACT:** Specialist Mathematics (Major/Minor)/Specialist Methods (Major/Minor)/Mathematical Methods (Major/Minor)/Further Mathematics (Major/Minor). **NSW:** Mathematics Extension 1.

Recommended studies: **ACT:** Specialist Mathematics/Specialist Methods (Double Major)/Further Mathematics (Double Major)/Specialist Mathematics – ANU/Discrete Mathematics – ANU/UC. **NSW:** Mathematics Extension 2.

Applied Data Analytics

Areas of study: Computation, computing, data analytics, data science, policy, programming, social science, sociology, statistics.

Assumed knowledge: **ACT:** Mathematical Methods (Major)/Further Mathematics (Major)/Specialist Mathematics (Major)/Specialist Methods (Major)/Mathematics – International. **NSW:** Mathematics Advanced.

Arts

Art History and Curatorship

Criminology

International Relations

Languages

Middle Eastern and Central Asian Studies

Political Science

Public Policy

Areas of study: Ancient Greek; ancient history; anthropology; Arabic; archaeology; art history and theory; Asian history; Asian studies; Asia-and-Pacific culture; Australian Indigenous studies; biological anthropology; Chinese language; Chinese studies; contemporary Europe; criminology; demography; development studies; digital humanities; economic studies; English; environmental studies; French language and culture; gender, sexuality and culture; geography; German language and culture; global security; Hindi language; history; human evolutionary biology; human rights; India studies; Indonesian language; Indonesian studies; international communications; international relations; Italian language and culture; Japanese language; Japanese linguists; Japanese studies; Korean language; Korean studies; Latin; linguistics; mathematics; media and gender; Middle Eastern and Central Asian studies; music; music technology; Northeast Asia studies; Pacific studies; peace and conflict studies; Persian; philosophy; political science; psychology; Sanskrit language; sociology; Southeast Asian studies; Spanish; technology, networks and society; Thai language; Vietnamese language; war studies.

Politics, Philosophy and Economics

Areas of study: Economics, philosophy, political science.

Assumed knowledge: **ACT:** Mathematical Methods (Major)/Further Mathematics (Major)/Specialist Mathematics (Major)/Specialist Methods (Major)/Mathematics – International. **NSW:** Mathematics Advanced.

Asia-Pacific Affairs

Areas of study: Asian culture, Asian politics, Asian studies, diplomacy, international relations, Japanese, Pacific studies, peace and conflict, security studies.

Asian Studies

Areas of study: Anthropology; Arabic; archaeology; Asian and Pacific culture, media and gender; Asian and Pacific linguistics; Asian history; Asia-Pacific politics; Asia-Pacific security studies; Burmese language; Chinese language; Chinese studies; French language and culture; Hindi language; historical international security; India studies; Indonesian language; Indonesian studies; Japanese language; Japanese linguistics; Japanese studies; Korean language; Korean studies; Mongolian language; Northeast Asian studies; Pacific studies; peace and conflict studies; Sanskrit language; South Asian studies; Southeast Asian studies; Spanish language; Tetum language; Thai language; Vietnamese language.

Biotechnology

Areas of study: Biotechnology.

Course prerequisites: **ACT:** Chemistry (Major). **NSW:** Chemistry.

Business Administration

Areas of study: Business, international business, leadership, management, marketing.

Commerce

Areas of study: Accounting, business information systems, corporate sustainability, economic studies, finance, international business, management, marketing.

Assumed knowledge: **ACT:** Mathematical Methods (Major)/Further Mathematics (Major)/Specialist Mathematics (Major)/Specialist Methods (Major)/Mathematics – International. **NSW:** Mathematics Advanced.

Computing

Areas of study: Algorithms and data, computer science, computer systems, information technology, intelligent systems, IT in new media, software development.

Course prerequisites: **ACT:** Mathematical Methods (Major)/Further Mathematics (Major)/Specialist Mathematics (Major)/Specialist Methods (Major)/Mathematics – International. **NSW:** Mathematics Advanced.

Design

Areas of study: Animation, ceramics, creative code, data visualisation, design, front-end web design, glass, gold and silversmithing, graphic design, photography, printmaking, product design, textiles, user-experience design, video, visual communication.

Additional selection criteria: Interview, portfolio.

Economics

Areas of study: Econometrics and statistics, economic history, economics.

Assumed knowledge: **ACT:** Mathematical Methods (Major)/Further Mathematics (Major)/Specialist Mathematics (Major)/Specialist Methods (Major)/Mathematics – International. **NSW:** Mathematics Advanced.

Engineering (Honours)

Areas of study: Electronic and communication systems, engineering design, environmental systems, humanitarian engineering, mechatronic systems, renewable energy systems, systems design.

Course prerequisites: **ACT:** Mathematical Methods (Major)/Further Mathematics (Major)/Specialist Mathematics (Major)/Specialist Methods (Major)/Mathematics – International. **NSW:** Mathematics Advanced.

Assumed knowledge: **ACT:** Physics (Major) **NSW:** Physics.

Recommended studies: **ACT:** Specialist Mathematics (Major/Minor)/Specialist Methods (Major/Minor)/Mathematical Methods (Major/Minor)/Further Mathematics (Major/Minor). **NSW:** Mathematics Extension 1.

Engineering (Research and Development)

Areas of study: Electronic and communication systems, engineering design, engineering R&D, environmental systems, humanitarian engineering, mechatronic systems, renewable energy systems, systems design.

Course prerequisites: **ACT:** Mathematical Methods (Major)/Further Mathematics (Major)/Specialist Mathematics (Major)/Specialist Methods (Major) /Mathematics – International. **NSW:** Mathematics Advanced.

Assumed knowledge: **ACT:** Physics (Major) **NSW:** Physics.

Recommended studies: **ACT:** Specialist Mathematics/Specialist Methods (Double Major)/Further Mathematics (Double Major)/Specialist Mathematics – ANU/Discrete Mathematics – ANU/UC. **NSW:** Mathematics Extension 2.

Environment and Sustainability

Areas of study: Environmental science, quantitative environmental modelling, resource and environmental management, sustainability studies.

Finance

Areas of study: Asian capital markets, capital markets, quantitative finance.

Assumed knowledge: **ACT:** Mathematical Methods (Major)/Further Mathematics (Major)/Specialist Mathematics (Major)/Specialist Methods (Major)/Mathematics – International **NSW:** Mathematics Advanced.

Finance, Economics and Statistics

Areas of study: Economics, finance, statistics.

Course prerequisites: **ACT:** Specialist Mathematics (Major/Minor) (160+)/Specialist Methods (Major/Minor) (160+)/Mathematical Methods (Major/Minor) (160+)/Further Mathematics (Major/Minor) (160+). **NSW:** Mathematics Extension 1 (Band E3).

Recommended studies: **ACT:** Specialist Mathematics/Specialist Methods (Double Major)/Further Mathematics (Double Major)/Specialist Mathematics – ANU/Discrete Mathematics – ANU/UC. **NSW:** Mathematics Extension 2.

Genetics

Areas of study: Genetics, including the traditional areas of evolutionary, Mendelian, and population genetics; more recent developments in medical and molecular genetics and bioinformatics.

Course prerequisites: **ACT:** Chemistry (Major). **NSW:** Chemistry.

Health Science

Areas of study: Biology, health science, Indigenous health, medical science, population health, psychology, science communication.

Assumed knowledge: **ACT:** Chemistry (Major). **NSW:** Chemistry.

Additional selection criteria: Supplementary form.

International Business

Areas of study: Asian languages (Chinese, Hindi, Indonesian, Japanese, Korean, Sanskrit, Thai, Vietnamese), European languages (French, German, Italian, Spanish), Middle Eastern languages (Arabic, Persian, Turkish, Urdu), a Latin American language (Spanish), cultural studies and institutions, international business and management.

Assumed knowledge: **ACT:** Mathematical Methods (Major)/Further Mathematics (Major)/Specialist Mathematics (Major)/Specialist Methods (Major)/Mathematics – International. **NSW:** Mathematics Advanced.

International Security Studies

Areas of study: International security studies plus Arabic, Asia-Pacific security, Burmese language, Chinese language, French language and culture, German language and culture, Hindi language, historical international security, Indonesian language, international relations, Italian language and culture, Japanese language, Korean language, Mongolian language, peace and conflict studies, Persian language, Russian language, Spanish language, Tetum language, Thai language, Vietnamese language, war studies.

Languages

Areas of study: Ancient Greek, Arabic, Burmese, Chinese, French language and culture, German language and culture, Hindi, Indonesian, Italian language and culture, Japanese, Korean, Latin, Mongolian, Persian, Russian, Sanskrit, Spanish, Tetum, Thai, Tok Pisin, Vietnamese.

Law

Areas of study: Law.

Mathematical Sciences

Areas of study: Computer science, mathematics, statistics.

Course prerequisites: **ACT:** Specialist Mathematics/Specialist Methods (Double Major)/Further Mathematics (Double Major)/Specialist Mathematics – ANU/Discrete Mathematics – ANU/UC. **NSW:** Mathematics Extension 2.

Medical Science

Areas of study: Anatomy, biochemistry, ethics, genetics, immunology, microbiology, molecular biology, neuroscience, nutrition, physiology, psychology.

Course prerequisites: **ACT:** Chemistry (Major). **NSW:** Chemistry.

Music

Areas of study: Composition, composition for film and video games, music technology, musicology, performance.

Additional selection criteria: Some music courses require an audition.

Pacific Studies

Areas of study: Pacific studies plus anthropology; archaeology; Chinese language; development studies; environmental studies; French language and culture; gender, sexuality and culture; geography; German language and culture; Hindi language; history; Indonesian language; international relations; philosophy; sociology; Spanish language; visual arts practice.

Psychology

Areas of study: Psychology.

Science

Areas of study: Agricultural innovation, astronomy and astrophysics, biochemistry, biodiversity conservation, biological anthropology, cell and molecular biology, chemistry, climate science, computer science, earth science, evolution, ecology and organismal biology, geography, human biology, human evolutionary biology, Indigenous sciences and knowledge, mathematical economics, mathematical finance, mathematical modelling, mathematics, physics, psychology, quantitative environmental modelling, quantitative biology, resource and environmental management, science communication, statistics, sustainability studies and water science.

Subject prerequisites and assumed knowledge: Some science courses have subject prerequisites or assumed knowledge of Mathematics Advanced, Physics or Chemistry. For further information, visit programsandcourses.anu.edu.au.

Statistics

Areas of study: Applied statistics, probability and stochastic processes, statistical data analysis, theoretical statistics.

Course prerequisites: **ACT:** Specialist Mathematics (Major/Minor)/Specialist Methods (Major/Minor)/Mathematical Methods (Major/Minor)/Further Mathematics (Major/Minor). **NSW:** Mathematics Extension 1.

Recommended studies: **ACT:** Specialist Mathematics/Specialist Methods (Double Major)/Further Mathematics (Double Major)/Specialist Mathematics – ANU/Discrete Mathematics – ANU/UC. **NSW:** Mathematics Extension 2.

Visual Arts

Areas of study: Ceramics, glass, painting, photography and media arts, print media and drawing, sculpture and spatial practice, textiles.

Additional selection criteria: Interview, portfolio.

Flexible double degrees

The Australian National University offers flexible double degrees, which allow you to choose from hundreds of possible combinations across three groups. For details, search for 'study options' at anu.edu.au then select 'Flexible Double Degrees', or visit programsandcourses.anu.edu.au to create your own program. Program availability and combination options are subject to change.

The three groups available are:

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

You can combine any two courses (for which you meet the selection rank) from the group.

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 | ■ International Relations |
| ■ Actuarial Studies* | ■ International Security Studies |
| ■ Applied Data Analytics | ■ Languages |
| ■ Art History and Curatorship | ■ Mathematical Sciences* |
| ■ Arts | ■ Medical Science* (cannot be combined with Biotechnology or Genetics) |
| ■ Asian Studies | ■ Middle Eastern and Central Asian Studies |
| ■ Biotechnology* (cannot be combined with Genetics or Medical Science) | ■ Music* |
| ■ Business Administration | ■ Pacific Studies |
| ■ Commerce | ■ Public Policy |
| ■ Computing* | ■ Political Science |
| ■ Criminology | ■ Politics, Philosophy and Economics |
| ■ Design* | ■ Science |
| ■ Economics | ■ Science (Psychology) |
| ■ Environment and Sustainability | ■ Statistics* |
| ■ Finance | ■ Visual Arts* |
| ■ Genetics* (cannot be combined with Biotechnology or Medical Science) | |

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)* | ■ Engineering (Hons)* |
| ■ Advanced Computing (Research and Development) (Hons)* | ■ Engineering (Research and Development) (Hons)* |

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

- | | |
|---|---|
| ■ Accounting^ | ■ Economics |
| ■ Actuarial Studies* | ■ Environment and Sustainability |
| ■ Applied Data Analytics | ■ Finance |
| ■ Art History and Curatorship^ | ■ Genetics* ^ |
| ■ Arts | ■ International Relations^ |
| ■ Asian Studies^ | ■ International Security Studies |
| ■ Biotechnology* | ■ Languages* |
| ■ Business Administration | ■ Mathematical Sciences* |
| ■ Commerce | ■ Medical Science^ |
| ■ Computing* (cannot be combined with Advanced Computing) | ■ Middle Eastern and Central Asian Studies^ |
| ■ Criminology^ | ■ Music* ^ |
| ■ Design^ | ■ Pacific Studies |

- | | |
|---------------------------------------|------------------------|
| ■ Public Policy^ | ■ Science |
| ■ Political Science^ | ■ Science (Psychology) |
| ■ Politics, Philosophy and Economics^ | ■ Statistics* |
| | ■ Visual Arts^ |

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 | ■ International Relations |
| ■ Actuarial Studies* | ■ International Security Studies |
| ■ Applied Data Analytics | ■ Languages |
| ■ Art History and Curatorship | ■ Mathematical Sciences* |
| ■ Arts | ■ Medical Science* |
| ■ Asian Studies | ■ Middle Eastern and Central Asian Studies |
| ■ Biotechnology* | ■ Music* |
| ■ Business Administration | ■ Pacific Studies |
| ■ Commerce | ■ Political Science |
| ■ Computing* | ■ Politics, Philosophy and Economics |
| ■ Criminology | ■ Public Policy |
| ■ Design* | ■ Science |
| ■ Economics | ■ Science (Psychology) |
| ■ Environment and Sustainability | ■ Statistics* |
| ■ Finance | ■ Visual Arts* |
| ■ Genetics* | |

Vertical degrees

The College of Science at the Australian National University offers a range of vertical (Bachelor/Master) options. For details, search for 'study options' at anu.edu.au then select 'Vertical Double Degrees', or visit programsandcourses.anu.edu.au to create your own program.

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 Science (Advanced) (Hons) |
| ■ B Engineering (Research and Development) (Hons) | ■ B Philosophy (Hons) Science* |
| ■ B Finance, Economics and Statistics (Hons) | ■ B Philosophy (Hons) Humanities and Social Sciences* |

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

^ Engineering (Research and Development) (Honours) cannot be combined with these programs.



CRICOS provider number: 00300K
TEQSA provider ID: PRV12069

Get in touch

Charles Darwin University
PO Box 40146
Casuarina NT 0811

In person

Ellengowan Drive
Casuarina NT 0810

tel: 1800 061 963

email: student.central@cdu.edu.au

website: cdu.edu.au



Scan for general information about CDU, including admission criteria, or go to uac.edu.au/cdu.

Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations within the course.

Accounting

Areas of study: Business, economics, finance.

Alcohol and Other Drugs (Dip)

Areas of study: Humanities, social sciences.

Arts

Arts (Dip)

Architectural Design
Communications, Literature and Digital Media
Contemporary Indigenous Australia
Creative and Digital Arts
Global Humanities in a Digital Age
Indigenous Governance and Policy
Languages and Linguistics
Music Making, Production and Performance
Society and Culture

Areas of study: Aboriginal and Australian studies, humanities, design, languages, music, policy, social science.

Biomedical Science

Areas of study: Dietetics, health, microbiology medical science.

Business

Entrepreneurship and Innovation
Hospitality Management
Human Resource Management
International Management and Logistics
Project Management
Strategic Marketing and Communication
Tourism and Destination Management
Workplace Health and Safety

Areas of study: Business and management, marketing, tourism.



Computer Science

Areas of study: Computing, information technology.

Counselling (Dip)

Areas of study: Humanities, social sciences.

Digital Enterprise

Digital Enterprise (Dip)

Areas of study: Business, computing, data and business analytics, information technology.

Assumed knowledge: Mathematics Advanced.

Education

Early Childhood (Birth-12 Years)

Primary

Secondary

Areas of study: Education, teaching.

Educational Studies (Dip)

Early Childhood Education and Care

Primary

Secondary

Areas of study: Education, teaching.

Engineering Science

Civil and Structural

Electrical and Electronics

Mechanical

Areas of study: Engineering.

Assumed knowledge: Mathematics Advanced.

Engineering (Honours)

Engineering (AssocDeg)

Engineering (Dip)

Civil and Structural

Electrical and Electronics

Mechanical

Areas of study: Engineering.

Course prerequisites: *For Engineering (Hons):* Mathematics Advanced or Physics.

Assumed knowledge: *For Engineering (AssocDeg) (Dip):* Mathematics Advanced.

Environmental Science

Areas of study: Biodiversity and conservation, eco-cultural resource management, environmental studies, water and landscapes.

Exercise and Sport Science

Exercise and Sport Science (AssocDeg)

Areas of study: Business and management, coaching, exercise, general, health, public health, rehabilitation, strength and conditioning, sport psychology, sports science.

Health Science

Areas of study: Health science, occupational therapy, nutrition, speech and language therapy.

Health Science (Dip)

Areas of study: Allied health, health services management.

Health Services Management

Areas of study: Health, management.

Humanitarian Aid and Development

Areas of study: Humanities, social sciences.

Indigenous Research (Dip)

Areas of study: Aboriginal and Australian studies.

Information and Communications Technology (AssocDeg)

Areas of study: Computing and information technology.

Information Technology

Areas of study: Computing and information technology.

Laws

Laws (Dip)

Areas of study: Law, legal studies.

Laws (Combined)

Accounting/Laws (Dip)

Areas of study: Business, finance, law, legal studies.

Legal Studies (AssocDeg)

Areas of study: Law, legal studies.

Medical Laboratory Science

Areas of study: Health, medical laboratory science.

Assumed knowledge: Chemistry.

Network Engineering (AssocDeg)

Network Engineering (Dip)

Areas of study: Computing, information technology.

Public Health

Areas of study: Epidemiology, cultural safety, global and environmental health.

Psychological Science

Areas of study: Abnormal psychology, cognitive psychology, learning and motivation, psychology, research methods, social-cultural psychology.

Psychology (Dip)

Areas of study: Psychology.

Science

Science (Dip)

Areas of study: Biology, biomedical science, chemistry, ecology, geographic information science, health and physical education, mathematics and physics, science.

Social Care (Dip)

Areas of study: Humanities, social sciences.

Social Work

Areas of study: Humanities, social sciences.

Software Engineering (Honours)

Areas of study: Computing and information technology, engineering.

Assumed knowledge: Mathematics Advanced.

Combined and double 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.

- Computer Science/Master of Information Technology
- Engineering Science (Civil and Structural)/Master of Engineering
- Engineering Science (Electrical and Electronics)/Master of Engineering
- Engineering Science (Mechanical)/Master of Engineering
- Exercise and Sport Science/Master of Nutrition
- Health Science/Master of Nutrition
- Health Science/Master of Occupational Therapy
- Health Science/Master of Speech and Language Therapy

CRICOS provider number: 00005F
TEQSA Provider ID: PRV12018

Get in touch

Charles Sturt University
Panorama Avenue
Bathurst NSW 2795

tel: 1800 275 278
online: csu.edu.au/contacts/enquiry
website: study.csu.edu.au

In person

Albury-Wodonga campus

Marketing Coordinator
Building 673, Gordon Beavan Building
Elizabeth Mitchell Drive, Thurgoona NSW 2640

Bathurst campus

Marketing Coordinator
Building 1396, Panorama Ave, Bathurst NSW 2795

Canberra (Theology) campus

Dean of Students, St Mark's National Theological Centre
15 Blackall Street, Barton ACT 2600

Dubbo campus

Administration Office
Tony McGrane Place, Dubbo NSW 2830

Orange campus

Marketing Coordinator
Building 1001, Leeds Parade, Orange NSW 2800

Parramatta (Theology) campus

United Theological College
16 Masons Drive, North Parramatta NSW 2151

Port Macquarie campus

Marketing Coordinator
7 Major Innes Road, Port Macquarie NSW 2444

Wagga Wagga campus

Marketing Coordinator
Building 13, Boorooma Street, Wagga Wagga NSW 2650



Scan for general information about CSU, including admission criteria, or go to uac.edu.au/csu.



Read this first

When you read 'any 2 units of science' this can include Biology, Chemistry, Physics, Earth and Environmental Science or Investigating Science.

Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations within the course.



Agriculture

Agriculture

Areas of study: Agribusiness, agronomy, farm production, livestock production.

Assumed knowledge: Mathematics Standard 2, Investigating Science.

Recommended studies: Biology and/or Chemistry, Mathematics Advanced.

Agricultural Science

Areas of study: Agronomy, digital agriculture, horticulture, livestock production, mixed farm business.

Assumed knowledge: Mathematics Standard 2, Investigating Science.

Recommended studies: Biology and/or Chemistry, Mathematics Advanced.

Agricultural Business Management

Areas of study: Agricultural business management (farm, horticultural, land, viticultural).

Assumed knowledge: Mathematics Standard 2, Investigating Science.

Horticulture

Areas of study: Applied plant science, management.

Recommended studies: Biology.

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 Advanced.

Equine Science

Areas of study: Equine breeding and management, equine business management, equine exercise physiology, equine health and welfare, equine nutrition, equine science.

Assumed knowledge: Biology, Chemistry, Mathematics Advanced.

Applied Science

Outdoor Recreation and Ecotourism

Areas of study: Indigenous and cultural heritage, outdoor recreation, visitor services and open space management, wildlife and conservation.

Arts

English

Environmental Studies

History

Human Services

Humanities Pathway to Teaching

Justice Studies

Management and Marketing

Philosophy and Ethics

Psychology

Sociology

Writing and Publishing

Recommended studies: Any 2 units of English.

Business

Accounting

Business

Business Studies

Assumed knowledge: Mathematics Advanced.

Communication

Content creation

Areas of study: Design, digital and social media, editing, producing, project management, media and data, video production.

Recommended studies: English Standard or English Advanced, Business Studies, Design and Technology, Economics, Legal Studies, Society and Culture, Software Engineering.

Integrated Marketing Communication

Areas of study: Advertising, design and content creation, digital and social media, entrepreneurship, event management, media and data, project management, public relations, strategic communication,.

Recommended studies: English Standard or English Advanced, Business Studies, Design and Technology, Economics, Legal Studies, Society and Culture, Software Engineering.

News and Media

Areas of study: Content creation, data and analytics, digital and social media, journalism, persuasive communication.

Recommended studies: English Standard or English Advanced, Business Studies, Design and Technology, Economics, Legal Studies, Society and Culture, Software Engineering.

Education

Early Childhood and Primary

Areas of study: Teaching (early childhood), teaching (primary).

Assumed knowledge: Entry standards for initial teacher education courses are three Band 5 results, including English, in the NSW HSC or equivalent. plus Band 4 in mathematics for primary teacher courses. Charles Sturt University courses are designed for and accredited with alternative 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 Advanced, before undertaking curriculum and professional studies.

Recommended studies: Any 2 units of English, any 2 units of mathematics.

K-12

Areas of study: Teaching (primary) and teaching (secondary) in human society and its environment/business studies, English, mathematics, human society and its environment/modern history, science (biology, chemistry, physics), human society and its environment/geography, human society and its environment/legal studies, visual arts, drama or personal development, health and physical education (PDHPE). Majors are dependent on campus offerings and study may be mixed mode (online and on-campus).

Assumed knowledge: Entry standards for initial teacher education courses are three Band 5 results, including English, in the NSW HSC or equivalent. plus Band 4 in mathematics for primary teacher courses. Charles Sturt University courses are designed for and accredited with alternative 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 Advanced, before undertaking curriculum and professional studies.

Recommended studies: Any 2 units of mathematics.

Technology and Applied Studies

Areas of study: Teaching (secondary school) design and technology and one of the following: agriculture, food technology, industrial technology and information technology (software design, information systems). Food and industrial technology specialists can also choose an additional teaching area in graphics and multimedia or textiles.

Assumed knowledge: Entry standards for initial teacher education courses are three Band 5 results, including English, in the NSW HSC or equivalent. Charles Sturt University courses are designed for and accredited with alternative 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 2 units of English, any 2 units of mathematics, Design and Technology and/or any of the following: Agriculture, Food Technology, Industrial Technology, Enterprise Computing, Software Engineering, Textiles and Design.

For agriculture and food technology: Chemistry.

Engineering

Areas of study: Entrepreneurship, structures, transport and infrastructure, water resources.

Assumed knowledge: Any 2 units of English, any 2 units of mathematics.

Recommended studies: Chemistry, Physics.

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 and Management

Areas of study: Applied earth science; aquatic ecosystems; climate and sustainability; ecology and conservation; parks, recreation and heritage.

Recommended studies: Geography or any 2 units of science.

Exercise and Sports Science

Areas of study: Exercise science, sports management, sports media, sports science, teaching.

Assumed knowledge: Any 2 units of English, any 2 units of mathematics.

Recommended studies: Any 2 units of science.

Health Science

Dental Science

Assumed knowledge: Chemistry, Mathematics Advanced, Physics.

Recommended studies: English Standard.

Additional selection criteria: Refer to csu.edu.au/courses/dental-science.

Health and Medical Science

Assumed knowledge: Chemistry, Mathematics Advanced.

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.

Paramedicine

Assumed knowledge: Biology, Mathematics Advanced, any 2 units of English.

Recommended studies: Investigating Science, first-aid training, medical terminology.

Podiatric Medicine

Assumed knowledge: English Standard.

Recommended studies: Biology, Mathematics Advanced.

Physiotherapy

Assumed knowledge: Any 2 units of English.

Recommended studies: Biology.

Information Technology

Computer Science

Areas of study: Computer science, games programming

Assumed knowledge: Mathematics Advanced.

Information Technology

Areas of study: Business analysis, cyber security, network engineering, software design and development, web development.

Law

Areas of study: Law.

Assumed knowledge: English Advanced, Legal Studies.

Medical Laboratory Science

Areas of study: Biotechnology, clinical physiology, medical science, pathology.

Assumed knowledge: Chemistry, Mathematics Advanced.

Medical Radiation Science

Areas of study: Diagnostic radiography, nuclear medicine and molecular imaging, radiation therapy.

Assumed knowledge: Mathematics Advanced, Physics.

Medicine

Recommended studies: Biology, Chemistry, Physics.

Additional selection criteria: University Clinical Aptitude Test (UCAT ANZ), interview.

Nursing

Assumed knowledge: English Standard, Mathematics Advanced, Biology, Chemistry.

Recommended studies: Personal Development, Health and Physical Education (PDHPE), first-aid certificate, mental health first-aid certificate.

Pharmacy

Assumed knowledge: Chemistry, Mathematics Advanced.

Recommended studies: Biology.

Policing

Areas of study: Policing.

Psychology

Areas of study: Psychology, social science, sociology. Students also complete a minor study in another discipline (eg biology, business, English, history and politics, justice studies, law, social welfare).

Science

Areas of study: Analytical chemistry, conservation biology, mathematics, microbiology and immunology, physics, plant science, spatial science

Assumed knowledge: Mathematics Advanced, any 2 units of science.

Recommended studies: Biology, Chemistry and/or Physics.

Social Science

Areas of study: Criminal justice, psychology.

Social Work and Human Services

**Australian Indigenous Welfare
Child, Youth and Family Practice
Disability
Gerontology and Healthy Ageing
Human Services
Mental Health and Addiction
Multicultural Welfare**

Areas of study: Human rights, psychology, social work, sociology.

Recommended studies: Society and Culture.

Theology

Areas of study: Biblical studies, church history, systematic and practical theology.

Veterinary Science

Veterinary Biology/Veterinary Science

Assumed knowledge: Biology, Chemistry, Mathematics Advanced.

Additional selection criteria: Supplementary application form, interview.

Veterinary Technology

Areas of study: Clinical technology, large animal technology, practice management.

Assumed knowledge: Chemistry, Mathematics Advanced.

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.

- Law/Criminal Justice



CRICOS provider number: 00219C
TEQSA provider ID: PRV12073

Get in touch

Student Enquiries
CQUniversity Sydney
400 Kent Street
Sydney NSW 2000

tel: 13 CQUni (13 27 86)
email: via_contactus.cqu.edu.au
website: cqu.edu.au



Scan for general information about CQU, including admission criteria, or go to uac.edu.au/cqu.

Read this first

When you read 'any 2 units of science' this can include Biology, Chemistry, Physics, Earth and Environmental Science or Investigating Science.

Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations within the course.

Accounting

Areas of study: Entrepreneurship and accounting, financial planning, management, marketing, property.

Course prerequisites: English Standard.

Recommended studies: Mathematics Advanced.

Agriculture

Areas of study: Agribusiness, animal and plant biology, entrepreneurship, food chemistry and nutrition, sustainable landscapes.

Recommended studies: Biology, Mathematics Advanced.

Allied Health

Areas of study: Aboriginal and Torres Strait Islander studies, community and public health, introduction to occupational therapy, introduction to physiotherapy, introduction to speech pathology, psychology for health.

Course prerequisites: English Standard.

Recommended studies: Biology, Chemistry, Physics.

Arts

Arts (Dip)

Areas of study: Creative writing, English and cultural studies, geography, history and politics, journalism, liberal arts, public relations, teaching, theatre studies, visual arts.

Course prerequisites: *For B Arts:* English Standard.



Aviation

Areas of study: Airline and airport operations, flight operations.

Recommended studies: English Standard, Mathematics Advanced, Physics.

Building Design

Building Design (Assoc Deg)

Areas of study: Building design, built environment, commercial construction, residential construction.

Recommended studies: English Standard, Mathematics Standard 2.

Building Surveying and Certification

Building Surveying (Assoc Deg)

Areas of study: Building certification, building sector management, building surveying, built environment, commercial construction, infrastructure planning, residential construction.

Recommended studies: English Standard, Mathematics Standard 2.

Business

Business Studies (Dip)

Areas of study: Accounting, financial planning, human resources management, management, marketing, property.

Course prerequisites: English Standard.

Construction Management

Areas of study: Building law and regulations, building maintenance and materials, building systems, built environment, construction, contracts, cost planning and control, geotechnical studies, structural forms.

Recommended studies: English Standard, Mathematics Standard 2.

Criminology

Areas of study: Criminal justice, criminology, philosophy, politics, psychology, social theory, sociology.

Course prerequisites: English Standard.

Digital Media

Digital Media (Assoc Deg) or Digital Media (Dip)

Areas of study: Animation, graphic design, interactive media, screen production.

Course prerequisites: *For B Digital Media and Digital Media (Assoc Deg):* English Standard.

Echocardiography (Cardiac Physiology)

Areas of study: Adult echocardiography, biochemistry for cardiac pharmacology, cardiac physiology, cardiac rhythm assessment, cardiac science, congenital heart disease, medical pathophysiology.

Recommended studies: Biology, English Standard, Mathematics Advanced, Physics.

Engineering

Engineering (Co-op)

Engineering (Assoc Deg)

Areas of study: *For Engineering and Engineering (Co-op):* Civil, civil with humanitarian, electrical, electrical with data analytics, electrical with information processing, mechanical.

For Engineering (Assoc Deg): Civil, electrical, engineering geology, mechanical, resources engineering.

Course prerequisites: *For Engineering and Engineering (Co-op):* English Standard, Mathematics Standard 2.

Recommended studies: *For Engineering and Engineering (Co-op):* Mathematics Advanced, Physics, Design and Technology. *For Engineering (Assoc Deg):* English Standard, Mathematics Standard 2, Physics.

Engineering Technology

Areas of study: Aircraft maintenance – avionics, aircraft maintenance – mechanical, civil, electrical, mechanical.

Course prerequisites: English Standard, Mathematics Standard 2.

Recommended studies: Mathematics Advanced, Physics, Design and Technology.

Environmental Science

Areas of study: Environmental geography, integrated land and water management.

Course prerequisites: English Standard.

Recommended studies: Biology, Chemistry, Earth and Environmental Science.

Exercise and Sport Sciences

Areas of study: Anatomy, biomechanics, exercise physiology, health and sport psychology, human movement, motor control, nutrition, sports management.

Course prerequisites: English Standard.

Recommended studies: Biology, Mathematics Standard 2, Personal Development, Health and Physical Education (PDHPE).

Information Technology

Information Technology (Co-op)

Information Technology (Assoc Deg)

Information and Communications Technology (Dip)

Areas of study: Application development, business analysis, cyber security.

Course prerequisites: English Standard.

Laws

Areas of study: Criminal law, commercial law, contracts, ethics, legal practice, liberal law.

Course prerequisites: English Standard.

Medical Laboratory Science (Honours)

Areas of study: Clinical biochemistry, haematology and cytopathology, medical laboratory science, medical microbiology, pathology, transfusion science.

Recommended Study: Biology, Chemistry, English Standard, Mathematics Advanced.

Medical Science

Areas of study: Biotechnology, clinical measurement, nutrition, pathology.

Recommended studies: Biology, Chemistry, English Standard, Mathematics Advanced.

Medical Sonography

Areas of study: Abdominal ultrasound, musculoskeletal sonography, paediatric sonography, superficial structures in ultrasound, ultrasound obstetrics and gynaecology, vascular sonography.

Recommended studies: Chemistry, Biology, English Standard, Mathematics Advanced, Physics.

Music

Music (Dip)

Areas of study: Contemporary music, jazz, liberal arts, music ensemble, musicology, music pedagogy, music performance, music technology, western art music.

Recommended studies: Music 2.

Nursing

Areas of study: Chronic health and community care, health across life stages, health and assessment in nursing, mental health nursing, pathophysiology and pharmacology.

Recommended studies: English Standard, Biology, Chemistry, Mathematics Advanced.

Occupational Health and Safety

Occupational Health and Safety (Assoc Deg)

Areas of study: Ergonomics and human factors, occupational health and safety management, occupational hygiene, workplace rehabilitation.

Course prerequisites: English Standard.

Recommended studies: Mathematics Standard 2, Biology, Chemistry or Physics.

Property

Areas of study: Financial planning, property economics.

Course prerequisites: English Standard.

Recommended studies: Mathematics Standard 2.

Psychological Science

Areas of study: Abnormal psychology, cognitive psychology, physiological psychology, psychotherapies and counselling, research methods.

Course prerequisites: English Standard.

Public Health

Public Health (Assoc Deg)

Areas of study: Environmental health, health promotion, nutrition.

Recommended studies: Biology, Chemistry, English Standard, Physics.

Science

Areas of study: Applied biology, applied chemistry.

Course prerequisites: English Standard.

Recommended studies: Biology, Chemistry, Mathematics Advanced.

Science (Criminology and Psychology)

Areas of study: Criminal justice, criminology, forensic psychology, human behaviour, law, psychology, psychotherapies and counselling.

Course prerequisites: English Standard.

Social Work

Areas of study: Casework and case management, community practice, human services, leadership in human services, social policy, social work practice, sociology.

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
- Engineering/Building Design
- Engineering/Construction Management
- Engineering/Information Technology
- Engineering/Project Management
- Laws/Accounting
- Laws/Arts
- Laws/Business
- Laws/Criminology
- Laws/Information Technology
- Laws/Property
- Laws/Science (Psychology)



CRICOS provider number: 00233E
TEQSA provider ID: PRV12076

Get in touch

Business Services
Griffith University
Gold Coast campus, Parklands Drive
Southport QLD 4222
tel: 1800 677 728
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or ask.secure.griffith.edu.au
website: griffith.edu.au



Scan for general information about GU, including admission criteria, or go to uac.edu.au/gu.

Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations within the course.

Applied Financial Advice Applied Financial Advice (Dip)

Course prerequisites: Any 2 units of English (Band 3).

Architectural Design

Course prerequisites: Any 2 units of English (Band 3).

Recommended studies: Mathematics Standard 2 or Mathematics Advanced.

Arts Arts (Dip)

Areas of study: Creative writing; criminal justice; drama; history; Indigenous studies; Islam-West relations; journalism; language, culture and society; languages: Chinese, French*, German*, Indonesian*, Italian, Japanese, Korean*, Modern Greek* and Spanish; literary studies; popular culture; psychology; security and international studies; social justice; sociology; strategic communication. Areas of study are not available for Arts (Dip).

**Via cross-institutional study*

Course prerequisites: Any 2 units of English (Band 3).

Biomedical Science

Course prerequisites: Any 2 units of English (Band 3).

Assumed knowledge: Mathematics Advanced plus one of Biology, Chemistry or Physics.

Business Business (Dip) Advanced Business (Honours)

Areas of study: Accounting, Asian business, Asian engagement, behavioural science, business analytics, economics, employment relations, events, finance, financial planning, human resource



management, innovation and entrepreneurship, international business, logistics and supply chain management, management, marketing, political science and international relations, real estate and property development, sport management, sustainable business, taxation, tourism and travel. Languages are available as a second major or a minor: Chinese, French*, German*, Indonesian*, Italian, Japanese, Korean*, Modern Greek* and Spanish. Areas of study are not available for Business (Dip).

**Via cross-institutional study*

Course prerequisites: Any 2 units of English (Band 3).

Child, Youth and Family Practice

Course prerequisites: Any 2 units of English (Band 3).

Communication and Journalism

Course prerequisites: Any 2 units of English (Band 3).

Computer Science Advanced Computer Science (Honours)

Areas of study: Data science and artificial intelligence, software development.

Course prerequisites: Any 2 units of English (Band 3).

Assumed knowledge: Mathematics Advanced.

Construction Management (Honours)

Course prerequisites: Any 2 units of English (Band 3).

Recommended studies: One of Physics, Chemistry, Mathematics Extension 1 or Mathematics Extension 2

Counselling

Course prerequisites: Any 2 units of English (Band 3).

Criminology and Criminal Justice Criminology and Criminal Justice (Dip)

Course prerequisites: Any 2 units of English (Band 3).

Design

Areas of study: Immersive design, interaction design, interior and spatial design, product design, visual communication design.

Assumed knowledge: Any 2 units of English (Band 3)

Additional selection criteria: Portfolio and interview.

Education

Education (Dip)

Areas of study: Primary education, secondary education. Areas of study are not available for Education (Dip).

Course prerequisites: Any 2 units of English (Band 3) excluding English Studies plus one of Mathematics Standard 2, Mathematics Advanced, Mathematics Extension 1 or Mathematics Extension 2 (Band 3), plus non-academic entry requirements.

For Primary (selected in second year): Any 2 units of science (Band 3).

For Secondary (selected in second year): Students select teaching areas that they have successfully studied (at Band 3) in their senior schooling. **For the mathematics teaching area:** Mathematics Advanced or Mathematics Extension 1 or Mathematics Extension 2.

For biology, chemistry or physics teaching areas: Biology, Chemistry or Physics respectively.

This program meets registration requirements for the Queensland College of Teachers. Applicants wishing to obtain registration in NSW will need to ensure that they meet the NSW Education Standards Authority registration requirements. For further information, visit educationstandards.nsw.edu.au.

Engineering (Honours)

Engineering (Dip)

Areas of study: Civil, electrical and electronic, electrical and renewable energy, mechanical. Areas of study are not available for Engineering (Dip).

Course prerequisites: Any 2 units of English (Band 3).

Assumed knowledge: Mathematics Advanced.

Recommended studies: One of Physics, Chemistry, Mathematics Extension 1 or Mathematics Extension 2.

Environmental Science

Applied Science (Dip)

Areas of study: Ecology and conservation, environmental chemistry, soil and water science, urban environments. Areas of study are not available for Applied Science (Dip).

Course prerequisites: Any 2 units of English (Band 3).

Assumed knowledge: Mathematics Standard 2 (Band 3) or Mathematics Advanced (Band 3).

Recommended studies: One of Biology, Chemistry or Physics.

Exercise Science

Course prerequisites: Any 2 units of English (Band 3).

Assumed knowledge: One of Biology, Chemistry, Physics or Mathematics Advanced.

Health Science

Areas of study: Communications and media, environmental health, environmental toxicology, information technology, non-major options also available.

Course prerequisites: Any 2 units of English (Band 3).

Recommended studies: One of Biology, Chemistry, Physics or Mathematics Advanced.

Human Services

Course prerequisites: Any 2 units of English (Band 3).

Industrial Design

Course prerequisites: Any 2 units of English (Band 3).

Assumed knowledge: Mathematics Standard 2 or Mathematics Advanced.

Information Technology

Information Technology (Dip)

Areas of study: Information systems, networks and security, software development. Areas of study are not available for Information Technology (Dip).

Assumed knowledge: Any 2 units of English (Band 3), Mathematics Standard 2 or Mathematics Advanced.

Intelligent Digital Technologies

Areas of study: Internet of Things (IoTs) and robotics, programming for visualisation and entertainment.

Course prerequisites: Any 2 units of English (Band 3).

Assumed knowledge: Mathematics Advanced.

International Tourism and Hotel Management

International Tourism and Hotel Management (Dip)

Advanced International Tourism and Hotel

Management (Honours)

Areas of study: Events, hotel and hospitality, tourism and travel.

Second majors: Asian engagement, behavioural science, business analytics, economics, employment relations, human resource management, innovation and entrepreneurship, logistics and supply chain management, management, marketing, political science and international relations, real estate and property development, sport management. Areas of study are not available for International Tourism and Hotel Management (Dip).

Course prerequisites: Any 2 units of English (Band 3).

Languages and Linguistics

Areas of study: Chinese, French*, German*, Indonesian*, Italian, Japanese, Korean*, linguistics, Modern Greek, Spanish.

**Via cross-institutional study*

Course prerequisites: Any 2 units of English (Band 3).

Laws (Honours)

Course prerequisites: Any 2 units of English (Band 3) excluding English Studies.

Laws (Honours) (Combined)

The following combined Laws courses are available:

- | | |
|---------------------------|---------------------------|
| ■ Laws (Hons)/Arts | ■ Laws (Hons)/Political |
| ■ Laws (Hons)/Business | Science and International |
| ■ Laws (Hons)/Criminology | Relations |
| and Criminal Justice | ■ Laws (Hons)/ |
| ■ Laws (Hons)/ | Psychological Science. |
| Environmental Science | |

Course prerequisites: Any 2 units of English (Band 3) excluding English Studies.

Assumed knowledge: **For Laws (Hons)/Environmental Science:** Mathematics Standard 2 or Mathematics Advanced.

Recommended studies: **For Laws (Hons) Environmental Science:** One of Biology, Chemistry or Physics.

Marine Science

Areas of study: Coastal management, marine chemistry and biotechnology, marine ecology.

Course prerequisites: Any 2 units of English (Band 3).

Assumed knowledge: Mathematics Standard 2 or Mathematics Advanced.

Recommended studies: At least one of Biology, Chemistry or Physics.

Medical Laboratory Science

Course prerequisites: Any 2 units of English (Band 3).

Assumed knowledge: Mathematics Advanced plus one of Biology, Chemistry or Physics.

Nursing

Course prerequisites: Any 2 units of English (Band 3) excluding English Studies.

Nutrition and Dietetics

Course prerequisites: Any 2 units of English (Band 3).

Assumed knowledge: Biology, Chemistry, Mathematics Advanced.

Pharmacology and Toxicology

Course prerequisites: Any 2 units of English (Band 3).

Assumed knowledge: Mathematics Advanced or Mathematics Extension 1 or Mathematics Extension 2 plus one of Biology, Chemistry or Physics.

Pharmacy

Course prerequisites: Any 2 units of English (Band 3).

Assumed knowledge: Mathematics Advanced or Mathematics Extension 1 or Mathematics Extension 2 plus one of Biology, Chemistry or Physics.

Political Science and International Relations Political Science and International Relations (Dip) Advanced Political Science and International Relations (Honours)

Areas of study: International relations, political science and public policy, security, conflict and human rights. **Second major:** Asian engagement, Chinese language, economics, French language*, German language*, Indonesian language*, international business, Islam-West relations, Italian language, Japanese language, Korean language*, Spanish language. Areas of study are not available in Political Science and International Relations (Dip).

**Via cross-institutional study*

Course prerequisites: Any 2 units of English (Band 3).

Psychological Science

Course prerequisites: Any 2 units of English (Band 3).

Psychology (Honours)

Course prerequisites: Any 2 units of English (Band 3).

Public Health

Course prerequisites: Any 2 units of English (Band 3).

Science

Advanced Science (Honours)

Applied Science (Dip)

Areas of study: Applied mathematics, biochemistry and molecular biology, chemistry, data science, geography, marine biology, physics, wildlife biology. Areas of study are not available for Applied Science (Dip).

Course prerequisites: Any 2 units of English (Band 3).

Assumed knowledge: Mathematics Standard 2 (Band 3) or Mathematics Advanced (Band 3).

Recommended studies: One of Biology, Chemistry or Physics.

Social Science

Areas of study: Economics; environmental sustainability; global security threats; media, communication and social change; politics in Asia; social justice.

Course prerequisites: Any 2 units of English (Band 3).

Social Work

Course prerequisites: Any 2 units of English (Band 3).

Software Engineering (Honours)

Course prerequisites: Any 2 units of English (Band 3).

Assumed knowledge: Mathematics Advanced.

Recommended studies: One of Chemistry, Physics, Mathematics Extension 1 or Mathematics Extension 2.

Sport Development

Course prerequisites: Any 2 units of English (Band 3).

Assumed knowledge: One of Biology, Chemistry, Physics, Mathematics Standard 2 or Mathematics Advanced.

Urban Planning (Honours)

Course prerequisites: Any 2 units of English (Band 3).

Recommended studies: Mathematics Standard 2 or Mathematics Advanced.

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.

- Arts/Business
- Business/Data Science
- Business/Political Science and International Relations
- Communication and Journalism/Business
- Communication and Journalism/Political Science and International Relations
- Communication and Journalism/Science
- Criminology and Criminal Justice/Information Technology
- Criminology and Criminal Justice/Information Technology
- Design/Business
- Engineering (Hons)/Business
- Engineering (Hons)/Computer Science
- Engineering (Hons)/Data Science
- Engineering (Hons)/Environmental Science
- Engineering (Hons)/Industrial Design
- Engineering (Hons)/Information Technology
- Engineering (Hons)/Science
- Environmental Science/Business
- Environmental Science/Data Science
- Exercise Science/Business
- Exercise Science/Psychological Science
- Human Services/Criminology and Criminal Justice
- Information Technology/Business
- International Tourism and Hotel Management/Business
- Political Science and International Relations/Criminology and Criminal Justice
- Psychological Science/Business
- Psychological Science/Criminology and Criminal Justice
- Psychological Science/M Mental Health Practice
- Psychological Science/M Rehabilitation Counselling
- Science/Arts
- Science/Business
- Science/Data Science
- Science/Information Technology
- Sport Development/Business
- Urban Planning (Hons)/Science

Get in touch

Domestic Student Advisers
International College of Management, Sydney
151 Darley Road
Manly NSW 2095
Level 4, 451 Pitt Street
Haymarket NSW 2000
tel: 1800 110 490
email: start@icms.edu.au
website: icms.edu.au



Scan for general information about ICMS, including admission criteria, or go to uac.edu.au/icms.

Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations of elective subjects within the course.

Business

Recommended studies: Completion of NSW HSC (or equivalent) with a minimum Band 2 in English Standard or English EAL/D and Mathematics Standard 2.

Additional selection criteria: Interview.

Business (Accounting)

Recommended studies: Completion of NSW HSC (or equivalent) with a minimum Band 2 in English Standard or English EAL/D and Mathematics Standard 2.

Additional selection criteria: Interview.

Business (Entrepreneurship)

Recommended studies: Completion of NSW HSC (or equivalent) with a minimum Band 2 in English Standard or English EAL/D and Mathematics Standard 2.

Additional selection criteria: Interview.

Business (Fashion & Global Brand Management)

Recommended studies: Completion of NSW HSC (or equivalent) with a minimum Band 2 in English Standard or English EAL/D and Mathematics Standard 2.

Additional selection criteria: Interview.

Business (International Tourism)

Recommended studies: Completion of NSW HSC (or equivalent) with a minimum Band 2 in English Standard or English EAL/D and Mathematics Standard 2.

Additional selection criteria: Interview.



Business (Marketing)

Recommended studies: Completion of NSW HSC (or equivalent) with a minimum Band 2 in English Standard or English EAL/D and Mathematics Standard 2.

Additional selection criteria: Interview.

Business (Sports Management)

Recommended studies: Completion of NSW HSC (or equivalent) with a minimum Band 2 in English Standard or English EAL/D and Mathematics Standard 2.

Additional selection criteria: Interview.

Event Management

Recommended studies: Completion of NSW HSC (or equivalent) with a minimum Band 2 in English Standard or English EAL/D and Mathematics Standard 2.

Additional selection criteria: Interview.

Hospitality Management

Recommended studies: Completion of NSW HSC (or equivalent) with a minimum Band 2 in English Standard or English EAL/D and Mathematics Standard 2.

Additional selection criteria: Interview.

Property (Development, Investment and Valuation)

Recommended studies: Completion of NSW HSC (or equivalent) with a minimum Band 2 in English Standard or English EAL/D and Mathematics Standard 2.

Additional selection criteria: Interview.

CRICOS provider number: 00115M
TEQSA provider ID: PRV12132

Get in touch

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Sydney campus (+61 2) 9397 7600
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Sydney campus: latrobe.edu.au/sydney/contact-us
website: latrobe.edu.au

In person

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133 McKoy St, West Wodonga VIC 3690
latrobe.edu.au/albury-wodonga

Bendigo campus

Edwards Road, Flora Hill VIC 3552
latrobe.edu.au/bendigo

Melbourne campus

Cnr Plenty Road and Kingsbury Drive, Bundoora VIC 3086
latrobe.edu.au/melbourne

Mildura campus

471 Benetook Ave, Mildura VIC 3500
latrobe.edu.au/mildura

Shepparton campus

210 Fryers St, Shepparton Victoria 3630
latrobe.edu.au/shepparton

Sydney campus

255 Elizabeth St, Sydney NSW 2000
latrobe.edu.au/sydney



Scan for general information about LTU, including admission criteria, or go to uac.edu.au/ltu.



Read this first

- For up-to-date information contact the University before making any final decisions regarding your choice of HSC courses.
- Not all campuses offer all courses and areas of study. Contact the University for course locations.

Further information about our Schools and Departments is available from the University's website: latrobe.edu.au/schools-departments.

Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations within the course.



Accounting

Areas of study: Accounting, agribusiness, digital business, enterprise, finance, human resource management, international business, management, marketing.

Course prerequisites: Any 2 units of English (min. standard required).

Agriculture

Area of study: Agriculture.

Course prerequisites: Any 2 units of English plus one of Mathematics Standard 2, Mathematics Advanced, Mathematics Extension 1 or Mathematics Extension 2 (min. standards required).

Animal and Veterinary Biosciences

Areas of study: Animal and veterinary biosciences.

Course prerequisites: Any 2 units of English (min. standard required).

Archaeology

Area of study: Archaeology.

Course prerequisites: Any 2 units of English (min. standard required).

Arts

Arts (Dip)

Areas of study: For B Arts: Aboriginal studies, anthropology, archaeological and heritage studies, Asian studies, classics and ancient history, creative and professional writing, crime, justice and legal studies, digital media, English, environmental humanities, ethics and social justice, French studies, gender, sexuality and diversity studies, Greek studies, Hindi studies, history, human geography, international studies, Italian studies, Japanese studies, linguistics, philosophy, politics, psychological science, sociology, Spanish studies, sustainability and development, visual cultures..

For Dip Arts: Arts, archaeology, criminology, global studies, humanities, languages and linguistics, media and communication, politics, philosophy and economics, visual arts.

Course prerequisites: Any 2 units of English (min. standard required).

Biological Sciences

Areas of study: Biochemistry, botany, ecology, genetics, human physiological sciences, microbiology, zoology.

Course prerequisites: Any 2 units of English (min. standard required).

Biomedical Science

Area of study: Biomedical science.

Course prerequisites: Any 2 units of English (min. standard required).

Biomedical Science (Medical)

Areas of study: Biomedical science, medical science, pre-medicine.

Course prerequisites: Any 2 units of English (min. standard required).

Business

Areas of study: Agribusiness, digital business, enterprise, finance, human resource management, international business, management, marketing, sport management.

Course prerequisites: Any 2 units of English (min. standard required).

Civil Engineering (Honours)

Area of study: Civil engineering.

Course prerequisites: Any 2 units of English plus one of Mathematics Standard 2, Mathematics Advanced, Mathematics Extension 1 or Mathematics Extension 2 (min. standards required).

Commerce

Areas of study: Accounting, business analytics, commerce, economics, finance, management, marketing.

Course prerequisites: Any 2 units of English (min. standard required).

Computer Science

Areas of study: Artificial intelligence, cloud analytics, data science, software engineering.

Course prerequisites: Any 2 units of English plus one of Mathematics Standard 2, Mathematics Advanced, Mathematics Extension 1 or Mathematics Extension 2 (min. standards required).

Criminology

Area of study: Criminology.

Course prerequisites: Any 2 units of English (min. standard required).

Cybersecurity

Area of study: Cybersecurity.

Course prerequisites: Any 2 units of English (min. standard required).

Education

Areas of study: Early childhood and primary, primary, secondary.

Course prerequisites: Any 2 units of English plus one of Mathematics Standard 2, Mathematics Advanced, Mathematics Extension 1 or Mathematics Extension 2 (min. standards required).

Engineering Honours (Industrial)

Area of study: Engineering (industrial).

Course prerequisites: Any 2 units of English plus one of Mathematics Standard 2, Mathematics Advanced, Mathematics Extension 1 or Mathematics Extension 2 (min. standards required).

Engineering Technology (Assoc Deg)

Area of study: Engineering technology.

Course prerequisites: Any 2 units of English plus one of Mathematics Standard 2, Mathematics Advanced, Mathematics Extension 1 or Mathematics Extension 2 (min. standards required).

Exercise Science

Area of study: Exercise science.

Course prerequisites: Any 2 units of English plus one of Biology, Chemistry, Mathematics Standard 2, Mathematics Advanced, Mathematics Extension 1, Mathematics Extension 2, Personal Development, Health and Physical Education (PDHPE) or Physics (min. standard required).

Global Studies

Areas of study: Asian politics and security, Chinese studies, conflict and negotiation, French studies, government and policy, Greek studies, Hindi studies, human rights, international relations, Italian studies, Japanese studies, Spanish studies, sustainability and development.

Course prerequisites: Any 2 units of English (min. standard required).

Health Information Management

Area of study: Health information management.

Course prerequisites: Any 2 units of English plus one of Biology, Chemistry, Mathematics Standard 2, Mathematics Advanced, Mathematics Extension 1, Mathematics Extension 2, Personal Development, Health and Physical Education (PDHPE) or Physics (min. standard required).

Health Sciences

Areas of study: Climate change, health promotion, health, wellbeing and performance, human physiological sciences, medical and exercise science, psychological science, public health, rehabilitation counselling.

Course prerequisites: Any 2 units of English (min. standard required).

Information Technology

Information Technology (Dip)

Areas of study: *For B Information Technology:* Artificial intelligence, cloud analytics, data science, information systems, network engineering, software engineering. *For Dip Information Technology:* Information technology.

Course prerequisites: Any 2 units of English (min. standard required).

Languages and Linguistics

Languages (Dip)

Areas of study: *For B Languages and Linguistics:* Chinese studies, French studies, Greek studies, Hindi studies, Italian studies, Japanese studies, linguistics, Spanish studies. *For Dip Languages:* Chinese studies, French studies, Greek studies, Hindi studies, Italian studies, Japanese studies, Spanish studies..

Course prerequisites: Any 2 units of English (min. standard required).

Laws (Honours)

Areas of study: Law.

Course prerequisites: Any 2 units of English (min. standard required).

Laws (Honours) (Combined)

The following combined Laws (Hons) courses are available:

- Laws (Hons)/Arts
- Laws (Hons)/Business
- Laws (Hons)/Commerce
- Laws (Hons)/Criminology
- Laws (Hons)/Global Studies
- Laws (Hons)/Media and Communication
- Laws (Hons)/Politics, Philosophy and Economics
- Laws (Hons)/Psychological Science
- Laws (Hons)/Science

Course prerequisites: Any 2 units of English (min. standard required). **For Laws (Hons)/Science:** Any 2 units of English plus one of Mathematics Standard 2, Mathematics Advanced, Mathematics Extension 1 or Mathematics Extension 2 (min. standards required).

Media and Communication

Areas of study: Creative and professional writing, journalism, marketing, media industries, sports media.

Course prerequisites: Any 2 units of English (min. standard required).

Nursing (Pre-Registration)

Area of study: Nursing.

Course prerequisites: Any 2 units of English (min. standard required).

Nursing/Midwifery

Areas of study: Midwifery, nursing.

Course prerequisites: Any 2 units of English (min. standard required).

Occupational Therapy (Honours)

Area of study: Occupational therapy.

Course prerequisites: Any 2 units of English (min. standard required).

Outdoor and Sustainability Education

Areas of study: Climate change, outdoor education.

Course prerequisites: Any 2 units of English (min. standard required).

Paramedic Practice with Honours

Area of study: Paramedicine.

Course prerequisites: Any 2 units of English plus two of Biology, Chemistry, Mathematics Standard 2, Mathematics Advanced, Mathematics Extension 1, Mathematics Extension 2, Personal Development, Health and Physical Education (PDHPE) or Physics (min. standard required).

Pharmacy (Honours)

Area of study: Pharmacy.

Course prerequisites: Any 2 units of English plus Chemistry and one of Mathematics Standard 2, Mathematics Advanced, Mathematics Extension 1 or Mathematics Extension 2 (min. standards required).

Physiotherapy (Honours)

Area of study: Physiotherapy.

Course prerequisites: Any 2 units of English, plus two of Biology, Chemistry, Mathematics Standard 2, Mathematics Advanced, Mathematics Extension 1, Mathematics Extension 2, Personal Development, Health and Physical Education (PDHPE) or Physics (min. standards required).

Planning (Honours)

Areas of study: Planning.

Course prerequisites: Any 2 units of English (min. standard required).

Politics, Philosophy and Economics

Areas of study: Economics, philosophy, politics, political economy, political philosophy.

Course prerequisites: Any 2 units of English (min. standard required).

Psychological Science

Area of study: Psychological science.

Course prerequisites: Any 2 units of English (min. standard required).

Psychology (Honours)

Area of study: Psychology.

Course prerequisites: Any 2 units of English (min. standard required).

Rural Health (Dip)

Area of study: Rural health.

Course prerequisites: Any 2 units of English (min. standard required).

Science Science (Dip)

Areas of study: For B Science: Applied chemistry, biotechnology, mathematics, molecular biology, pharmaceutical science, physics, psychological science. **For Dip Science:** Science.

Course prerequisites: Any 2 units of English plus one of Mathematics Standard 2, Mathematics Advanced, Mathematics Extension 1 or Mathematics Extension 2 (min. standard required).

Social Work (Honours)

Area of study: Social work.

Course prerequisites: Any 2 units of English (min. standard required).

Speech Pathology (Honours)

Area of study: Speech pathology.

Course prerequisites: Any 2 units of English plus one of Biology, Chemistry, Mathematics Standard 2, Mathematics Advanced, Mathematics Extension 1, Mathematics Extension 2, Personal Development, Health and Physical Education (PDHPE) or Physics (min. standard required).

Teacher Education (Assoc Deg)

Teacher Education (Dip)

Areas of study: Education, teaching, teacher education.

Course prerequisites: Any 2 units of English (min. standard required).

Urban and Regional Environments (Assoc Deg)

Urban and Regional Environments (Dip)

Areas of study: Planning, regional environments, urban environments.

Course prerequisites: Any 2 units of English (min. standard required).

Visual Arts

Areas of study: Visual arts.

Course prerequisites: Any 2 units of English (min. standard required).

Wildlife and Conservation Biology

Areas of study: Wildlife and conservation biology.

Course prerequisites: Any 2 units of English (min. standard required).

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.

- Arts/Health Science
- Criminology/Psychological Science.

CRICOS provider number: 00002J
TEQSA provider ID: PRV12032

Get in touch

Macquarie University
Level 1, 8 Sir Christopher Ondaatje Avenue
Macquarie Park NSW 2109

tel: (+61 2) 9850 6767
Indigenous students can also call Walanga Muru,
Office of Indigenous Strategy: (+61 2) 9850 6023 or
via wmpathways@mq.edu.au
online: futurestudents@mq.edu.au or online through our
Live Chat
website: mq.edu.au



Scan for general information
about Macquarie, including admission
criteria, or go to uac.edu.au/mq.



Read this first

- Macquarie University recognises performance in relevant subjects. For details, search for 'Entry Pathways Tool' at mq.edu.au.
- Macquarie University degrees don't have prerequisites for entry. However, some degrees have subject prerequisites, assumed knowledge and recommended studies. Some of these may have minimum band requirements. Students who haven't studied the required subjects or who haven't achieved the minimum bands may need to undertake relevant introductory units in their first year or bridging courses in chemistry and mathematics.

Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations within the course.

Actuarial Studies

Areas of study: Analysis of mortality and population-based rates, contingent payments, mathematics of finance, probability and statistics, professional standards and practice.

Assumed knowledge: Mathematics Extension 1.

For the Macquarie Co-operative Education program: Mathematics Extension 2 (Band E4).

Recommended studies: Mathematics Extension 2 (Band E4).

Ancient History

Areas of study: Ancient Egyptian and Near East archaeology; ancient languages (ancient Greek, Hieroglyphic Egyptian, Latin); Byzantine emperors; cultural heritage and public history; introduction to archaeology; late antiquity, material culture and museum studies; myths and magic in the ancient world; Rome and the Caesars; societies and cultures of early Egypt and the ancient Near East through to classical Greece and Rome; state formation and collapse in antiquity; the Bronze Age to Byzantium; the Hellenistic Age.



Applied Finance

Areas of study: Corporate finance, derivative pricing, financial economics, financial modelling, portfolio management, risk management.

Assumed knowledge: Mathematics Advanced.

Archaeology

Areas of study: Ancient Egyptian and Near East archaeology; Ancient Greece; archaeology of death and burial; cultural heritage and public history; field methods of archaeology; lab methods of archaeology; material culture and museum studies; societies and cultures of Ancient Egypt; world archaeology.

Arts

Areas of study: Ancient history; anthropology; applied ethics; Chinese studies; creative writing; criminology; Croatian studies; education; English; French and francophone studies; gender studies; geography; German studies; Indigenous studies; international relations; Italian studies; Japanese studies; media, culture and communications; Modern Greek studies; modern history; music studies; performing arts and entertainment industries; philosophy; politics; psychological science*; Russian studies; social justice; sociology; Spanish and Latin American studies.

**The study of psychological science does not lead to registration as a psychologist or to professional postgraduate training in psychology.*

Biodiversity and Conservation

Areas of study: Aquatic ecosystems, biology and behaviour, conservation management, environmental management, evolution and ecology, genetics, plant and animal sciences.

Recommended studies: Biology or Chemistry plus Mathematics Advanced.

Business

Areas of study: Business administration; human resource management; international business; management and leadership; marketing; strategy, innovation and entrepreneurship.

Assumed knowledge: Mathematics Standard 2.

Business Analytics

Areas of study: Accounting, business information systems, business intelligence, computing, data management, data mining, database programming, database systems, demography, quantitative analysis, statistics, systems design.

Assumed knowledge: Mathematics Advanced.

Recommended studies: Mathematics Extension 1.

Chiropractic Science

Areas of study: Anatomy and histology, biochemistry, biology, chemistry, chiropractic science, medical microbiology and pathology, physics, physiology, research methodology.

Recommended studies: Biology, Chemistry, Mathematics Advanced, Physics.

Clinical Science

Areas of study: Anatomy, biochemistry, embryology, genetics and genomics, histology, human biology, immunology, medical microbiology, pathology, pharmacology, physics, physiology, professional skills and knowledge for working in healthcare and medical research settings, structural and functional neuroscience.

Recommended studies: Chemistry, Mathematics Advanced.

Cognitive and Brain Sciences

Areas of study: Attention, cognitive disorders and delusions, cognitive neuroscience, computational neuroscience, hearing and brain, human neuroimaging, memory, neuroscience, reading, research and experiment design, social robotics, statistics.

Commerce

Areas of study: Accounting, business analytics, business information systems, cyber security governance, economics, finance, human resource management, international business, marketing, marketing insights and analytics.

Assumed knowledge: *For business analytics, economics, finance:* Mathematics Advanced. *For accounting, business information systems, cyber security governance, human resource management, international business, marketing, marketing insights and analytics:* Mathematics Standard 2.

Recommended studies: *For accounting, business information systems:* Mathematics Advanced.

For finance: Mathematics Extension 1.

Cyber Security

Area of study: Applied cryptography, cybercrime, data privacy and information security, databases, digital forensics, ethical hacking, machine learning, networking, programming, secure application development, security management in practice, web technologies.

Recommended studies: Mathematics Extension 1 or Mathematics Extension 2, plus Enterprise Computing and/or Software Engineering.

Economics

Areas of study: Development, environmental, financial, international, health and labour economics; econometrics; economic policy; industrial organisation; macroeconomics; microeconomics.

Assumed knowledge: Mathematics Advanced.

Education

Early Childhood Teaching

Areas of study: Child development and health, early childhood curriculum development, early childhood teaching principles, family and community contexts, inclusive education, management and leadership in early childhood settings.

Recommended studies: Any 2 units of mathematics.

Primary Education

Areas of study: Arts in education, Australian education in social and historical contexts, health and physical education, inclusive education, Indigenous education, language and literacies, learning and development, principles and design of maths, professional experience in teaching, science and technology education.

Course prerequisites: Mathematics Advanced (Band 4). If you haven't met the required minimum achievement, you can undertake an alternative introductory unit of study in that area.

Secondary Education

Areas of study: Accounting, ancient history, astronomy and astrophysics, biology, chemistry, Chinese studies, Croatian studies, earth and environmental sciences, economics, English, finance, French and francophone studies, geography, German studies, human biology, human resource management, international business, Italian studies, Japanese studies, mathematics, Modern Greek studies, modern history, physics, Russian studies, Spanish and Latin American studies.

Assumed knowledge: *For astronomy and astrophysics, mathematics, physics:* Mathematics Advanced (Band 4). *For economics and finance:* Mathematics Advanced or equivalent. *For accounting, human resource management, international business:* Mathematics Standard 2.

Recommended studies: Mathematics Advanced, at least 2 units of science. *For astronomy and astrophysics, mathematics, physics:* Physics. *For mathematics:* Mathematics Extension 1 (Band E2) or Mathematics Extension 2. *For accounting:* Mathematics Advanced. *For finance:* Mathematics Extension 1.

Engineering (Honours)

Areas of study: Civil engineering, electrical and electronic engineering, mechanical engineering, mechatronic engineering, software engineering.

Assumed knowledge: Mathematics Advanced (Band 4).

Recommended studies: Mathematics Extension 1 or Mathematics Extension 2 plus Physics, Software Engineering.

Environment

Areas of study: Environmental management, environmental sciences.

Recommended studies: Earth and Environmental Science, Biology, Geography, Chemistry, Mathematics Advanced.

Exercise and Sports Science

Areas of study: Anatomy; behaviour change for health and exercise; biomechanics of human movement; exercise physiology; exercise prescription; human growth, development and ageing; neuroscience; performance analysis for exercise and sports science; physical activity and public health; professional practice in exercise science; research and data analysis; strength and conditioning.

Recommended studies: Personal Development, Health and Physical Education (PDHPE), Mathematics Advanced.

Game Design and Development

Areas of study: Computer games technology; computer graphics; computer programming; critical games studies; digital media production; game design; game development; modelling and animation; screen writing; software engineering; sound, image and interactive media; video games; web design; web technology.

Recommended studies: Mathematics Extension 1 or Mathematics Extension 2, plus Enterprise Computing and/or Software Engineering.

Information Technology

Areas of study: Artificial intelligence, cyber security, data science, information systems and business analysis, networking, software technology, web and mobile app development.

Recommended studies: Mathematics Extension 1 or Mathematics Extension 2, plus Enterprise Computing and/or Software Engineering.

International Studies

Areas of study: Chinese international studies, Croatian international studies, French and francophone international studies, German international studies, Italian international studies, Japanese international studies, Modern Greek international studies, Russian international studies, Spanish and Latin American international studies.

Law

Areas of study: Administrative law, animal law, civil procedure, company law, consumer law, contracts, criminal law and procedure, environmental law, equity (including trusts), ethics and professional responsibility, evidence, family law, federal and state constitutional law, human rights, Indigenous peoples and the law, international law, media law, property, torts.

Marketing and Media

Areas of study: Australian media; brand management; business and creative arts management; digital marketing; integrated marketing communications; marketing fundamentals; marketing research; media cultures; professional writing; public relations; radio, screen and digital media production; social marketing; social media marketing.

Assumed knowledge: Mathematics Standard 2.

Media and Communications

Areas of study: Interactive design; journalism and non-fiction writing; online media, podcasting and radio; public relations and social media; screen practice and production.

Medical Sciences

Areas of study: Anatomy and physiology, genomics and medical informatics, infectious disease and biosecurity, medicinal chemistry, neuroscience.

Recommended studies: Mathematics Advanced, Chemistry.

Music

Areas of study: Music business, music in a global context, music production, musical creativity, musical experimentation and innovation, musical literacies, song writing, vocal studies.

Planning

Areas of study: Demographics and social science, environmental science and management, geographical information systems, international development, planning law and governance, planning policy, social impact assessment, spatial science, tourism and heritage, urban design.

Professional Accounting

Areas of study: Auditing and assurance, business and corporations law, economic policies and regulations, finance, financial reporting, information systems, international accounting, management and control, professional issues, statistical analysis, sustainability issues, taxation.

Assumed knowledge: Mathematics Standard 2.

Psychology

Areas of study: Biopsychology and learning, cognition and perception, emotion, health psychology, motivation, neuroscience, organisational psychology, personality and principles of psychological assessment, psychopathology, research design and statistics, social and developmental psychology.

Recommended studies: Mathematics Advanced.

Science

Areas of study: Astronomy and astrophysics, biology, biomolecular sciences, chemistry, earth and environmental sciences, human biology, mathematics, physics, psychological science*, statistical modelling.

**The study of psychological science does not lead to registration as a psychologist or to professional postgraduate training in psychology.*

Assumed knowledge: *For astronomy and astrophysics, mathematics, physics, statistical modelling:* Mathematics Advanced (Band 4).

Recommended studies: Mathematics Advanced, at least 2 units of science. *For astronomy and astrophysics, mathematics, physics, statistical modelling:* Physics. *For mathematics, statistical modelling:* Mathematics Extension 1 (Band E2) or Mathematics Extension 2.

Security Studies

Areas of study: Australian, regional and global strategy and security; counterterrorism; cybercrime and security; emerging security challenges; ethical practice; intelligence and counterintelligence; modern warfare; security policy analysis.

Social Science

Areas of study: Australian politics, Indigenous policy, inequality and global justice, public and social policy, social research, social science, sociology, urban economies.

Speech and Hearing Sciences

Areas of study: Commonalities and differences between the world's languages; hearing and its disorders; how children and adults learn a second or other language; how language develops in children; how language is represented in the brain; how spoken language is produced, perceived and understood; speech and language disorders; the relationship between language and society.

Double degrees

Double bachelor degrees involve studying two complementary or different degrees. Macquarie offers more than 40 single bachelor degrees, most of which can be combined in a double degree*.

For more information, search for 'double degrees' at mq.edu.au.

** Some double degree exclusions apply.*



CRICOS provider numbers: 01545C, 03245K (NSW)
TEQSA provider ID: PRV12138

Get in touch

MIT Sydney
154–158 Sussex Street
Sydney NSW 2000

tel: (+61 2) 8267 1400

email: info.sydney@mit.edu.au,
enrolments.sydney@mit.edu.au

website: mit.edu.au



Scan for general information
about MIT, including admission
criteria, or go to uac.edu.au/mit.

*Main headings indicate courses generally offered as bachelor degrees unless
Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are
specialisations within the course.*

Business

Areas of study: Accounting, management, marketing and
digital marketing.

Data Analytics

Areas of study: Data analytics, data science.

Information Technology

Networking

Areas of study: Computer networks, including specialisation
in cloud networks and major in cyber security and software
engineering.





**NATIONAL
ART
SCHOOL**

CRICOS provider number: 03197B
TEQSA provider ID: PRV12036

Get in touch

National Art School
Forbes Street
Darlinghurst NSW 2010

tel: (+61 2) 9339 8651
email: student.services@nas.edu.au
website: nas.edu.au



Scan for general information about NAS, including admission criteria, or go to uac.edu.au/nas.



Read this first

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

Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations within the course.

Fine Arts

Areas of study: Art history and theory, ceramics, drawing, painting, photography, printmaking, sculpture.

Assumed knowledge: Visual Arts.

Additional selection criteria: Portfolio, interview.

CRICOS provider number: 00312F
TEQSA provider ID: PRV12042

Get in touch

Sydney campus

SAE Creative Media Institute
39 Regent Street
Chippendale NSW 2008

tel: 1800 723 338 or (+61 2) 8241 5200

email: sydney@sae.edu.au

website: sae.edu.au

Byron Bay campus

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

tel: 1800 723 338 or (+61 2) 6639 6000

email: byronbay@sae.edu.au

website: sae.edu.au



Scan for general information about SAE, including admission criteria, or go to uac.edu.au/sae.

Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations within the course.

Animation

Animation (Bachelor and Assoc Deg)

Areas of study: Advanced 3D modelling, development and implementation of 3D production pipelines, digital environments and technical art pipelines, lighting and rendering, modelling terminology and methods, texturing and shading, advanced 2D animation, development of user-friendly animation rigs, principles of character animation, body mechanics and facial animation, motion studies, posing, computer modelling, dynamic simulations and colour grading lighting, intermediate and advanced compositing, match moving, particle systems.

Additional selection criteria: Interview.

Animation (Dip)

Areas of study: 3D digital model creation, character rigging, design animation and digital visual effects, interpreting and responding to a design brief, production of 3D assets, staging and drawing, storyboards, visual design.

Additional selection criteria: Interview.

Audio

Audio (Bachelor and Assoc Deg)

Areas of study: Advanced sound for picture techniques, audio post-production team dynamics, creation and manipulation of the sonic environment of multimedia, advanced studio production techniques, mastery of tracks from recording through to production, sound aesthetics, studio production team dynamics.

Additional selection criteria: Interview.



Audio Production (Dip)

Areas of study: Assembly of small-scale digital recording system, digital technology, microphones, mixing and application of signal processors, music theory, musical forms and structure, operation of Digital Audio Workstation (DAW), sound recording.

Additional selection criteria: Interview.

Music Production (Dip)

Areas of study: Blending sounds, conducting a location recording, Digital Audio Workstation (DAW) transcription and operation, music genres and styles, music theory, technical language, understanding and recognition of key features of music, working to a brief, writing a production brief.

Additional selection criteria: Interview.

Songwriting and Music Production (Bachelor and Assoc Deg)

Areas of study: Contemporary songwriting, music production practice, acoustic and electronic music, recording techniques, principles of sound, music and audio technology.

Additional selection criteria: Interview.

Creative Industries

Creative Industries (Bachelor and Dip)

Areas of study: Animation, audio engineering, communication, creative media, creative processes, creative production, design, digital media, entrepreneurship, film, game development, industrial practices, project management, remote practice.

Additional selection criteria: Interview.

Design and Visual Communication

Graphic Design and Visual Communication (Bachelor and Assoc Deg)

Areas of study: Critical and creative thinking, design and layout, design for print media, fundamentals of drawing, pre-press, principles of design, typography.

Additional selection criteria: Interview.

Graphic Design (Dip)

Areas of study: Critical and creative thinking, design and layout, design for print media, fundamentals of drawing, pre-press, principles of design.

Additional selection criteria: Interview.



CRICOS provider number: 01576G
TEQSA provider ID: PRV12046

Get in touch

Sydney Institute of Business and Technology (SIBT)
Level 4, 255 Elizabeth Street
Sydney NSW 2000

tel: (+61 2) 9964 6555
email: study@sibt.nsw.edu.au
website: sibt.nsw.edu.au



Scan for general information about SIBT, including admission criteria, or go to uac.edu.au/sibt.



Read this first

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

Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations within the course.

Arts (Dip)

Areas of study: Arts, criminology and criminal justice, education, international studies, interpreting and translation.

Business Administration (Dip)

Areas of study: Accounting, applied finance, business information systems, international business, human resources management, management, marketing.

Engineering (Dip)

Areas of study: Civil, computing, construction management, electrical engineering, material science, mathematics, mechanical engineering, physics.

Assumed knowledge: Mathematics Extension 1. If not, students can enrol in equivalent units to acquire this knowledge.



Information Technology (Dip)

Areas of study: Business information systems, data management, digital media, programming, software design, systems design.

Media and Communication (Dip)

Areas of study: Advertising, cross-cultural communication, digital media, international communication, journalism, national and global media, public relations, social media.



CRICOS provider number: 01241G
TEQSA provider ID: PRV12043

Get in touch

Future Student Team
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Lismore NSW 2480
tel: 1800 626 481
email: futurestudent@scu.edu.au
website: scu.edu.au

In person

Northern Rivers campus

Military Road, East Lismore NSW 2480

Coffs Harbour campus

Hogbin Drive, Coffs Harbour NSW 2450

Gold Coast campus

Southern Cross Drive, Bilinga QLD 4225

National Marine Science Centre

Charlesworth Bay, Coffs Harbour NSW 2450

Coomera Creative Campus

Foxwell Rd, Coomera, QLD 4209

The Hotel School

Sydney, Melbourne, Brisbane



Scan for general information about SCU, including admission criteria, or go to uac.edu.au/scu.

Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations within the course.

Art and Design

Areas of study: 3D studies, art theory, curating, digital art and design, drawing, painting, printmaking, sculpture.

Recommended studies: Visual Arts.

Additional selection criteria: Interview, portfolio.

Arts

Areas of study: Creative writing, cultural studies, digital media, history, politics and international relations, social science.

Assumed knowledge: English Advanced.

Biomedical Science

Areas of study: Anatomy, biochemistry, human physiology, immunology, microbiology, neuroscience.

Recommended studies: Mathematics Advanced plus at least one of Biology, Chemistry or Physics.



Business and Enterprise

Areas of study: Accounting, aviation management, business analytics, entrepreneurship and innovation, financial services.

Assumed knowledge: Mathematics Advanced, any 2 units of English.

Recommended studies: One or more of Business Studies, Economics, Enterprise Computing or Legal Studies.

Business (Dip)

Recommended studies: Business Studies or Economics.

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 Advanced.

Community Welfare

Areas of study: Children and young people, health and disability, Indigenous studies.

Assumed knowledge: Any 2 units of English.

Contemporary Music

Areas of study: Contemporary music composition, performance, songwriting or production.

Assumed knowledge: Competency on a musical instrument, basic music theory.

Recommended studies: Music 1 or Music 2 or Music Extension.

Additional selection criteria: Audition/interview.

Counselling*

Areas of study: Counselling, behaviour, assessment and intervention.

Assumed knowledge: Any 2 units of English.

** Subject to approval*

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: English Extension 1 or English Extension 2.

Digital Media

Areas of study: Creative writing, digital design, digital marketing, journalism, music and technology, screen media, visual culture.

Assumed knowledge: English Advanced.

Recommended studies: English Extension 1 or English Extension 2.

Education/Teaching

Areas of study: Early childhood, primary (K-6), secondary, technology education

There are no prerequisites or assumed knowledge. Check NESA requirements.

Additional selection criteria: Non-academic requirements.

Engineering

Areas of study: Civil engineering, mechanical engineering.

Recommended studies: Mathematics Advanced plus Chemistry and/or Physics.

Engineering (Assoc Deg, Dip)

Areas of study: Civil construction, intelligent machines.

Environmental Systems

Areas of study: Environmental stewardship, fauna and flora conservation, land and water management, regenerative agriculture.

Recommended studies: Biology, Chemistry, Earth and Environmental Science, Geography, Mathematics Advanced.

Forestry Systems

Areas of study: Biology, ecology, environmental studies, forestry studies, plant physiology, soil processes, wood science.

Recommended studies: Biology and/or Chemistry, Earth and Environmental Science, Mathematics Advanced.

Health (Dip)

Areas of study: Biomedical science, naturopathic medicine, nursing, occupational therapy, osteopathic studies, psychological science, speech pathology, sport and exercise science.

Recommended studies: Biology and/or Chemistry.

Health Science

Areas of study: Health science, naturopathic medicine.

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 2 units of English.

Additional selection criteria: Interview.

Hotel Management (Dip)

Recommended studies: Business Studies and/or Hospitality, any 2 units of English.

Additional selection criteria: Interview.

Indigenous Knowledge

Areas of study: Aboriginal health care, community and land management, Indigenous knowledge and research.

Recommended studies: Any 2 units of English.

Information Technology

Areas of study: Big data technologies, digital interaction and the user experience, networks and cybersecurity, software development.

Assumed knowledge: Mathematics Advanced.

Recommended studies: Enterprise Computing, any 2 units of English.

Law (Assoc Deg)

Areas of study: Conveyancing, paralegal studies.

Laws

Laws (Double Degrees)

- Arts/Laws
- Business and Enterprise/Laws
- Psychological Science/Laws

Recommended studies: **For Laws:** English Advanced, Legal Studies. **For the other area of study:** Refer to the relevant entry.

Legal and Justice Studies

Areas of study: Australian politics, conveyancing, legal systems and processes.

Marine Systems

Areas of study: Biology, chemistry, coastal marine ecosystems, ecology, environmental issues.

Recommended studies: Biology and/or Chemistry, Mathematics Advanced.

Midwifery

Areas of study: Anatomy and physiology, midwifery theory and practice, primary health care, psychosocial sciences, women's health.

Assumed knowledge: Any 2 units of English, Mathematics Advanced plus Chemistry or Biology.

Recommended studies: English Extension 1 or English Extension 2.

Nursing

Areas of study: Biological sciences, professional areas, social sciences.

Assumed knowledge: Any 2 units of English, any 2 units of mathematics.

Recommended studies: One or more of Chemistry, Biology or Physics.

Occupational Therapy

Areas of study: Biological sciences, Indigenous health, professional areas, social sciences.

Recommended studies: Any 2 units of English.

Psychological Science

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

Recommended studies: English Advanced, Mathematics Advanced, Biology.

Regenerative Agriculture

Regenerative Agriculture (Dip)

Areas of study: Human ecology, planning of rural landscapes, regenerative agriculture, regenerative strategies and soil management, soil processes.

Recommended studies: Mathematics Advanced, Chemistry, Biology, Geography.

Science

Areas of study: Applied chemistry, applied mathematics and physics, biology, earth and environmental systems, forestry systems, marine systems, regenerative agriculture.

Recommended studies: Biology, Chemistry, Mathematics Advanced.

Science (Dip)

Areas of study: Earth and environmental systems, forestry systems, marine systems.

Recommended studies: Biology, Chemistry, Mathematics Advanced.

Social Work

Areas of study: Child protection, cross-cultural work, mental health practice, social sciences, social work practice.

Assumed knowledge: Any 2 units of English.

Speech Pathology

Areas of study: Audiology, cultural competency, Indigenous health, multi-modal communication neurology, phonetics and linguistics, principles of evidence-based practice.

Assumed knowledge: English Advanced.

Recommended studies: Biology.

Sport and Exercise Science

Areas of study: Business and management, physical education, strength conditioning and coaching.

Recommended studies: Any 2 units of English, any 2 units of mathematics, one or more of Biology, Chemistry, Physics, Personal Development, Health and Physical Education (PDHPE).

Double degrees

Refer to the assumed knowledge and recommended studies for both components of the double degrees.

- Arts/Laws
- Business and Enterprise/Arts
- Business and Enterprise/Laws
- Engineering Systems (Honours)/Business and Enterprise*
- Exercise Science and Psychological Science
- Information Technology/Business and Enterprise*
- Psychological Science/Laws
- Psychological Science/Business and Enterprise*

** University approval pending*



CRICOS provider number: 03389E
TEQSA provider ID: PRV12209

Get in touch

Surry Hills campus

17–51 Foveaux Street
Surry Hills NSW 2010

tel: 1300 575 803
email: futurestudents@torrens.edu.au
website: torrens.edu.au

Ultimo campus

Level 1, 46–52 Mountain Street
Ultimo NSW 2007

tel: 1300 575 803
email: futurestudents@torrens.edu.au
website: torrens.edu.au

Leura campus

1 Chambers Road
Leura NSW 2780

tel: (+61 2) 9307 4600
email: futurestudents@torrens.edu.au
website: torrens.edu.au



Scan for general information about TUA, including admission criteria, or go to uac.edu.au/tua.

Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations within the course.

3D Design and Animation

3D Design and Animation (Dip)

Areas of study: 2D asset creation, 3D asset creation, animation principles, beyond the creative industries, design context, design studio 1 and 2.

Branded Fashion Design

Areas of study: Design context, design studio 1 and 2, fashion illustration, fashion studio practice, fashion vs clothing, introduction to fashion technical drawing, introduction to shape and form.

Branded Fashion Design (Dip)

Areas of study: Design context, fashion illustration, fashion studio practice, fashion vs clothing, introduction to branded fashion technical drawing, introduction to shape and form.

Business

Business (Dip)

Areas of study: Business fundamentals, customer experience management, ethics and sustainability, identifying consumer behaviour, understanding people and organisations.



Business

Entrepreneurship Event Management Marketing Sports Management

Areas of study: Accounting, business and law, business fundamentals, customer experience management, digital marketing trends, economics, ethics and sustainability, events policy and strategy, identifying consumer behaviour, international business strategy, organisational creativity and innovation, public relations management, sports tourism, strategic marketing planning, understanding people and organisations.

Business

Business (Dip)

Hospitality Management Tourism Management

Areas of study: Accommodation management, accounting, economics, entertainment and leisure management and tourism, gastronomy, human resources, introduction to hospitality, marketing, project management, resort and spa management, strategic management, tourism and events, tourism theory and practice.

Business Information Systems

Areas of study: App web design and development, cyber security, information systems for business, principles of programming, professional ethics, system analysis and design.

Business Information Systems (Dip)

Areas of study: Business communications, data and networking, project management and planning.

Business International Hotel and Resort Management

Areas of study: Accounting, business law, cross-cultural studies, food and beverage management and control, industry practicum, international hospitality industry, research and academic skills, management and leadership, sales and marketing.

Commerce (Accounting)

Areas of study: Accounting, business communications, business law, economic, finance, leadership and professional practice, management, quantitative analysis.

Course prerequisites: Mathematics Standard (Band 2) or Mathematics Advanced (Band 2) or Mathematics Extension 1 (Band E1) or Mathematics Extension 2 (Band E1), any 2 units of English (Band 2).

Communication Design

Areas of study: Design and typographic fundamentals, moving image and 3D design and production, packaging and branding, publishing and media.

Community Services

Areas of study: Community development, diversity and inclusion, first peoples cultures, history and health, health systems and community services, social justice, working with complex clients.

Counselling

Areas of study: Counselling and communication skills, lifespan development, mental health, trauma informed practice, social justice, understanding addictions.

Counselling and Communication Skills (Dip)

Areas of study: Applied counselling, counselling and communication skills, health and wellbeing, interpersonal communication, management and ethical principles, mental health in the community social and emotional wellbeing.

Cybersecurity

Cybersecurity (Dip)

Areas of study: Computer architecture and operating systems, cloud computing, data and networking, data science, database systems, information systems, interaction design, programming.

Design (Dip)

Areas of study: Design context, design studio 1 and 2, drawing for concept development, fashion illustration, ideas and innovation in design, publishing and media, work integrated learning.

Event Management (Dip)

Areas of study: Business fundamentals, customer experience management, event concepts and design, event planning and management, events policy and strategy, organisational creativity and innovation, understanding people and organisations.

Fashion Marketing and Enterprise

Fashion Marketing and Enterprise (Dip)

Areas of study: Design context, Fashion concepts, entrepreneurship, digital design foundations, design studio, marketing fundamentals, customer experience management.

Film and Video Design

Film and Video Design (Dip)

Areas of study: Beyond the creative industries, camera and capture, design context, design studio 1 and 2, motion design, psychology of the moving image.

Game Design and Development

Areas of study: 2D asset creation, 3D asset creation, design context, design studio, game design principles, game foundation principles.

Game Design and Development (Dip)

Areas of study: 2D asset creation, 3D asset creation, design context, design process, game principles, game production.

Graphic Design (Dip)

Areas of study: Design foundations, finished art, form and insight, interaction design, motion design, portfolio and professional practice, publishing and media, symbols and branding, typography, visual language of design.

Health and Wellbeing (Dip)

Areas of study: Active lifestyle promotion, body systems and disease, corporate health, disease prevention, health promotion, human nutrition, leisure, social and emotional wellbeing, sport and fulfilling lives for older people, understanding health.

Health Science

Clinical Nutrition

Naturopathy

Western Herbal Medicine

Areas of study: Biochemistry, biological foundations, botany, clinical assessment, complementary medicine foundations, evidence-based practice, food science, food as medicine, herbal pharmacology, herbal material medica, herbal therapeutics, human structure and function, human systems and pathophysiology, nutrition, nutritional therapeutics.

Health Science (Dip)

Areas of study: Biological foundations, clinical assessment, complementary medicine foundations, foundations of public health, human structure and function, human systems and pathophysiology, pre-clinical studies.

Information Technology

Information Technology (Dip)

Areas of study: Computer architecture and operating systems, programming, data and networking, cloud computing, interaction design, information systems, database systems, data science.

Interior Design

Commercial

Residential

Areas of study: Interior design practice, modelling for spatial projects, spatial environment design, systems and documentation, ideas and innovation in design, design studio 1 and 2, the culture of design, design context.

Interior Design and Decoration (Dip)

Areas of study: Design studio, design process, commercial design, construction and CAD, design drawing, graphic communication, interior built environment, materials and finishes, product knowledge, spatial environment design.

Marketing (Dip)

Areas of study: Business fundamentals, business to business marketing, customer experience management, digital marketing trends and development, identifying consumer behaviour, integrated marketing communications, marketing and audience research, organisational creativity and innovation, strategic marketing planning, understanding people and organisations.

Nursing

Areas of study: Administer and monitor medications, health assessment, human biology and disease, self care, sociology of health and illness, structure and function of human body.

Nutrition

Nutrition (Dip)

Areas of study: Biological foundations, food as medicine, food science, human nutrition, human structure and physiology, lifespan nutrition, nutrition and society, nutritional biochemistry, foundations of public health.

Photography and Photo Imaging (Dip)

Areas of study: Camera and capture, commercial photography, digital imaging, domestic portraiture, folio, light and lighting, media and documentary, motion design, post-production, professional practice, visual language of photography.

Software Engineering (Artificial Intelligence)

Areas of study: Algorithms and data structures, concepts in AI, game programming, introduction to software engineering, mathematics, microservices architecture.

Software Engineering (Game Programming)

Areas of study: 2D game programming, algorithms and data structure, computer architecture and operating systems, computer graphics, introduction to software engineering, networking and database systems.

Software Engineering (Dip)

Areas of study: Algorithms and data structures, concepts in AI, game programming, introduction to software engineering, mathematics, microservices architecture.

Sport Development (Dip)

Areas of study: Athlete health and wellbeing, coaching practices, essentials of sports marketing, event management, high performance training and injury management principles, sports management.

UX and Web Design

UX and Web Design (Dip)

Areas of study: Design context, design studio, interaction design, Javascript fundamentals, typography.

Combined courses

Refer to the assumed knowledge and recommended studies for both components of the combined degrees.

- Business/ Communication Design
- Business/ Interior Design (Commercial)
- Business/ Interior Design (Residential)

Get in touch

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Bruce ACT 2617



Scan for general information about UC, including admission criteria, or go to uac.edu.au/uc.



Read this first

- When you read 'any 2 units of science' this can include Biology, Chemistry, Physics, Earth and Environmental Science or Investigating Science.
- Where a course is offered at the Canberra campus, both the NSW and ACT subject requirements are listed

Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations within the course.

Accounting

Areas of study: Auditing, corporate law, finance, financial and management accounting, information systems, tax law.

Recommended studies: **ACT:** Mathematics T/Mathematic Applications and English (major). **NSW:** Mathematics Advanced and English Advanced.

Arts

Additional selection criteria: Students may be considered for entry based on portfolio submission and/or interview via UC's portfolio admissions pathway.

Creative Writing

Areas of study: Creative writing, literary studies, narrative non-fiction, poetry, screenwriting, writing for various media, writing for young people.

Culture and Heritage

Areas of study: Conservation, cultural heritage practice, heritage studies, Indigenous studies, museum studies.

Digital Media

Areas of study: 3D, animation and motion capture, augmented reality, digital photography, game art, sound design, virtual reality, visual effects.



Film Production

Areas of study: Cinematography, directing, documentary, editing, film making, lighting, videography.

Global Studies

Areas of study: Activism, environmental policy, global ethics, international development, international studies, philosophy, world culture.

Building and Construction Management

Areas of study: Building and construction management, building materials, building processes, built design, management, negotiation, quantity surveying, supervision techniques.

The Built Environment

Additional selection criteria: Students may be considered for entry based on portfolio submission and/or interview. via UC's portfolio admissions pathway.

Architecture

Areas of study: Architecture design, architecture history and theory, built design, digital production, technology and sustainability, urban built environment.

Interior Architecture

Areas of study: Architecture design, digital design, human interaction with interior spaces, interior architecture, interior environments, urban built environment.

Landscape Architecture

Areas of study: Architecture design, landscape architecture, public and private outdoor design, urban and regional spaces, urban built environment.

Business

Entrepreneurship and Innovation

Areas of study: Business start-ups, entrepreneurial management, human resources management, Indigenous entrepreneurship, innovation, marketing.

Human Resources Management

Areas of study: Human resource management, organisational behaviour, workplace law.

International Business

Areas of study: Economic development, global e-business, international business, international marketing.

Management

Areas of study: Entrepreneurial management, human resources, public sector management, sustainable business futures, workplace law.

Marketing

Areas of study: Consumer behaviour, digital marketing, international marketing, marketing management, relationship marketing, services management.

Services Management

Areas of study: Business models and value creation, consumer behaviour, service management, service systems and wellbeing.

Sport Management

Areas of study: High performance sport, sport stakeholder engagement and leadership; innovation, sponsorship and marketing; sport competitions and events; sport law, governance and policy.

Business (Dip)

Areas of study: Accounting, business, finance, law, management, marketing.

Business Informatics

Areas of study: Business intelligence systems, cloud computing, corporate strategy and IT governance, cyber security, data science, enterprise systems, information security, Internet of Things, social informatics.

Recommended studies: **ACT:** English T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major). **NSW:** English Advanced, Mathematics Advanced.

Commerce

Accounting

Areas of study: Auditing, corporate law, finance, financial and management accounting, information systems, tax law.

Recommended studies: **ACT:** English T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major). **NSW:** English Advanced, Mathematics Advanced.

Accounting and Finance

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 Advanced.

Business Economics

Areas of study: Professional economics.

Recommended studies: **ACT:** English T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major). **NSW:** English Advanced, Mathematics Advanced.

Finance and Banking

Areas of study: Business finance, financial institutions and markets, investments, risk management.

Recommended studies: **ACT:** Mathematics T/Mathematic Applications, English (major). **NSW:** Mathematics Advanced, English Advanced.

Financial Planning

Areas of study: Business law, investments, personal financing, retirement planning.

Recommended studies: **ACT:** Mathematics T/Mathematic Applications, English (major). **NSW:** Mathematics Advanced, English Advanced.

Communication and Media

Additional selection criteria: Students may be considered for entry based on portfolio submission and/or interview via UC's portfolio admissions pathway.

Corporate and Public Communication

Areas of study: Campaign strategy and planning, communication and media studies crisis and issues management, digital and social media, media relations, multimedia content creation, public affairs, public relations, reputation management, stakeholder engagement, visual communication basics.

Journalism

Areas of study: Communication studies, content creation, data journalism, digital communication, digital curation, editorial decision making, mobile reporting, media studies, multiplatform journalism (audio, video, online, and social media), social media production.

Marketing Communication

Areas of study: Communication studies, cross-platform digital communication, marketing communication, media engagement, media studies, strategic and brand development.

Sports Media

Areas of study: Audio, communication studies, digital communication, match and event reporting, media studies, multiplatform sport journalism, online and social media production, public relations, radio and TV studio presenting, sports broadcasting, video, visual and audio studies.

Communication (Dip)

Areas of study: Communication studies, corporate and public communication, journalism, marketing communication, sports media.

Creative Industries - TAFE Queensland

Applied Fashion

Areas of study: Brand contextualisation, design, fashion globalisation, manufacturing and pattern cutting, sustainable and ethical practices.

Additional selection criteria: Additional to the normal admission requirements, students must also have a successful portfolio application. If you have completed a qualification from TAFE Queensland you may be eligible for direct entry into this course without a portfolio application.

Acting and Performance

Areas of study: Acting, voice and body techniques, animatouring, dramaturgy, entrepreneurial skills, musical skills, performance making skills, performance projects, performance theory, performance writing, screen and TV studies, theatre directing, theatre history and theory.

Additional selection criteria: Additional to the normal admission requirements, students must also have a successful interview and portfolio.

Contemporary Music Practice

Areas of study: Commercial music performance, contemporary musicianship, screen music, song writing, stylistic techniques and production, synthesis and sampling.

Additional selection criteria: Additional to the normal admission requirements, students must also have a successful audition. If you have completed a qualification from TAFE Queensland or Music Industry College, you may be eligible for direct entry into this course without an audition.

Drama and Performance

Areas of study: Animating, community engagement, dramaturgy, entrepreneurial skills, introduction to acting, voice and body techniques, musical skills, performance making skills, performance projects, performance theory, performance writing, theatre directing, theatre history and theory.

Visual Arts

Areas of study: 2D media and 3D forms; art history and contemporary art; curating and art communities: figure/portrait and landscape/environment.

Additional selection criteria: Additional to the normal admission requirements, students must also have a successful interview. If you have completed a qualification from TAFE Queensland you may be eligible for direct entry into this course without an interview.

Design

Additional selection criteria: Students may be considered for entry based on portfolio submission and/or interview. via UC's portfolio admissions pathway.

Industrial Design

Areas of study: Communication skills, design, design manufacturing, digital manipulation, digital techniques, fabrication, industrial design, materials and production processes, product development.

Recommended studies: **ACT:** Mathematical Methods T (Major)/ Specialist Mathematics T (Major), English T (Major).
NSW: Mathematics Advanced, English Advanced.

Interaction Design

Areas of study: Building human-centric interaction systems, design, digital environments, digital product design, digital products, digital systems, media platforms, technology, web development.

Recommended studies: **ACT:** Mathematical Methods T (Major)/ Specialist Mathematics T (Major), English T (Major).
NSW: Mathematics Advanced, English Advanced.

Visual Communication Design

Areas of study: Colour theory, design culture, digital communication, environmental graphics, graphic design, infographics, layout design, logo design, packaging design, print-based design, publication design, typography, visual branding design, visual communication design.

Recommended studies: **ACT:** English T (Major). **NSW:** English Advanced.

Design (Dip)

Areas of study: Architecture, building and construction management, industrial design, interaction design, interior architecture, landscape architecture, visual communication design.

Recommended studies: **ACT:** English T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major). **NSW:** English Advanced, Mathematics Advanced.

Digital Design - TAFE Queensland

Digital Media

Areas of study: 3D modelling, animation and motion capture, augmented reality, digital photography, sound design, visual effects.

Game Design

Areas of study: 3D modelling, animation and motion capture, augmented reality, game art, game design, game production, virtual reality.

Visual Communication Design

Areas of study: Communication studies, design, environmental graphics, information organisation, layout design, logotype design, new technologies, packaging and digital design, print based design, publication design, typography, visual communication design, web based design.

Recommended studies: **ACT:** Mathematical Methods T (Major)/ Specialist Mathematics T (Major), English T (Major).

NSW: Mathematics Advanced, English Advanced.

Education

Early Childhood and Primary

Areas of study: Early childhood education (birth to Year 6), early learning education (philosophies, practices and applications), key learning areas, literacy and numeracy, 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 Advanced.

Primary

Areas of study: Key learning areas, primary curriculum and pedagogy, primary education, teacher professional practice.

Recommended studies: **ACT:** English T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major). **NSW:** English Advanced, Mathematics Advanced.

Primary (Creative Arts)

Areas of study: Creative arts education (including dance, drama, media arts, music, visual arts), key learning areas, literacy and numeracy, 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 Advanced.

Primary (Health and Physical Education)

Areas of study: Health and physical education, key learning areas, literacy and numeracy, 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 Advanced.

Primary (STEM)

Areas of study: Disciplines involved in science, technology and mathematics (STeM) education, key learning areas, literacy and numeracy, 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 Advanced.

Secondary (Arts)

Areas of study: Key learning areas, secondary curriculum and pedagogy, secondary education, teacher professional practice.

Recommended studies: **ACT:** English T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major). **NSW:** English Advanced, Mathematics Advanced.

Secondary (Health and Physical Education)

Areas of study: Key learning areas, secondary curriculum and pedagogy, secondary education, teacher professional practice.

Recommended studies: **ACT:** English T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major). **NSW:** English Advanced, Mathematics Advanced.

Secondary (Science)

Areas of study: Key learning areas, secondary curriculum and pedagogy, secondary education, teacher professional practice.

Recommended studies: **ACT:** English T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major). **NSW:** English Advanced, Mathematics Advanced.

Engineering

Areas of study: Network and software engineering, robotics and artificial intelligence.

Recommended studies: **ACT:** Mathematical Methods T (Major)/ Specialist Mathematics T (Major). **NSW:** Mathematics Advanced, English Advanced.

Software Engineering

Areas of study: Cloud computing and Internet of Things, cyber security, data science, mobile technologies, robotics and artificial intelligence, software engineering, system software, technology and engineering management.

Recommended studies: **ACT:** Mathematical Methods T (Major)/ Specialist Mathematics T (Major). **NSW:** Mathematics Advanced, English Advanced.

Event and Tourism Management

Areas of study: Event and tourism management.

Exercise Physiology and Rehabilitation*

Areas of study: Exercise physiology, exercise prescription, exercise science.

Recommended studies: **ACT:** Biology T (Major), or Human Biology T (Major) or Exercise Science T (Major), Mathematical Methods T (Major). **NSW:** Biology, Mathematics Advanced.

Health Science

Areas of study: Anatomy and physiology, evidence-based medicine and data use, health ethics and the law, Indigenous health, psychology, public health

Human Movement

Areas of study: Anatomy and physiology, biomechanics, exercise physiology, exercise programming, health science, human physical performance.

Nutrition Studies

Areas of study: Health science, nutrition practice and food science, physiology.

Recommended studies: **ACT:** Biology T (Major), Mathematical Methods T (Major). **NSW:** Biology, Mathematics Advanced.

Health (Dip)

Areas of study: Health science, human movement, human nutrition, nutrition studies, psychology.

Human Nutrition

Areas of study: Human nutrition.

Recommended studies: **ACT:** Chemistry T (Major), Mathematical Methods T (Major). **NSW:** Chemistry, Mathematics Advanced.

Information Technology and Systems

Business Informatics

Areas of study: Business intelligence systems, cloud computing, corporate strategy and IT governance, cyber security, data science, enterprise systems, information security, Internet of Things, social informatics.

Recommended studies: **ACT:** Mathematical Methods T (Major)/ Specialist Mathematics T (Major), English T (Major). **NSW:** Mathematics Advanced, English Advanced.

Information Technology

Areas of study: Cloud computing and Internet of Things, cyber security, data science, information technology, robotics and artificial intelligence, software systems architecture, web design and programming.

Recommended studies: **ACT:** Mathematical Methods T (Major)/ Specialist Mathematics T (Major), English T (Major). **NSW:** Mathematics Advanced, English Advanced.

Information Technology (Dip)

Areas of study: Information systems, software engineering.

Justice Studies

Areas of study: Advocacy and communication, justice studies, law reform.

Law

Law (Combined)

Areas of study: UC offers a range of combined Law courses in Arts, Business, Commerce, Communication and Media, Politics and International Relations and Psychology For more information, visit canberra.edu.au/future-students/study-at-uc/study-areas/law.

Recommended studies: **For Law:** **ACT:** English T (Major). **NSW:** English Advanced. **For the other areas of study:** Refer to the relevant entry requirements.

Medical Radiation Science*

Medical Imaging

Areas of study: Medical imaging, medical radiation science.

Recommended studies: **ACT:** Biology T (Major), Physics T (Major), Mathematical Methods T (Major). **NSW:** Biology, Physics, Mathematics Advanced.

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 Advanced.

Additional selection criteria: Supplementary application form, CV.

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 Advanced.

Occupational Therapy*

Areas of study: Occupational therapy.

Recommended studies: **ACT:** Mathematical Methods T (Major), English T (Major) plus Biology T (Major) or Human Movement T (Major). **NSW:** Mathematics Advanced, English Advanced plus Biology or Personal Development, Health and Physical Education (PDHPE).

Pharmacy*

Areas of study: Pharmacotherapeutics, pharmaceutical science, 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 Advanced plus Biology or Personal Development, Health and Physical Education (PDHPE) plus Chemistry or Physics.

Physiotherapy*

Areas of study: Physiotherapy interventions, physiotherapy 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 Advanced plus Biology or Personal Development, Health and Physical Education (PDHPE), plus Chemistry or Physics.

Politics and International Relations

Areas of study: Politics and international relations.

All students must satisfy a security check for the national security internships.

Psychology

Areas of study: Cognition and learning, developmental psychology, motivation and emotion, personality and individual differences, physiological psychology, psychological science, psychopathology, research methods and statistics, social psychology.

Science

Areas of study: Core major In science and a major in either biomedical science, environmental science, human movement, nutrition science, chemical science or biological science.

Recommended studies: **ACT:** Mathematical Methods T (Major), Biology T (Major) and/or Chemistry T (Major). **NSW:** Mathematics Advanced, Biology and/or Chemistry.

Science (Biomedical Science)

Areas of study: Genetics and genomics, human biology, integrated studies of disease, microbiology, pathobiology, physiology.

Recommended studies: **ACT:** Mathematical Methods T (Major), Biology T (Major) and/or Chemistry T (Major). **NSW:** Mathematics Advanced, Biology and/or Chemistry.

Science (Environmental Science)

Areas of study: Applied ecology, earth science, environmental chemistry, environmental genetics, integrated environmental management, sustainable landscapes, water science.

Recommended studies: **ACT:** Mathematical Methods T (Major), Biology T (Major) and/or Chemistry T (Major). **NSW:** Mathematics Advanced, Biology and/or Chemistry.

Medical Science

Areas of study: Advanced physiology, analytical chemistry, anatomy and physiology, biological chemistry, genetics and genomics, human biology, immunology, integrated studies of disease, microbiology, pathobiology.

Recommended studies: **ACT:** Chemistry T (Major) and Mathematical Methods T (Major). **NSW:** Chemistry and Mathematics Advanced.

Science (Dip)

Areas of study: Biology, chemistry, physical science, science.

Social and Economic Policy

Economic Policy

Areas of study: Behavioural science, economics.

Sociology

Areas of study: Behaviour science, political and social theory, sociology.

Sport and Exercise Science*

Areas of study: Exercise science, sports science.

Recommended studies: **ACT:** Biology T (Major) or Human Biology T (Major), or Exercise Science T (Major), Mathematical Methods T (Major). **NSW:** Biology, Mathematics Advanced.

Vision Science*

Areas of study: Optical and vision sciences.

Recommended studies: **ACT:** Mathematical Methods (Major), Chemistry (Major), and Physics (Major). **NSW:** Mathematics Advanced, Physics, and Chemistry.

Combined degrees

If you intend to undertake combined degrees check the assumed knowledge and recommended studies for both degrees. For more information on the approved combined degrees, contact the University of Canberra or visit canberra.edu.au/future-students/study-at-uc/study-areas.

**All students to this course are required to undergo a National Police Check and obtain a Working with Vulnerable People registration card prior to undertaking clinical experience. All students are also required to present an immunisation history and first aid certificates, including CPR.*



CRICOS provider number: 00003G
TEQSA provider ID: PRV12054

Get in touch

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In person

Student Success
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Scan for general information about UNE, including admission criteria, or go to uac.edu.au/une.



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 2 units of science' this can include Biology, Chemistry, Physics, Earth and Environmental Science or Investigating 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 generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations within the course.

Accounting

Areas of study: Accounting, advanced accounting, agribusiness, business law, economics, finance, information systems, managing organisations and people, RG146 financial planning, tax practitioner.

Assumed knowledge: Any 2 units of English.

Recommended studies: Any 2 units of mathematics.

Agribusiness

Areas of study: Accounting, agribusiness, economics, finance, marketing and management, rural science, technology and data analytics.

Assumed knowledge: Any 2 units of English.

Recommended studies: Any 2 units of mathematics.



Agricultural and Resource Economics

Assumed knowledge: Any 2 units of English.

Recommended studies: Any 2 units of mathematics.

Agriculture

Areas of study: Agricultural technology, agriculture, agronomy, animal production, animal science, farm management, plant production, precision agriculture, primary industries, wool science.

Assumed knowledge: Any 2 units of English, any 2 units of mathematics.

Recommended studies: Agriculture, Biology and/or Chemistry.
For Agricultural Technology: Mathematics Advanced.

Agriculture/Business

Areas of study: Accounting, agribusiness, agriculture, animal and plant production, international business, marketing.

Assumed knowledge: Any 2 units of English, any 2 units of mathematics.

Recommended studies: Agriculture, Biology and/or Chemistry.

Animal Science

Areas of study: Livestock science and animal bioscience; minors including, business, genetics, nutrition and physiology, research methods, sheep and wool, sustainability and wildlife.

Assumed knowledge: Any 2 units of English, Chemistry, Mathematics Advanced.

Recommended studies: Biology.

Arts

Areas of study: Ancient history, archaeology, Australian history, Chinese (Mandarin), classical languages (Greek/Latin), community development, community planning, crime and society, criminal justice, counselling, environmental futures, English, French, gender studies, global politics, German, history, human geography, Indigenous studies, Indonesian, international law, Italian, Japanese, linguistics, medieval and modern Europe, music, peace studies, philosophy, physical geography, planning and design, politics, psychology, screen and media studies, sociology, Spanish, studies in religion, theatre and performance, writing.

Assumed knowledge: Any 2 units of English.

Business

Areas of study: Accounting, agribusiness, business analytics and informatics, economics, finance, human resource management, international business, management, marketing.

Assumed knowledge: Any 2 units of English.

Recommended studies: Any 2 units of mathematics.

Computer Science

Areas of study: Artificial intelligence, cybersecurity, data science, software development.

Assumed knowledge: Mathematics Advanced.

Recommended knowledge: Mathematics Extension 1.

Criminology

Areas of study: Crime, justice and society, criminal justice processes and forensics, justice and Indigenous peoples, psychology.

Assumed knowledge: Any 2 units of English.

Economics

Areas of study: Applied econometrics, economic development, economics, environmental analysis and policy.

Assumed knowledge: Any 2 units of English.

Recommended studies: Any 2 units of mathematics.

Education

Early Childhood and Primary

Assumed knowledge: Any 2 units of English and any 2 units of mathematics (Band 4 for primary teaching).

Recommended studies: Minimum of three Band 5 (or E3) HSC results, including one in English; Band 4 in mathematics.

See course entry requirements at my.une.edu.au/courses for full details.

K-12 Teaching

Assumed knowledge: Any 2 units of English and any 2 units of mathematics.

Recommended studies: Minimum of three Band 5 (or E3) HSC results, including one in English; Band 4 in mathematics.

For Secondary Mathematics: Mathematics Extension 1.

See course entry requirements at my.une.edu.au/courses for full details.

K-6 Teaching

Special and Inclusive Education (Primary)

Assumed knowledge: Any 2 units of English, any 2 units of mathematics (Band 4 for primary teaching).

Secondary Arts

Secondary Mathematics

Secondary Science

Secondary Music (Distance only)

Assumed knowledge: Any 2 units of English, any 2 units of mathematics. **For Secondary Science:** Any 4 units of science.

For Secondary Music: Any 2 units of music.

Recommended studies: For Secondary Mathematics and Secondary Science: Mathematics Extension 1.

Additional selection criteria: Admission to B Education (Secondary Music) requires:

- a performance standard equivalent to Grade 6 of the Australian Music Examinations Board demonstrated via audition or music performance qualification, and
- a musical theory standard equivalent to Grade 4 of the Australian Music Examinations Board demonstrated via music performance qualifications or successful completion of a musical theory test, and
- a personal statement assessed by the discipline.

See course entry requirements at my.une.edu.au/courses for full details.

Environmental Science

Areas of study: Applied management, conservation and ecology, people and environment, vegetation and landscapes.

Assumed knowledge: Chemistry, Mathematics Advanced, any 2 units of English.

Recommended Studies: Biology, Earth and Environmental Science.

GeoScience

Areas of study: Applied geophysics, digital geological mapping by GIS, environmental geology, geochemistry, palaeontology, petrology, resource geology, sedimentology and structural geology.

Assumed knowledge: Any 2 units of English, Chemistry, Mathematics Advanced.

Recommended studies: Biology and/or Physics.

Historical Inquiry and Practice

Areas of study: Ancient world, Australian history, , archaeological practice, classical languages, economic history, European history, history, local, family and applied history, religious history, society and culture, writing and communication.

Assumed knowledge: Any 2 units of English.

Recommended studies: Any 2 units of history.

International Studies

Areas of study: Global politics and peace, international law, languages and culture, societies.

Assumed knowledge: Any 2 units of English.

Languages

Areas of study: Chinese (Mandarin), French, German, Indonesian, Italian, Japanese, Spanish.

Assumed knowledge: Any 2 units of English.

Law

Law (double degrees)

Assumed knowledge: For Law: Any 2 units of English.

For the other area of study: Refer to the relevant entry.

- 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 2 units of English.

Medicine Science and Doctor of Medicine

The medical program is offered jointly by the University of Newcastle and the University of New England.

Areas of study: Medicine.

Recommended studies: Any 2 units of English.

Additional selection criteria: Direct University Joint Medical Program application form, University Clinical Aptitude Test (UCAT), Multiple Skills Assessment (interview), Personal Qualities Assessment.

Music (Distance only)

Assumed knowledge: Any 2 units of English.

Recommended studies: Any 2 units of music.

Additional selection criteria: Admission to B Music requires:

- a performance standard equivalent to Grade 6 of the Australian Music Examinations Board demonstrated via audition or music performance qualification, and
- a musical theory standard equivalent to Grade 4 of the Australian Music Examinations Board demonstrated via music performance qualifications or successful completion of a musical theory test, and
- a personal statement assessed by the discipline.

Nursing

Assumed knowledge: Any 2 units of English, any 2 units of science.

Pharmacy with Honours

Assumed knowledge: Chemistry, Mathematics Advanced.

Recommended studies: Biology, Mathematics Extension 1 or 2.

Psychological Science

Assumed knowledge: Any 2 units of English.

Recommended studies: Any 2 units of mathematics.

Psychology

Assumed knowledge: Any 2 units of English.

Recommended studies: Any 2 units of mathematics.

Rural Science

Areas of study: Agricultural systems, animal and plant breeding, animal and plant nutrition, animal and plant physiology, biochemistry, cotton and grain production, farm management, horticultural science, meat science, pasture and crop agronomy, post-harvest technology, precision agriculture, sheep and wool science, soil science.

Assumed knowledge: Chemistry, Mathematics Advanced, any 2 units of English.

Recommended studies: Biology and/or Physics.

Science

Biomedical

Areas of study: Anatomy and physiology, biochemistry, biology, chemistry, genetics, immunology and haematology, microbiology, molecular and cellular biology, pathophysiology, physiology.

Assumed knowledge: Mathematics Advanced.

Recommended studies: Biology plus Chemistry 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 Advanced.

Recommended studies: Depending on degree subjects chosen, Biology, Chemistry and/or Physics.

Scientific Studies

Areas of study: Same as Science. This degree is a pathway for students who did not complete science subjects in the HSC or equivalent to transition to a science degree of their choice.

Recommended studies: Any 2 units of English.

Social Science

Areas of study: Crime and society, criminal justice, linguistics, organisational management, politics and peace studies, studies in settler colonialism (indigenous content), psychology, social philosophy, sociology, urban and regional studies.

Assumed knowledge: Any 2 units of English.

Recommended studies: *For psychology major:* Any 2 units of mathematics.

Social Work

Recommended studies: Any 2 units of English.

Sports and Exercise Science

Clinical Exercise Physiology

Exercise and Sports Science

Assumed knowledge: Any 2 units of mathematics, Personal Development, Health and Physical Education (PDHPE) and/or any 2 units of science.

Recommended studies: Chemistry and/or Biology.

Sustainability

Areas of study: Community engagement and development, cultural heritage management, environmental governance, environmental resilience, governance and regulation, sustainable development, water sustainability.

Assumed knowledge: Any 2 units of English.

Recommended studies: Any 2 units of mathematics.

Urban and Regional Planning

Areas of study: Architecture and urban design, economic planning, environmental and planning law, environmental planning, geography, geographic information systems and climate change, land use planning, natural resource management, planning practice, population studies, professional ethics, social planning, transport planning, urban and regional planning.

Assumed knowledge: Any 2 units of English.

Zoology

Areas of study: Animal behaviour, animal ecology, animal physiology, applied zoology, conservation biology, environmental and comparative physiology, evolution and biogeography, entomology, freshwater ecology, invertebrate and vertebrate zoology, natural history, paleobiology, parasitology, physical anthropology, wildlife ecology.

Assumed knowledge: Chemistry, Mathematics Advanced, any 2 units of English.

Recommended studies: Biology.

Combined degrees

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

- Agriculture/Business
- Arts/Business
- Arts/Science
- Business/Economics.

Contact the University for further details.

Double degrees in Law are also offered. Refer to Law entry for details.



CRICOS provider number: 00109J
TEQSA provider ID: PRV12056

Get in touch

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In person

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Newcastle – City Precinct

Student Central City, Level 1
409 Hunter Street
Newcastle NSW 2300

Central Coast – Ourimbah

Student Central, Library IRC101
10 Chittaway Road, Ourimbah NSW 2258

Central Coast – Gosford

The Clinical School and Research Institute
Block A, Health and Wellbeing Precinct, Gosford Hospital Campus
77 Holden Street, Gosford NSW 2250



Scan for general information about UoN, including admission criteria, or go to uac.edu.au/uon.



Read this first

- The University of Newcastle's Early Entry Program allows students to receive an offer before the HSC exams. Early offers are contingent on students completing the HSC. For more information, visit newcastle.edu.au/early.
- Not all campuses offer all courses and areas of study. Visit the University website for course locations.
- When you read 'any 2 units of science' this can include Biology, Chemistry, Physics, Earth and Environmental Science or Investigating Science.
- Refresher and preparation courses are available for students who may not have the recommended studies or assumed knowledge requirements. Preparation courses cover mathematics, chemistry, physics and other specific academic skills. For information about preparation courses, visit newcastle.edu.au/nuprep.
- All programs are subject to routine review. For latest information, refer to newcastle.edu.au/study/undergraduate.



Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations within the course.

Arts

Areas of study: Ancient history; Chinese; creative and performing arts; education; English and writing; film, media and cultural studies; French; gender and sexuality studies; German; global Indigenous studies; history; human geography and the environment; information technology; Japanese; linguistics; politics and international relations; psychology studies; sociology and anthropology; studies of religion; violence studies; writing studies.

Note: Areas of study are subject to change and not all are available on both campuses. A suite of minors and majors are available online.

Recommended studies: *For psychology studies**: Mathematics Advanced. *For all other majors:* English Advanced.

**Psychology studies are not accredited by the Australian Psychology Accreditation Council.*

Biomedical Science

Areas of study: Anatomy, bioinformatics, cell and molecular biology, experimental design and analysis, genetics and immunology, medical biochemistry, microbiology, neuroscience, nutritional science, pathophysiology, pharmacology, physiology.

Assumed knowledge: Mathematics Advanced, Chemistry, Physics, Biology.

Biotechnology

Areas of study: Biochemistry, bioethics, biotechnology, biotechnology finance and commercialisation, cell and molecular biology, DNA technology, microbiology, molecular genetics, reproductive physiology.

Assumed knowledge: Mathematics Advanced, Chemistry.

Recommended studies: Biology, Physics.

Business

Areas of study: Entrepreneurship and innovation, governance, human resource management, international business, leadership and management, marketing, policy and political economy, sports management and tourism management.

Assumed knowledge: Mathematics Advanced.

Business Analytics

Areas of study: AI for business, big data, business analytics, business intelligence, business modelling, data management, data visualisation and effective communication,

Assumed knowledge: Any 2 units of English, Mathematics Advanced.

Climate Science and Adaptation

Areas of study: Climate change and resource management, climate and energy, earth processes, environmental sustainability, human geography, river basin processes, spatial science, statistics, sustainable energy.

Assumed knowledge: Mathematics Advanced.

Coastal and Marine Science

Areas of study: Animal biology, biodiversity and conservation, coastal and surface processes, coastal infrastructure, environmental regulation, geography, politics and policy.

Assumed knowledge: Mathematics Advanced.

Commerce

Areas of study: Accounting, economics, finance.

Assumed knowledge: Mathematics Advanced.

Computer Science

Areas of study: Computer systems and robotics, cyber security, data science, or software development. The program also includes courses in advanced programming techniques, algorithms, artificial intelligence and machine learning, compilers, computer graphics, computer networks, data mining, data security, databases and different programming languages, experimental and theoretical aspects in computer science, fundamentals of software development, human computer interaction, object-oriented technologies, operating systems, software verification, systems, theory of computation and web engineering.

Assumed knowledge: Mathematics Advanced (Band 5).

Recommended studies: Mathematics Extension 1.

Construction Management

Areas of study: Building information modelling, construction management, construction technology, environmentally sustainable development, estimating, information and communication technology, project management, quantity surveying and estimating, risk management.

Recommended studies: Any 2 units of English, Mathematics Advanced.

Criminology

Areas of study: Causes of crime, criminal behaviour, criminal justice institutions, legal studies, psychology, sociology, victimology.

Recommended studies: English Advanced.

Data Science

Areas of study: Data wrangling and visualisation, statistical modelling, programming, data security, applied artificial intelligence including machine intelligence, statistical inference, database and information management, data structures, algorithms, data mining, machine intelligence, business analysis.

Recommended studies: Mathematics Extension 1.

Design (Architecture)

Areas of study: Architectural design, architectural history and theory, architectural technology, professional practice.

Recommended studies: Any 2 units of English, Ancient History or Modern History, plus one or more of Visual Arts, Design and Technology, Industrial Technology.

Development Studies

Areas of study: Cultures and citizenship, environmental sustainability, globalisation and economic development, urban and regional development.

Recommended studies: Any 2 units of English.

Education

Early Childhood and Primary

Areas of study: Aboriginal education, behaviour management, children's learning and growth across the span of birth-12 years, ethics and professional codes of conduct, families and society, language and mathematical learning, policy and issues, programming and planning for children aged 0-5 years, psychology of learning and teaching, special education.

Assumed knowledge: HSC Band 5 results in a minimum of three subjects, one of which must be English; Band 4 in mathematics.

Primary

Areas of study: Primary teaching in all of the primary subjects including English; Mathematics; Science and Technology; Personal Development, Health and Physical Education; Creative Arts; and Human Society and its Environment; plus, an in-depth study which can be in special education or one of the subjects listed above.

Assumed knowledge: HSC Band 5 results in a minimum of three subjects, one of which must be English; Band 4 in mathematics.

Secondary

Areas of study: Aboriginal studies, ancient history, biology, business studies, chemistry, computing information systems and software design, design and technology, drama, earth and environmental science, economics, English, food technology, geography, health and physical education, humanities, industrial technology engineering, industrial technology graphics and multimedia, information processes and technology, investigating science, languages (Chinese, French, German, Japanese), legal studies, mathematics, modern history, physics, science, society and culture, special education, STEM, studies of religion, teaching English as a second language, technology, textiles and design, visual arts.

Assumed knowledge: HSC Band 5 results in a minimum of three subjects, one of which must be English.

Engineering

Aerospace

Areas of study: Aerospace design and materials, aircraft operations and performance, avionics, embedded systems engineering, principles of flight, propulsion.

Assumed knowledge: Mathematics Advanced (Band 5), any 2 units of science (Physics or Chemistry preferred).

Recommended studies: Mathematics Extension 1 plus Physics or Chemistry.

Chemical

Areas of study: Chemical engineering with specific courses in catalytic processing, coal and mineral processing, design of clean and economical processes, environmental processing and safety, fundamental process-engineering, liquids and gases, process control, project management and research, reactions and separations across solids.

Assumed knowledge: Mathematics Advanced (Band 5), any 2 units of science (Physics or Chemistry preferred).

Recommended studies: Mathematics Extension 1 plus Physics or Chemistry.

Civil

Areas of study: All of our Civil Engineering students complete courses in the three core civil specialisations of structural, water and geotechnical engineering. Areas of study include: Engineering design, fluid mechanics, geotechnical engineering, materials, pollution control, project and asset management, risk assessment, structural engineering, surveying, transportation engineering and water treatment, water resources engineering.

Assumed knowledge: Mathematics Advanced (Band 5).

Recommended studies: Mathematics Extension 1, any 2 units of science.

Computer Systems

Areas of study: Communication networks, computer architecture, computer engineering, digital systems design, distributed systems, electronics, embedded systems, engineering management and systems, programmable logic design, software engineering, systems design, web engineering.

Assumed knowledge: Mathematics Advanced (Band 5).

Recommended studies: Mathematics Extension 1, any 2 units of science.

Electrical and Electronic

Areas of study: Analog and digital communications, automatic control, computer engineering, electric energy systems, electric machines and power systems, electrical engineering design, electronics, engineering mathematics, physics, procedural programming, signals and systems.

Assumed knowledge: Mathematics Advanced (Band 5).

Recommended studies: Mathematics Extension 1, any 2 units of science.

Environmental

Areas of study: Biology, chemical engineering, chemistry, environmental planning and design, fluid mechanics, geotechnical engineering, land and water management, surface and groundwater pollutant transport, waste treatment, water engineering.

Assumed knowledge: Mathematics Advanced (Band 5).

Recommended studies: Mathematics Extension 1, any 2 units of science.

Mechanical

Areas of study: Advanced computer-aided engineering, bulk solids handling, design of machines and processes, engineering management and advanced materials, fluid mechanics, heat transfer, properties and uses of materials, thermodynamics.

Assumed knowledge: Mathematics Advanced (Band 5).

Recommended studies: Mathematics Extension 1, any 2 units of science.

Mechatronics

Areas of study: Advanced control design, autonomous systems, electronics design, embedded systems design, mechanical design and software design, robotics, sensors and actuators, vehicle dynamics.

Assumed knowledge: Mathematics Advanced (Band 5).

Recommended studies: Mathematics Extension 1, any 2 units of science.

Medical

Areas of study: *Majors:* Medical biomechanics, medical computing, medical devices or medical signal analysis. You will also take courses in analog and digital communications, engineering design and neurobiology, human pathophysiology, pharmacology, programming and computing.

Assumed knowledge: Mathematics Advanced (Band 5).

Recommended studies: Mathematics Extension 1, any 2 units of science.

Mining transfer program

The Mining Engineering degree is comprised of two years' study at UON. Upon successful application through UAC the remaining two years are undertaken at UNSW Sydney or the University of Wollongong. The studies undertaken at UON are the same as the first two years of our Civil Engineering program. For areas of study, assumed knowledge and recommended studies refer to the Civil Engineering entry.

Renewable Energy

Areas of study: Bioenergy, geothermal, grid integration, hydro and hybrid systems, power system design, solar, wind, plus electives in climate change policy, law and economics, social and environmental sciences.

Assumed knowledge: Mathematics Advanced (Band 5).

Recommended studies: Mathematics Extension 1, any 2 units of science.

Software

Areas of study: Computer and data security, computer architecture, computer networks, design and implementation, distributed processing, engineering management, fundamentals of computing, human computer interaction, object-oriented technologies, programming languages, real-time systems, software development methodology, software system analysis, system software and web engineering.

Assumed knowledge: Mathematics Advanced (Band 5).

Recommended studies: Mathematics Extension 1, any 2 units of science.

Engineering (Dip)

Areas of study: Civil engineering, computing, electrical engineering, mathematics, mechanical engineering, physics and software engineering. The Diploma in Engineering offers guaranteed entry pathway into all disciplines of the Bachelor of Engineering (Honours) degree.

Recommended studies: Mathematics Advanced.

Environmental Science and Management

Areas of study: Coastal and marine science and sustainability, ecosystems and biodiversity, natural resource and hazards.

Assumed knowledge: Mathematics Advanced plus Chemistry or Biology.

Exercise and Sport Science

Areas of study: Biomechanics; exercise physiology; exercise testing and prescription; growth, development and ageing; motor control and learning; sport and exercise psychology; sports nutrition.

Assumed knowledge: At least two of Biology, Chemistry, Mathematics Advanced, Physics.

Recommended studies: Personal Development, Health and Physical Education (PDHPE).

Food Science and Human Nutrition

Areas of study: Biomedical science, chemistry, food analysis, food and nutrition, food product development, functional foods and health claims, macronutrients, micronutrients, nutrition in health and disease, plant and animal food products.

Recommended studies: Biology, Chemistry, Mathematics Advanced.

Global Indigenous Studies

Areas of study: Entrepreneurship and innovation, film, gender and sexuality studies, global Indigenous studies, governance, human geography and the environment, human resource management, human services, information technology, media and cultural studies, policy and political economy, sociology and anthropology, writing studies. Some selected majors are available fully online.

Information Technology

Areas of study: Major in either business technology, interactive media or systems development. The program also includes courses in advanced programming techniques, algorithms, artificial intelligence and machine learning, computer graphics and networks, databases, programming languages and data mining, data security, computer science, software development, human computer interaction, object-oriented technologies, operating systems, software verification, systems, theory of computation, web engineering.

Assumed knowledge: Any 2 units of English.

Laws (Combined)

- | | |
|----------------------------------|--|
| ■ Arts/Laws | ■ Innovation and Entrepreneurship/Laws |
| ■ Biomedicine/Laws | ■ Media and Communication/Laws |
| ■ Business/Laws | ■ Psychological Science/Laws |
| ■ Commerce/Laws | ■ Science/Laws |
| ■ Criminology/Laws | ■ Social Science/Laws |
| ■ Development Studies/Laws | |
| ■ Global Indigenous Studies/Laws | |

Assumed knowledge: *For Laws:* None.

For other areas of study: Refer to the relevant entry.

Recommended studies: *For Laws:* None.

For other area of study: Refer to the relevant entry.

Mathematics

Mathematics (Advanced)

Areas of study: Applied mathematics, pure mathematics and statistics.

Assumed knowledge: Mathematics Advanced.

Recommended studies: Mathematics Extension 1.

Media and Communication

Areas of study: Animation, communication, experience creation, media production, news and digital media, public relations and strategic communication, user experience (UX) design.

Assumed knowledge: Any 2 units of English.

Medical Radiation Science (Diagnostic Radiography)

Areas of study: Anatomy and physiology, clinical education, instrumentation, physics, radiation protection, research methodology.

Assumed knowledge: Any 2 units of English plus Mathematics Advanced or Physics.

Medical Radiation Science (Nuclear Medicine)

Areas of study: Anatomy, molecular imaging, nuclear medicine instrumentation and radiopharmacy, nuclear medicine theory, patient care, physiology, psychology, research methodology.

Assumed knowledge: Any 2 units of English plus Mathematics Advanced or Physics.

Medical Radiation Science (Radiation Therapy)

Areas of study: Anatomy, behavioural science, clinical methods, imaging and treatment, oncology, statistics and research methodology.

Assumed knowledge: Any 2 units of English plus Mathematics Advanced or Physics.

Medicine

The medical program is offered jointly by the University of Newcastle and the University of New England.

Areas of study: Clinical medical and surgical specialties (eg respiratory and cardiovascular medicine, cancer treatment, orthopaedics), community and public health, hospital-based medicine, medical sciences, mental health, women's and children's health. Skills in research and the critical evaluation of evidence are also introduced.

Recommended studies: Any 2 units of English.

Additional selection criteria: Direct University Joint Medical Program application form, University Clinical Aptitude Test (UCAT), Multiple Skills Assessment (interview), Personal Qualities Assessment.

Midwifery

Areas of study: Care of the pregnant woman including antenatal, labour, birthing and postnatal care, care of the newborn baby, human bioscience.

Assumed knowledge: Any 2 units of English (Band 4), Mathematics Standard 2, Biology and/or Chemistry.

Recommended studies: English Standard.

Music and Performing Arts

Areas of study: Composition, creative production, music in the creative industries, music research and communication, performance (instrument, voice), songwriting.

Assumed knowledge: Music 1 or demonstrated musical experience or qualification equivalent to Music 1 or AMEB (Grade 6 to 8 pass).

Additional selection criteria: Audition (performance), interview (oral assessment), application (written assessment).

Nursing

Areas of study: Aged care; human bioscience; mental health; primary, secondary and tertiary nursing.

Assumed knowledge: Any 2 units of English plus Mathematics Standard 2, Chemistry and/or Biology.

Nutrition and Dietetics

Areas of study: Basic and applied sciences, dietetic practice, food service and management, medical nutrition therapy, paediatric nutrition and dietetics, professional practice, public health nutrition, social sciences, statistics and research methodology.

Recommended studies: Chemistry.

Occupational Therapy

Areas of study: Anatomy and physiology, behavioural and occupational therapy, biomedical, mental health, occupational sciences, psychology, sociology and community development, statistics and research methodology.

Recommended studies: Biology, Mathematics Advanced, Chemistry.

Oral Health Therapy

Areas of study: Clinical treatment for children, the elderly, Indigenous Australians and special needs groups; communication; dental therapy; health promotion; human bioscience and anatomy; oral pathology; periodontology; radiography.

Recommended studies: Biology, Chemistry.

Pharmacy

Areas of study: Anatomy and physiology, chemistry, dosage formulation, drug design and discovery, epidemiology, first aid, mental health, pharmacotherapeutics.

Assumed knowledge: Mathematics Advanced (Band 5), English Advanced, Chemistry, Physics.

Recommended studies: Mathematics Extension 1.

Physiotherapy

Areas of study: Advanced anatomy and physiology, clinical physiotherapy studies, community health, health promotion, research methodology.

Assumed knowledge: English Advanced, Chemistry plus Physics or Biology.

Podiatry

Areas of study: Anatomy, biomechanics, physiology, podiatric medicine.

Assumed knowledge: Chemistry, Mathematics Advanced.

Psychological Science

Psychological Science (Advanced)

Areas of study: Clinical and abnormal behaviour, cognition and information processing, developmental psychology, neuroscience, perceptual processes and learning theory, psychopharmacology, research methodology, social psychology and personality, statistics.

Assumed knowledge: Mathematics Advanced.

Science

Science (Advanced)

Areas of study: You can choose to study from the following majors:

Newcastle: Animal biology; biology; chemistry; chemistry of advanced materials; earth sciences; environmental and analytical chemistry; geography; geology; integrated geography; mathematics; medicinal and organic chemistry; physics; plant biology; psychology; statistics; sustainable resource management; water, climate and soil.

Central Coast: Biodiversity; coastal, conservation, ecological and marine sciences; conservation; environmental remediation; psychology; sustainable resource management.

Assumed knowledge: Mathematics Advanced.

Recommended studies: Biology and/or Chemistry and/or Physics depending on major area of study.

Social Science

Areas of study: Anthropology, criminology, global Indigenous studies, history, human geography and the environment, human resource management and industrial relations, human services, leisure and tourism management, linguistics, politics and international relations, psychology studies, sociology.

Recommended studies: English Advanced. Other related subjects, such as Geography, Ancient or Modern History, Community and Family Studies, Society and Culture are recommended depending on the intended major.

Social Work

Areas of study: Aboriginal studies; law for social work; psychology; social policy and planning; social work ethics; sociology.

Recommended studies: English Advanced, Society and Culture, Community and Family Studies, languages.

Speech Pathology

Areas of study: Biomedical science; linguistics; neuroscience and head and neck anatomy; psychology; speech pathology.

Recommended studies: Biology, Chemistry, Mathematics Advanced, English Advanced.

Surveying

Areas of study: Cadastral engineering and construction, geodesy, geographic information systems, geomatics, hydrographic surveying, land management, laser scanning, photogrammetry, satellite positioning, spatial information systems and computing, town planning and valuation, water resources.

Assumed knowledge: Mathematics Advanced (Band 5).

Recommended studies: Mathematics Extension 1, any 2 units of science.

Tourism, Hospitality and Events

Areas of study: Destination marketing, event leadership, leisure behaviour, managing volunteers, servicescapes design, tourism and cultural heritage, tourism strategy, tourism and sustainability.

Visual Communication

Areas of study: Animation; experience creation; graphic communication and typography; illustration; interaction and user experience design; media production; visual communication design.

Recommended studies: One or more of Visual Arts, Design and Technology, Textiles and Design, Industrial Technology.

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. Visit the University website for further details.

- | | |
|---|---|
| ■ Aerospace Systems/Engineering | ■ Development Studies/Social Science |
| ■ Arts/Innovation and Entrepreneurship | ■ Engineering/Business |
| ■ Arts/Science | ■ Engineering/Computer Science |
| ■ Business/Business Analytics | ■ Engineering/Engineering |
| ■ Business/Commerce | ■ Engineering/Mathematics |
| ■ Business/Innovation and Entrepreneurship | ■ Engineering/Science |
| ■ Commerce/Business Analytics | ■ Engineering/Surveying |
| ■ Commerce/Innovation and Entrepreneurship | ■ Environmental Science and Management/Business |
| ■ Criminology/Psychological Science | ■ Food Science/Business |
| ■ Data Science/Mathematics | ■ Information Technology/Business |
| ■ Data Science/Computer Science | ■ Music/Arts |
| ■ Development Studies/Business | ■ Psychological Science/Business |
| ■ Development Studies/Global Indigenous Studies | ■ Psychological Science/Media and Communication |
| ■ Development Studies/Media and Communication | ■ Psychological Science/Social Science |
| | ■ Science/Innovation and Entrepreneurship |
| | ■ Surveying/Business |

Combined programs in Laws are also offered. Refer to Laws entry for details.

Get in touch

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In person

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Chippendale NSW 2008



Scan for general information about UNDA, including admission criteria, or go to uac.edu.au/unda.

Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations within the course.

Accounting

Areas of study: Accounting for corporate entities, accounting theory, auditing, business law, economics, financial analysis and valuation, financial markets and instruments, history of Austrian economics, macroeconomic theory, microeconomic theory, taxation.

Recommended studies: Mathematics Advanced.

Advertising and Public Relations

Areas of study: Advertising design, consumer behaviour, creative advertising production, issues and crisis management, media and society, media planning, promotion, public relations writing, theories of communication.

Recommended studies: English Standard or English Advanced.

Arts

Areas of study: Advertising, applied psychology, counselling, English literature, film and screen production, history, journalism, liberal arts, philosophy, politics and international relations, social justice, sociology, theatre studies, theology, writing.

Recommended studies: English Standard or English Advanced. *For a major in theatre studies:* Drama.

For a minor in mathematics: Mathematics Advanced.

Arts (Politics and Journalism)

Areas of study: Politics, democracy and governance in Australia, history of western civilisation, world politics, media and society, journalism theory and practice, radio, television and video, media and politics, public relations, media ethics and law, online newsroom.

Recommended studies: English Standard or English Advanced.



Arts in Psychology

Areas of study: Cognition and learning, introduction to psychology, lifespan development, perception and decision making, psychopathology, research methods for psychology, social psychology.

Recommended studies: English Standard or English Advanced.

Business Administration

Areas of study: Business communication, consumer behaviour, innovation and entrepreneurship, leadership theory and practice, psychology of work, strategic management.

Recommended studies: Mathematics Advanced.

Commerce

Areas of study: Accounting, advertising, economics, finance, human resource management, management, marketing, public relations.

Recommended studies: Mathematics Advanced.

Communications and Media

Areas of study: Creative advertising, digital cultures, digital media production, feature writing, film and screen production, interactive media, journalism: theory and practice, media ethics and law, online newsroom, radio, screenwriting.

Recommended studies: English Standard or English Advanced.

Divinity

Areas of study: Catholic theology and associated disciplines, philosophy, sacred scripture.

Recommended studies: English Standard or English Advanced.

Education

Early Learning

Areas of study: Contemporary theories on child development and learning; holistic care for young children; inclusion and diversity in early childhood; language and literacy in early childhood; mathematical development; play as pedagogy; scientific and digital inquiry in early childhood; understanding and guiding children's behaviour.

Recommended studies: English Standard or English Advanced.

Primary Education

Areas of study: Academic skills; Australia and the world; curriculum pedagogy and assessment; dance and drama; English language and literacy; family and community partnerships in the early years or catholic teaching and history or research and enquiry in science education; foundational principles of teaching; the global citizen; health and physical education; inclusive education; mathematical understanding and fluency; mathematics and numeracy; learning and personal development; mathematics foundations and perspectives; music; professional engagement; reading and literacy in the early years; reading, viewing and listening; representing and speaking; science and technology; visual arts; working with Indigenous students; writing.

Recommended studies: Mathematics Advanced, English Standard or English Advanced.

Secondary Education

Areas of study: Academic skills; curriculum, pedagogy and assessment; foundation principles of teaching; inclusive education; learning and development; literacy, numeracy and ICT; professional engagement; teaching methods (junior), working with Indigenous students.

These courses are in addition to your choice of teaching area from: ancient history, business studies, drama, economics, English, legal studies, mathematics, modern history and studies of religion.

Recommended studies: English Standard or English Advanced, any 2 units of mathematics.

For teaching English: English Advanced.

For teaching Mathematics: Mathematics Advanced.

Human Resource Management

Areas of study: Change management, employment relations, human resource development, mediation and dispute resolution, psychology of work, strategic workforce issues.

Recommended studies: English Standard or English Advanced.

Laws

Laws (Combined)

- Laws/Arts
- Laws/Arts (Politics and Journalism)
- Laws/Commerce
- Laws/Communications and Media
- Laws/Human Resource Management
- Laws/Marketing and Public Relations
- Laws/Philosophy
- Laws/Philosophy, Politics, Economics
- Laws/Theology

Areas of study: Alternative dispute resolution, Australian tax law, bioethics and the law, canon law, civil procedure, commercial practices and ethics, constitutional law, contract law, corporations and partnerships, criminal law, entertainment law, environmental law, equity, evidence, family law, health law, human rights law, intellectual property law, law and religion, law in context, legal history, legal philosophy, legal research and writing, mining and petroleum law, property law, torts, trial advocacy, trusts.

For Laws/Arts: Law plus majors listed for Arts.

For Laws/Commerce: Law plus majors listed for Commerce.

Recommended studies: English Standard or English Advanced.

Marketing and Public Relations

Areas of study: Advertising and promotion, business research, corporate public relations, e-marketing, events management, international marketing, issues and crisis management, professional writing, strategic marketing.

Recommended studies: English Standard or English Advanced.

Nursing

Areas of study: Aboriginal and Torres Strait Islander Peoples health; acute care; clinical therapeutics; chronic illness; communication; critical care nursing; ethics and law; human body; leadership and governance; mental health care; nursing practice; paediatric nursing; palliative care nursing; primary health care; perioperative nursing; professional practice; rehabilitation and palliation; rural and remote nursing; research for practice; sociology; transition to practice.

Recommended studies: Biology, English Standard, Mathematics Standard 2.

Philosophy

Areas of study: Being and God; critical thinking, epistemology, faith and reason; history of philosophy; method and basic problems of philosophy; metaphysics; moral philosophy; natural law; philosophy of science; philosophy of the human person; political philosophy.

Recommended studies: English Standard or English Advanced.

Philosophy, Politics and Economics

Areas of study: Ancient philosophy; economics; introduction to world politics; macroeconomic theory and practice; microeconomic theory and policy; moral philosophy; philosophy of the human person; policy, democracy and governance in Australia; political philosophy; public policy and practice: the business of government; quantitative methods for business.

Recommended studies: English Standard or English Advanced, Business Studies, Economics.

Sport and Recreation Management

Areas of study: Management of human and physical resources, bio-physical, behavioural and socio-cultural, and the management of organisations and facilities in the sport and recreation sector.

Recommended studies: English Standard or English Advanced.

Theology

Areas of study: Christian spirituality; christology; church history; ecclesiology/mariology; eucharist; foundations of catholic theology; liturgy; marriage and sexuality; metaphysics – theories of being and existence; method and problems of philosophy; moral theology; philosophy of the human person; sacraments; Sacred scripture: Old and New Testaments, Pentateuch, Prophets and Psalms, Synoptic Gospels, Johannine Literature, Writings of Paul; trinity.

Recommended studies: Studies of Religion II plus English Standard or English Advanced.

Combined degrees

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. Visit the University website for further details.

- Commerce/Arts
- Commerce/Communications and Media
- Communications and Media/Arts
- Human Resource Management/Arts
- Marketing and Public Relations/Arts
- Marketing and Public Relations/Communications and Media
- Philosophy/Theology

Combined programs in Laws are also offered. Refer to Laws entry for details.

Get in touch

Student Centre
Level 3, Jane Foss Russell Building
The University of Sydney
NSW 2006

tel: 1800 SYD UNI (1800 793 864)
email: via sydney.edu.au/ask-domestic
website: sydney.edu.au



Scan for general information about USYD, including admission criteria, or go to uac.edu.au/usyd.



Read this first

- Some courses have a mathematics course prerequisite of Mathematics Advanced (Band 4) or Mathematics Extension 1 (Band E3) or Mathematics Extension 2 (Band E3). The mathematics prerequisite 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, even though you may have met the other admission criteria. Admission criteria may include ATAR (or equivalent), or ATAR (or equivalent) and additional selection criteria (eg interview/audition/portfolio). For more information visit sydney.edu.au/study/maths.
- The mathematics course prerequisite is required for courses in advanced computing, agriculture, commerce, dental medicine, economics, engineering, medicine, pharmacy, project management, psychology, science, and veterinary science, including combined courses.
- A course prerequisite of Band 5 in three HSC subjects (or equivalent), one of which must be English (English as an Additional Language or Dialect, English, Standard or English Advanced), is required for some education courses.
- Many courses include assumed knowledge. This means you are expected to have studied these subjects in your NSW HSC or equivalent, and you may be disadvantaged if you have not completed them. Some courses also require the study of certain subjects during your first year at university (eg mathematics, chemistry or physics). Bridging courses in Chemistry, Physics, Biology and Mathematics Extension 1 are offered for students who have not met the minimum assumed knowledge requirements. Bridging courses do not satisfy course prerequisites for degrees offered by the University of Sydney.
- Where assumed knowledge depends on majors or units chosen, see the relevant faculty handbook at sydney.edu.au/handbooks for the available subjects.

Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations within the course.

Advanced Computing

Areas of study: Computational data science, computer science, cyber security, software development.



Course prerequisites: Mathematics Advanced (Band 4) or Mathematics Extension 1 (Band E3) or Mathematics Extension 2 (Band E3).

Assumed knowledge: Mathematics Extension 1.

Agricultural Science\Agricultural Science Honours

Areas of study: Agricultural science, plus one related major chosen from: agricultural and resource economics, animal production, ecology and evolutionary biology, environmental, food science, genetics and genomics, microbiology, plant science, soil science and hydrology.

Assumed knowledge: Mathematics Standard 2, English Standard.

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 Advanced.

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 Advanced.

Arts and Social Sciences

Arts

Dalyell Scholars

International and Global Studies

Languages

Media and Communications

Politics and International Relations

Areas of study: American studies, ancient Greek, ancient history, anthropology, Arabic language and cultures, archaeology, art history, Asian studies, Chinese studies, criminology cultural studies, digital cultures, diversity studies, econometrics, economic policy, economics, education, English, environmental, agricultural and resource economics, European studies, film studies, financial economics, French and francophone studies, gender studies, Germanic studies, Hebrew (modern), history, Indigenous studies, Indonesian studies, international comparative literary studies, international relations, Italian studies, Japanese studies, Jewish civilisation, thought and culture, Korean studies, Latin, linguistics, modern Greek studies, music, philosophy, political economy, politics, psychology, Sanskrit, social policy, socio-legal studies, sociology, Spanish and Latin American studies, studies in religion, theatre and performance studies, visual arts, writing studies.

Assumed knowledge: Depends on majors or units of study chosen.

Arts (Extended)

Areas of study: In addition to the areas of study listed for Arts and Social Science, foundation academic studies and mathematics.

Additional selection criteria: Available to Aboriginal and Torres Strait Islander students only. Assessment may include an interview and personal statement.

Commerce

Commerce\Dalyell Scholars

Areas of study: Accounting, accounting (professional program), banking, business analytics, business information systems, business law, finance, industrial relations and human resource management, innovation and entrepreneurship, international business, management and leadership, marketing.

Course prerequisites: Mathematics Advanced (Band 4) or Mathematics Extension 1 (Band E3) or Mathematics Extension 2 (Band E3).

Assumed knowledge: Depends on majors or units of study chosen.

Dentistry

Oral Health

Areas of study: Oral health promotion, periodontics, tooth conservation.

Recommended studies: Biology and/or Chemistry.

Science/Doctor of Dental Medicine

Areas of study: Refer to Science entry. All students undertake studies in mathematics and biology. For **Doctor of Dental Medicine:** Clinical sciences and clinical skills, communication and professionalisation, evidence-based practice, interprofessional teamwork, leadership, oral and systemic biosciences, prevention and health promotion, social and cultural oral health.

Course prerequisites: Mathematics Advanced (Band 4) or Mathematics Extension 1 (Band E3) or Mathematics Extension 2 (Band E3).

Assumed knowledge: Depends on majors or units of study chosen.

Design

Interaction Design

Areas of study: App design, creative technology, design thinking, graphic design, information architecture, information visualisation design, interactive product design, physical computing, sound design, user-centred design, user-experience design. Other related units and majors may be taken from fields including Arts and Social Sciences, Business, Computer Science, Engineering, Science.

Assumed knowledge: Mathematics Advanced.

Diagnostic Radiography

Areas of study: Anatomy, biological sciences, equipment and imaging techniques, image processing/data science, pathology, physics, psychology, radiation biology.

Assumed knowledge: Mathematics Advanced, Physics.

Recommended studies: Biology or Chemistry.

Economics

Areas of study: Environmental, agricultural and resource economics, econometrics, economics, financial economics. Second area of study from those offered by the Business School (see Commerce) or Arts and Social Sciences.

Course prerequisites: Mathematics Advanced (Band 4) or Mathematics Extension 1 (Band E3) or Mathematics Extension 2 (Band E3).

Assumed knowledge: Depends on majors or units of study chosen.

Education

Early Childhood

Areas of study: Child development and learning, education, learning studies (arts, health and wellbeing science, language, mathematics), professional studies.

Primary

Areas of study: Education and primary education.

Course prerequisites: Band 5 in three HSC subjects (or equivalent) one of which must be English (English as an Additional Language or Dialect or English Standard or English Advanced); Mathematics Standard (Band 4) or higher.

Assumed knowledge: **For Mathematics specialisation:** Mathematics Standard 2 or Mathematics Advanced. **For Science and Technology specialisation:** Any 2 units of science.

Additional selection criteria: Personal statement.

Secondary

Areas of study: Aboriginal studies, biology, business studies, chemistry, commerce, drama, economics, English, geography, drama, history (modern or ancient), languages: Arabic, Chinese, French, German, Hebrew (modern or classical), Indonesian, Italian, Japanese, Korean, Latin, modern Greek or Spanish, linguistics, mathematics, physics.

Assumed knowledge: Depends on majors or units of study chosen.

Additional selection criteria: Personal statement.

Graduates intending to teach Biology, Chemistry or Physics at a secondary level must complete at least a minor in their nominated teaching area.

Health and Physical Education

Areas of study: Personal Development; Health and Physical Education (PDHPE); along with a second key learning area.

Course prerequisites: Band 5 in three HSC subjects (or equivalent) one of which must be English (English as an Additional Language or Dialect or English Standard or English Advanced).

Additional selection criteria: Personal statement.

Engineering

Aeronautical

Biomedical

Chemical and Biomolecular

Civil

Dalyell Scholars

Electrical

Flexible first year

Mechanical

Mechatronic

Software

Space Engineering

Course prerequisites: Mathematics Advanced (Band 4) or Mathematics Extension 1 (Band E3) or Mathematics Extension 2 (Band E3).

Assumed knowledge: **For Aeronautical, Civil, Electrical, Mechanical, Mechatronic, Software, Space Engineering:** Physics. **For Chemical and Biomolecular:** Chemistry. **For Biomedical, Dalyell Scholars, Flexible first year:** Chemistry and/or Physics (depending on the engineering stream chosen).

Recommended Studies: **For Biomedical:** Biology

Exercise and Sport Science

Exercise Physiology

Exercise and Sport Science

Areas of study: Ageing, biomechanics, clinical exercise practice, ergonomics, exercise, exercise physiology, exercise science, functional anatomy, learning and control of human movement, motor control and

behaviour, physical activity and health, physiology/exercise physiology and the application of these fundamental sciences to sport, public health and research, rehabilitation.

Assumed knowledge: Chemistry, Mathematics Advanced.

Law (Combined)

- Arts/Laws
- Commerce/Laws
- Economics/Laws
- Engineering Honours/Laws
- Science/Laws

Course prerequisites: *For Law combined with Commerce, Economics, Engineering Honours or Science:* Mathematics Advanced (Band 4) or Mathematics Extension 1 (Band E3) or Mathematics Extension 2 (Band E3).

Assumed knowledge: *For Law:* English Advanced.

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 a major from Science, a sequence of subjects in Science (if an 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 majors, see Arts and Social Sciences or Science.

For Liberal Arts and Science (Advanced): Advanced stream must select a Science advanced major and a sequence of subjects in Arts and Social Sciences.

Assumed knowledge: Depends on majors or units of study chosen.

Liberal Arts and Science (Extended)

Areas of study: In addition to the areas of study listed for Liberal Arts and Science, foundation academic studies and mathematics.

Additional selection criteria: Available to Aboriginal and Torres Strait Islander students only. Assessment may include an interview and personal statement.

Medicine (Double Degree)

Arts/Doctor of Medicine Science/Doctor of Medicine

Course prerequisites: Mathematics Advanced (Band 4) or Mathematics Extension 1 (Band E3) or Mathematics Extension 2 (Band E3).

Assumed knowledge: Refer to the relevant entry. All students in Double Degree Medicine must take some study in biology, chemistry and medical science during their undergraduate degree. All students in Science/Doctor of Medicine must take some study in mathematics during their undergraduate degree. Students in Science/Doctor of Medicine may elect to enrol in the Medical Science stream.

Music

Areas of study: Composition, composition for creative industries, contemporary music practice, digital music and media, musicology, performance (historical, instrumental, jazz, musical theatre or vocal).

Assumed knowledge: Music 1. **For composition and music performance:** Music 2.

Additional selection criteria: Audition and/or portfolio and interview.

Music Education

Areas of study: Music education studies, plus a principal study in either a classical instrument, voice, jazz studies, drum set, historical performance, music theatre, non-western instruments, composition, contemporary music practice or musicology

Course prerequisites: Band 5 in three HSC subjects (or equivalent) one of which must be English (English as an Additional Language or Dialect, English Standard or English Advanced).

Assumed knowledge: Music 2.

Additional selection criteria: Audition and/or interview and personal statement.

Nursing

Areas of study: Acute care, aged care, child and adolescent health, chronic illness, clinical practice, community nursing, high acuity, Indigenous First Nations Peoples' health, mental health, pharmacology, physiology, primary health care, population health, professional practice, social and health policy.

Occupational Therapy

Areas of study: Human anatomy, neurosciences, occupational therapy, psychology, theory and practice, social sciences.

Recommended studies: Biology.

Pharmacy

Pharmacy (Honours)/Master of Pharmacy Practice Pharmacy and Management (Honours)/Master of Pharmacy Practice

Areas of study: Biology, chemistry, honours project, medicinal chemistry, pharmaceutical sciences, pharmaceutics, pharmacology, pharmacy and pharmacy practice. **For pharmacy and management:** As listed for pharmacy, plus business, business law, management and marketing.

Course prerequisites: Mathematics Advanced (Band 4) or Mathematics Extension 1 (Band E3) or Mathematics Extension 2 (Band E3).

Assumed knowledge: Biology, Chemistry.

Recommended studies: Physics.

Physiotherapy

Areas of study: Behavioural and social sciences, biomedical sciences, exercise science, human anatomy, human movement, neuroscience, professional competencies, theory and practice of musculoskeletal, neurological and cardiopulmonary physiotherapy across the lifespan.

Assumed knowledge: Chemistry, Physics.

Recommended studies: Mathematics Advanced.

Project Management

Areas of study: Built environment, construction. Studies include complex project coordination, management data, organisational behaviour, people and change, project change, project control, project finance, psychology, quality management, risk management, statistics.

Course prerequisites: Mathematics Advanced (Band 4) or Mathematics Extension 1 (Band E3) or Mathematics Extension 2 (Band E3).

Assumed knowledge: Depends on majors or units of study chosen.

Psychology/Psychology (Honours)

Areas of study: Psychology, psychological science.

Course prerequisites: Mathematics Advanced (Band 4) or Mathematics Extension 1 (Band E3) or Mathematics Extension 2 (Band E3).

Assumed knowledge: Depends on minors or units of study chosen.

Science

Areas of study: Agriculture, agroecosystems, anatomy and histology, animal and veterinary bioscience, animal health, disease and welfare, animal production, applied medical science, astrophysics, biochemistry and molecular biology, biology, chemistry, computer science, data science, ecology and evolutionary biology, environmental science, environmental studies, financial mathematics and statistics, food and agribusiness, food science, genetics and genomics, geography, geology and geophysics, health, history and philosophy of science, human movement (Health stream only), immunology, immunology and pathology, infectious diseases, life sciences, marine science, mathematical sciences, mathematics, medical science, medicinal chemistry, microbiology, nanoscience and nanotechnology, neuroscience, nutrition science, pathology,

pharmacology, physics, physiology, plant production, plant science, psychological science, software development, soil science and hydrology, statistics, virology.

Animal and Veterinary Bioscience

Areas of study: Animal and veterinary bioscience plus a second major from those offered for Science.

Course prerequisites: Mathematics Advanced (Band 4) or Mathematics Extension 1 (Band E3) or Mathematics Extension 2 (Band E3).

Assumed knowledge: Biology, Chemistry.

Health

Areas of study: Health, a second major from those offered for Science.

Course prerequisites: Mathematics Advanced (Band 4) or Mathematics Extension 1 (Band E3) or Mathematics Extension 2 (Band E3).

Assumed knowledge: Biology.

Medical Science

Areas of study: Medical science including a major in anatomy, biochemistry, biology, cell pathology, genetics, histology, history and philosophy of science, immunology, infectious diseases, microbiology, molecular biology, pharmacology, physiology or psychology, plus a second major from those offered for Science.

Course prerequisites: Mathematics Advanced (Band 4) or Mathematics Extension 1 (Band E3) or Mathematics Extension 2 (Band E3).

Assumed knowledge: Biology, Chemistry.

Science

Science (Advanced)

Dalyell Scholars including Mathematical Sciences

Course prerequisites: Mathematics Advanced (Band 4) or Mathematics Extension 1 (Band E3) or Mathematics Extension 2 (Band E3).

Assumed knowledge: *Science, Science (Advanced) and Dalyell Scholars:* Depends on major or units of study chosen. *Mathematical Sciences:* Mathematics Extension 2. All students undertaking a science degree must take some study in mathematics.

Science (Extended)

Areas of study: In addition to the areas of study listed for Science, foundation academic studies and mathematics.

Additional selection criteria: Available to Aboriginal and Torres Strait Islander students only. Assessment may include an interview and personal statement.

Taronga Wildlife Conservation

Areas of study: Wildlife conservation plus a second major from those offered for Science.

Course prerequisites: Mathematics Advanced (Band 4) or Mathematics Extension 1 (Band E3) or Mathematics Extension 2 (Band E3).

Assumed knowledge: Biology.

Social Work

Areas of study: Social work, sociology.

Assumed knowledge: Depends on first-year subjects chosen.

Speech Pathology

Areas of study: Anatomy, audiology, linguistics and language development, neurobiology, phonetics, psychology, research methods, specialist areas (aphasia, cleft palate, dysarthria, dyslexia, hearing loss, stuttering).

Recommended studies: English Advanced.

Veterinary Biology/Doctor of Veterinary Medicine

Areas of study: Animal behaviour and welfare science, animal diseases and pathobiology, animal husbandry, cell biology, clinical and professional practice, pharmacology, veterinary anatomy and physiology, veterinary conservation biology, veterinary medicine, veterinary public health, veterinary surgery.

Course prerequisites: Mathematics Advanced (Band 4) or Mathematics Extension 1 (Band E3) or Mathematics Extension 2 (Band E3).

Assumed knowledge: Biology, Chemistry.

Recommended studies: Physics.

Additional selection criteria: Statement of commitment to veterinary science and completion of situational judgement test.

Visual Arts

Areas of study: Ceramics, glass, jewellery, painting, photo media, print media, screen arts, sculpture.

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.

- Advanced Computing/Commerce
- Advanced Computing/Science
- Advanced Computing/Science (Health)
- Advanced Computing/Science (Medical Science)
- Arts/Laws
- Arts/Master of Nursing
- Arts/Doctor of Medicine
- Arts/Social Work
- Commerce/Laws
- Design in Architecture (Honours)/Master of Architecture
- Economics/Laws
- Engineering Honours/Arts
- Engineering Honours/Commerce
- Engineering Honours/Laws
- Engineering Honours/Project Management
- Engineering Honours/Science
- Engineering Honours (Biomedical)/Science (Health)
- Engineering Honours (Biomedical)/Science (Medical Science)
- Engineering Honours (Civil)/Design in Architecture
- Pharmacy (Honours)/Master of Pharmacy Practice
- Pharmacy and Management (Honours)/Master of Pharmacy Practice
- Science/Laws
- Science/Doctor of Dental Medicine
- Science/Doctor of Medicine
- Science/Master of Mathematical Sciences
- Science/Master of Nursing
- Science/Master of Nutrition and Dietetics
- Science (Health)/Master of Nursing
- Science (Medical Science)/Doctor of Medicine
- Veterinary Biology/Doctor of Veterinary Medicine

Advanced Studies (Combined)

This is not a standalone degree. It may be taken in conjunction with:

- Arts
- Commerce
- Design
- Education (Secondary)
- Economics
- Exercise and Sports Science
- Music
- Science
- Visual Arts

Get in touch

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PO Box 123
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tel: 1300 ASK UTS (1300 275 887)
email: [via ask.uts.edu.au](mailto:via_ask.uts.edu.au)
website: uts.edu.au

In person

Level 2 (Entry level), Building 10
235 Jones Street
Ultimo NSW 2007



Scan for general information about UTS, including admission criteria, or go to uac.edu.au/uts.



Read this first

- There are no course prerequisites for entry into bachelor degree courses at UTS.
- When you read 'any 2 units of science' or 'at least 2 units of science' or 'any two science subjects', this can include Biology, Chemistry, Physics, Earth and Environmental Science or Investigating Science.

Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations within the course.

Advanced Science

Advanced Science – Pharmaceutical Sciences

Areas of study: Cell biology and genetics, drug discovery, human anatomy and physiology, histology, microbiology, medical and applied physiology, medicinal chemistry, microbiology, pharmacology.

Assumed knowledge: Mathematics Advanced, any 2 units of science, any 2 units of English.

Recommended studies: Biology, Mathematics Extension 1.

Advanced Science – Pre-medicine

Areas of study: Biochemistry, cell biology, chemistry, genetics, human anatomy and physiology, histology, microbiology, pathophysiology, pharmacology, physics, preparing for graduate medicine.

Assumed knowledge: Mathematics Advanced, any 2 units of science, any 2 units of English.

Recommended studies: Biology, Mathematics Extension 1.

Advanced Science – Quantum Technology

Areas of study: Advanced materials, computational physics, device engineering and characterization, optics, physics and quantum physics.

Assumed knowledge: Mathematics Advanced, any 2 units of science, any 2 units of English.



Architecture

Areas of study: Architecture, construction technology, design, design culture, design history/theory, design technology, ecodesign, environmental control, media, sustainability.

Assumed knowledge: Mathematics Advanced, any 2 units of English.

Recommended studies: Design and Technology, Visual Arts, English Advanced, English Extension 1 or English Extension 2, Mathematics Extension 1 or Mathematics Extension 2, Physics, Modern History.

Interior Architecture

Areas of study: Design history and theory, exhibition design, interior design to urban design, lighting design, performance design, professional practice and design technology, spatial communications, experimentations with space and materials, inhabitation and human interactions to space, spaces and places of performance, industry practice and professional development.

Assumed knowledge: Any 2 units of English.

Recommended studies: Design and Technology, Visual Arts, Industrial Technology, Mathematics Extension 1 or Mathematics Extension 2.

Landscape Architecture

Areas of study: Botany, design of landscapes in urban and rural contexts, ecology, graphic communications, hydrology, professional practice, research, sustainability.

Assumed knowledge: Mathematics Advanced, any 2 units of English.

Recommended studies: Design and Technology, Visual Arts, Geography, Earth and Environmental Science.

Biomedical Science (Medical Science)

Areas of study: Anatomy, autoimmunity, biochemistry, blood banks, blood tests, blood transfusions, cell biology, clinical microbiology, diabetes, diagnosis disease, epidemiology, genetic screening, genetics, haematology, histology, histopathology, immunity, immunodeficiency, immunology, infection, laboratory, molecular biology, pathology, physiology, proteomics, research, serology, stem cell, transplantation and translational medicine.

Assumed knowledge: Mathematics Advanced, any 2 units of English, any 2 units of science.

Recommended studies: Chemistry, Mathematics Extension 1.

Biotechnology and Molecular Biotechnology

Environmental Biotechnology

Areas of study: Biobusiness, biocomplexity, bioremediation, environmental chemistry, environmental engineering, environmental remediation, molecular genetics, recombinant biology, sustainability, water quality and wastewater engineering.

Assumed knowledge: Mathematics Advanced, any 2 units of English, any 2 units of science.

Recommended studies: Chemistry, Mathematics Extension 1.

Medical Biotechnology

Areas of study: Biobusiness, human anatomy and physiology, immunology, medical biotechnology, medical devices, microbiology, molecular biology, pharmacology, recombinant biology.

Assumed knowledge: Mathematics Advanced, any 2 units of English, any 2 units of science.

Recommended studies: Chemistry, Mathematics Extension 1.

Building

Construction Project Management

Areas of study: Building surveying, business management, contract management, construction site management, construction technology, cost planning and professional practice, design management, economics, estimating, law, project management, quantity surveying, risk and safety management, services, structures, sustainable development, time/cost/quality management.

Assumed knowledge: Mathematics Advanced, any 2 units of English.

Recommended studies: Design and Technology, Engineering Studies, Construction (Exam), Economics, Business Studies, English Standard, Mathematics Extension 1 or Mathematics Extension 2.

Property Economics

Areas of study: Economics, financial management, investment and valuation, property development, property finance, land appraisal/land evaluation, land economics, legal studies, planning/land management/land science, property management, real estate management.

Assumed knowledge: Mathematics Advanced, Mathematics Extension 1, Mathematics Extension 2, any 2 units of English, Business Studies, Economics.

Business

Accounting

Areas of study: Accounting, business.

Assumed knowledge: Mathematics Advanced, any 2 units of English.

Business

Areas of study: Accounting, business, business law*, economics, finance, human resource management, information technology*, international business, management, marketing, advertising and marketing communication.

* *Second major only*

Assumed knowledge: Mathematics Advanced, any 2 units of English.

Economics

Areas of study: Applied microeconomics, behavioural economics, business law*, econometrics, economic policy, economics of the environment, monetary policy and central banking, economics of the environment, experimental economics, finance*, game theory, international business*, information technology*, human resource management*, labour economics, macroeconomics, management*, market design, marketing*, microeconomics, public economics, time series econometrics.

* *Second major*

Assumed knowledge: Mathematics Advanced, any 2 units of English.

Management (Digital Creative Enterprise, Events, Sport Business)

Areas of study: Business strategy, creative industries in the collaborative economy, current issues in sport, digital strategy and governance, entrepreneurship studio, event and entertainment, event management, event sponsorship, events, innovation and entrepreneurship, international sport marketplace, management, management research skills, managing professional sport, managing risk and opportunity, promoting events, scenario planning, sport business, sport marketing.

Assumed knowledge: Any 2 units of English.

Communication

Animation Production

Areas of study: 2D animation, 3D computer animation, animation, animation design, animation production, character design, cinema, concept artist, directing, film production, illustration, layout, lighting, Maya, modelling, production design, storyboard, performance, rigging, storytelling, screenwriting, stop motion, technical direction, Toon Boom, visual narrative.

Assumed knowledge: Any 2 units of English.

Recommended studies: Design and Technology, Visual Arts.

Communication – Digital and Social Media

Areas of study: App design, data analytics, digital audience analysis, digital media metrics, digital research methods, social media campaign, social media platforms, user experience design, user interface design.

Assumed knowledge: Any 2 units of English.

Communication – Journalism

Areas of study: Current journalism debates and issues, data journalism, digital publishing, ethical practice, investigative journalism, journalism and scholarly research, long-form storytelling, photojournalism, radio and TV journalism, reflective practice, reporting online, social media reporting.

Assumed knowledge: Any 2 units of English.

Communication – Media Arts and Production

Areas of study: Artists moving image, aesthetics, creative project development, documentary, drama, experimental media, film, media arts, producing, production management, screen production, sound, editing, screenwriting, television, visual storytelling.

Assumed knowledge: Any 2 units of English.

Communication – Media Business

Areas of study: Branding; dynamics and logics of media influence; entrepreneurial skills; fundamentals of management and business finance, the intersection of media, law and ethics.

Assumed knowledge: Any 2 units of English.

Communication – Social and Political Sciences

Areas of study: Analysing social and political change; communicating policy and producing online publications; developing policy analysis and advocacy; project; using real-world social research and research methods; using theory from politics, sociology and political economy.

Assumed knowledge: Any 2 units of English.

Communication – Strategic Communication

Areas of study: Advertising, audience studies, campaign development, communication, media, professional practice public affairs, public communication, public relations, strategic communication.

Assumed knowledge: Any 2 units of English.

Communication – Writing and Publishing

Areas of study: Blogs, critical analysis, creative writing, cultural studies, digital content creation, digital content production, feature writing, fiction writing, genre writing, narrative, non-fiction writing, poetry, professional placement, publishing, research, screenwriting, story creation for digital platforms, story creation for games, storytelling, textual theory, writing, web writing.

Assumed knowledge: Any 2 units of English.

Music and Sound Design

Areas of study: Audio engineering, music business, music technology, podcasting, popular music production, screen sound, songwriting, sound design.

Assumed knowledge: Any 2 units of English.

Criminology

Areas of study: Crime prevention, criminology, data analysis, digital skills, forensics, justice, law.

Assumed knowledge: Any 2 units of English.

Design

Fashion and Textiles

Areas of study: 2D and 3D pattern-making approaches, conceptual thinking, experimental design, fashion design practice, fashion history, fashion research, global fashion studios, menswear, sustainable fashion, textile design practice, womenswear.

Assumed knowledge: Any 2 units of English.

Recommended studies: Design and Technology, Textiles and Design, Visual Arts.

Product Design

Areas of study: Accessory design, advanced manufacturing technologies, contemporary and advanced concept design, contemporary and future design practice, design for 3D printing, design for advanced materials, design history, design led research, design management, design thinking, designing and making, furniture design, generative design, inclusive design, Indigenous design practice and knowledge, industrial design, innovation and commercialisation, interaction design, next generation product design, object design, product design, product engineering, professional design practice, project management, service design, social design, speculative design, sustainable design, systems design, user experience (UX) design, user-centred design.

Assumed knowledge: Any 2 units of English.

Recommended studies: Design and Technology, Visual Arts, Industrial Technology, Software Engineering, Mathematics Extension 1 or Mathematics Extension 2.

Visual Communication

Areas of study: Branding, data visualisation, design for animation, design history, design thinking, emergent visual communication practices, experiential design, illustration, interactive design, moving image design, strategic design, typography, user experience, web design.

Assumed knowledge: Any 2 units of English.

Recommended studies: Design and Technology, Visual Arts, Software Engineering, Mathematics Extension 1 or Mathematics Extension 2.

Education

Secondary

Areas of study: Contextual studies of education, curriculum studies in chosen teaching areas taught in secondary schools (ie inclusive education, Indigenous Australian education, digital technologies, professional learning, educational psychology, literacy and numeracy, sociology of education and professional experience), teaching method subjects for discipline areas taught in secondary schools and discipline subjects delivered in associated undergraduate course.

Assumed knowledge: Any 2 units of English (excluding EAL/D).

Additional selection criteria: Personal statement as per the NESA requirements.

Biology, Chemistry and Environmental Science

Recommended studies: Mathematics Advanced, any 2 units of science, any 2 units of English.

Chemistry and Physics

Recommended studies: Mathematics Advanced, Physics or Chemistry, 2 units of English.

Mathematics and Mathematics/Physics

Recommended studies: Mathematics Extension 1, any 2 units of science, any 2 units of English.

TAS/Mathematics

Recommended studies: Mathematics Extension 1, Physics, English Standard.

Engineering

Areas of study: Biomedical, civil, civil and environmental, data, electrical, electrical and electronic, electronic, mechanical, mechanical and mechatronic, mechatronic, software.

Assumed knowledge: Mathematics Extension 1, Physics, English Standard.

Recommended studies: English Advanced. For the biomedical, civil, and civil and environmental engineering majors, Chemistry is recommended. For the software engineering major, a sound knowledge of the fundamentals of programming is recommended.

Additional selection criteria: Questionnaire.

Environmental Biology

Areas of study: Biodiversity; cell biology and genetics; ecology of freshwater, estuarine and marine systems; environmental chemistry; ecosystems, ecological genetics, GIS and remote sensing; marine geoscience; plant and wildlife ecology and management; structure, behaviour and physiology of plants and animals, urban sustainability and resilience (additional subjects are available after first year for in-depth specialisation in selected areas).

Assumed knowledge: Mathematics Advanced, any 2 units of English, any 2 units of science.

Forensic Science

Assumed knowledge: Mathematics Advanced, any 2 units of English, any 2 units of science.

Recommended studies: Chemistry and Biology.

Forensic Science – Biology

Areas of study: Advanced genomics, bioinformatics, biological criminalistics, crime scene, DNA profiling, investigation of human remains, metabolic biochemistry, microbiology, molecular biology.

Forensic Science – Chemistry

Areas of study: Analytical chemistry, chemical criminalistics, crime scene, document and counterfeiting, drug analysis, fire and explosion, forensic intelligence, organic chemistry, toxicology.

Forensic Science – Crime Scene Investigation

Areas of study: Advanced forensic imaging and recovery, criminalistics, crime scene, forensic intelligence, homicide investigation, investigation of human remains, major scene investigation, organic chemistry.

Forensic Science – Digital Forensics

Areas of study: DCrime scene, digital crime and cybercrime, digital trace and identity, forensic intelligence, forensic statistics, mobile networking, network security, web and monitoring investigation.

Information Technology

Areas of study: Business information systems management, data analytics, enterprise systems development, interaction design, networking and cyber security, industry-based learning.

Assumed knowledge: Mathematics Advanced, any 2 units of English.

Recommended studies: English Advanced, Mathematics Extension 1.

Additional selection criteria: Questionnaire.

Artificial Intelligence

Areas of study: Artificial intelligence, computer vision, data analytics, data science, data visualisation, deep learning, image processing, machine learning, natural language processing, pattern recognition, reinforcement learning.

Assumed knowledge: Mathematics Advanced, any 2 units of English.

Recommended studies: English Advanced, Mathematics Extension 1.

Computing Science

Areas of study: Artificial intelligence and data analytics, business information systems management, cyber security and privacy, enterprise systems development, interaction design, mathematical analysis, networking and cyber security, quantum information science, statistics.

Assumed knowledge: Mathematics Extension 1, any 2 units of English.

Recommended studies: English Advanced.

Cybersecurity

Areas of study: Cybersecurity, cyber threat intelligence, cybersecurity incident response, cloud security, computing and IT fundamentals, cryptography, information security, project management.

Assumed knowledge: Mathematics Advanced, any 2 units of English.

Recommended studies: English Advanced, Mathematics Extension 1.

Games Development

Areas of study: Animation, computing and IT fundamentals, game design, graphics, software engineering, systems development.

Assumed knowledge: Mathematics Advanced, any 2 units of English.

Recommended studies: English Advanced, Mathematics Extension 1.

Information Systems

Areas of study: Information system management, processes and models, data analytics, planning and decision-making, knowledge management, innovation, sustainability.

Assumed knowledge: Mathematics Advanced, any 2 units of English.

Recommended studies: English Advanced, Mathematics Extension 1.

Law

Law (LLB)

Law (Combined)

- Business/Law
- Communication (Digital and Social Media)/Law
- Communication (Journalism)/Law
- Communication (Media Arts and Production)/Law
- Communication (Media Business)/Law
- Communication (Social and Political Sciences)/Law
- Communication (Strategic Communication)/Law
- Communication (Writing and Publishing)/Law
- Creative Intelligence and Innovation/Law
- Economics/Law
- Engineering Science/Law
- Forensic Science/Law
- Information Technology/Law
- International Studies/Law
- Medical Science/Law
- Science/Law

Areas of study: *For Law:* Commercial law, contracts, corporate law, criminal law, dispute resolution, employment law, environmental law, family law, finance and banking law, health and medical law, human rights, Indigenous knowledge, industrial law, intellectual property, international law, justice studies, law and technology, legal theory, media and privacy law, public international law, regulation and compliance, remedies, torts.

For the other area of study: Refer to the relevant entry.

Assumed knowledge: *For Law:* Any 2 units of English.

Marine Biology

Areas of study: Animal behaviour and physiology, biological diversity, climate change, coral reef ecosystems, ecology, environmental protection and management, fish biology, fisheries, GIS and remote sensing, marine plant and algae.

Assumed knowledge: Mathematics Advanced, any 2 units of English, any 2 units of science.

Medical Science

Areas of study: Anatomy, cell biology, diagnostics, drugs, genetics, haematology, human diseases, immunology, medical devices, medicine, metabolic biochemistry, microbiology, molecular biology, neuroscience, pharmacology, physiology.

Assumed knowledge: Mathematics Advanced, any 2 units of English, any 2 units of science.

Midwifery

Areas of study: Midwifery.

Assumed knowledge: Any 2 units of English.

Recommended studies: Any 2 units of science, any 2 units of mathematics.

Nursing

Areas of study: Nursing.

Assumed knowledge: English Standard.

Recommended studies: Any 2 units of science, any 2 units of mathematics.

Public Health

Areas of study: Analytics, contemporary health issues, data analytics, epidemiology, global health, health promotion, human structure and function, Indigenous health, pharmacology, public health, sport and exercise.

Assumed knowledge: Any 2 units of English.

Science

Assumed knowledge: *For all Science courses:* Mathematics Advanced, any 2 units of English, any 2 units of science unless otherwise specified. Mathematics Extension 1 is recommended for those majoring in mathematics/statistics. Refer to 'Read this first' at the beginning of the UTS entry.

Biotechnology

Areas of study: Anatomy, animal and plant biotechnology, biobusiness, biochemistry, bioreactors and bioprocessing, cell biology and genetics, environmental biotechnology, haematology, immunology, medical devices, microbiology, molecular biology, neuroscience, parasitology, pathology, pathophysiology, pharmacology, physiology.

Recommended studies: Chemistry, Mathematics Extension 1.

Chemistry

Areas of study: Analytical, inorganic, organic and physical chemistry; materials science; polymer science and surface chemistry. Students also have the opportunity to take subjects in forensic chemistry, medicinal, pharmaceutical and toxicological chemistry, nanotechnology.

Recommended studies: Chemistry, Mathematics Extension 1, Physics.

Environmental Sciences

Areas of study: Biodiversity, ecosystem protection and management; cell biology and genetics; environmental chemistry; environmental management; experimental design and analysis of ecological data; fisheries resources; freshwater ecology, estuarine and marine systems; GIS and remote sensing; marine geoscience; plant and wildlife ecology and management; pollution impacts on ecosystems; structure, behaviour and physiology of plants and animals.

Assumed knowledge: Mathematics Advanced, any 2 units of English, any 2 units of science.

Flexible

Areas of study: Analytical chemistry, organic and inorganic chemistry; applied physics; biotechnology; environmental sciences; marine biology; mathematics and statistics; medical science and biomedical science; nanomaterials and nanotechnology.

Assumed knowledge: Chemistry, Mathematics Extension 1.

Mathematics

Areas of study: Analysis of commercial and scientific data; applied statistics; design of statistical studies in commerce, industry and society; quantitative methods in management and logistics; theoretical foundations of applied mathematics and statistics. Students can choose additional studies in business, finance, law or information technology.

Assumed knowledge: Mathematics Advanced, any 2 units of English.

Recommended studies: Mathematics Extension 1.

Medical Science

Areas of study: Anatomy, biochemistry, cell biology and genetics, epidemiology, haematology, histology, immunology, infectious diseases, medical devices, microbiology, molecular biology, pathology, pathophysiology, pharmacology, physiology.

Recommended studies: Chemistry, Mathematics Extension 1.

Physics

Areas of study: Advanced mechanics, computer modelling, electronics and computer interfacing, measurement analysis, nanophotonics, optics, quantum physics, scanning probe and electron microscopy, solid-state science, thermodynamics.

Recommended studies: Chemistry, Mathematics Extension 1, Physics.

Sport and Exercise Management

Areas of study: Financial management, anatomy, biomechanics, event management, exercise management, exercise physiology, law, managing professional sport, nutrition, strength and conditioning, sport management, sports marketing, sports psychology, sports science, strategic management, management, sport and exercise.

Assumed knowledge: Any 2 units of mathematics, any 2 units of English.

Sport and Exercise Science

Areas of study: Anatomy, biomechanics, exercise assessment, exercise delivery, exercise physiology, exercise prescription, exercise rehabilitation, health, human movement, motor learning, nutrition, sports psychology, sports science, sport and exercise, strength and conditioning.

Assumed knowledge: Any 2 units of mathematics, any 2 units of English.

Exercise Therapy

Areas of study: Anatomy, biomechanics, exercise assessment, exercise delivery, exercise physiology, exercise prescription, exercise rehabilitation, health, human movement, motor learning, nutrition, physiotherapy, sports psychology, sports science, sport and exercise, strength and conditioning.

Assumed knowledge: Any 2 units of mathematics, any 2 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
- Engineering/Medical Science
- Engineering/Science
- Information Systems/Business
- Information Technology/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.

Creative Intelligence and Innovation (Combined)

The Bachelor of Creative Intelligence and Innovation (BCII) brings together students from a huge range of discipline areas, providing invaluable creative and collaborative skills that are highly sought after in the globalised world. Students undertake real-world projects and self-initiated proposals with a focus on innovative, creative and entrepreneurial outcomes.

- Advanced Science
- Animation Production
- Architecture
- Business
- Communication (Digital and Social Media)
- Communication (Journalism)
- Communication (Media Arts and Production)
- Communication (Strategic Communication)
- Communication (Social and Political Sciences)
- Communication (Writing and Publishing)
- Engineering
- Fashion and Textiles
- Forensic Science
- Information Technology
- Interior Architecture
- Law
- Management
- Midwifery
- Music and Sound
- Nursing
- Product Design
- Public Health
- Science
- Sport and Exercise Science
- Visual Communication

Areas of study: For creative intelligence and innovation:

Collaboration and co-creation, complexity, critical and creative thinking, entrepreneurship, future scenario building, innovation, invention.

Assumed knowledge/Recommended studies: Refer to the core degree to be combined with Creative Intelligence and Innovation.

Innovation (Dip)

The Diploma in Innovation is an additional qualification designed to add value to any undergraduate degree (including double degrees, except BCII). Students develop highly-in-demand capabilities to collaborate across disciplines and innovate. This course is its own complete degree and only 48 credit points. All subjects are offered part-time in 3-week periods between the main sessions and can be completed in parallel with the core degree(s).

Drawing on industry partners, the Diploma in Innovation immerses students in real challenges with no exams. For further information including FAQs, visit dipinn.uts.edu.au.

International Studies (Combined)

- Animation Production
- Artificial Intelligence
- Business
- Communication (Digital and Social Media)
- Communication (Journalism)
- Communication (Media Arts and Production)
- Communication (Media Business)
- Communication (Strategic Communication)
- Communication (Social and Political Sciences)
- Communication (Writing and Publishing)
- Construction Project Management
- Criminology
- Cybersecurity
- Engineering
- Fashion and Textiles
- Forensic Science
- Health Science
- Information Technology
- Interior Architecture
- Law
- Management
- Mathematical Science
- Medical Science
- Music and Sound Design
- Nursing
- Product Design
- Property Economics
- Science
- Sport and Exercise Management
- Sport and Exercise Science
- Visual Communication

Languages (Dip)

The Diploma in Languages is a qualification designed to be taken concurrently with any undergraduate or postgraduate degree (including double degrees, except International Studies) and allows you to choose from one of six language options. It facilitates your learning about language and culture and contemporary societies and broadens the opportunities associated with your professional degree or other studies.

For further information including FAQs, visit uts.edu.au/diploma-languages.

Sustainability and Environment (Combined)

- Business
- Economics
- Health Science
- Management
- Science

Assumed knowledge/Recommended studies: Refer to the core degree to be combined with Sustainability and Environment.



Get in touch

UOW Future Students
University of Wollongong, NSW 2522
tel: 1300 367 869
email: futurestudents@uow.edu.au
website: uow.edu.au

In person

Admissions Advice
Student Central, (Ground Floor Building 17)
Wollongong campus, Northfields Avenue,
Gwynneville NSW 2500



Scan for general information about UOW, including admission criteria, or go to uac.edu.au/uow.



Read this first

- 'Any 2 units of science' includes Biology, Chemistry, Earth and Environmental Science, Geography, Investigating Science or Physics.
- 'Any 4 units of science' includes two courses from Biology, Chemistry, Earth and Environmental Science, Geography, Investigating Science or Physics.
- The University offers bridging study in Biology, Chemistry and Physics. For more information, visit uow.info/bridging-course.
- All programs are subject to routine review.

Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations within the course.

Arts (Humanities)

Areas of study: Archaeology and ancient history; 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; English literatures; environmental humanities; French; history; Indigenous studies; international relations; Japanese; legal studies; philosophy; photography; politics; sociology; Spanish; Western civilisation (liberal arts); writing and English literature.

Assumed knowledge: Any 2 units of English.

Recommended studies: English Advanced. **For language majors:** 2 units of language studies. **For Western civilisation:** English Advanced and History Extension.

Additional selection criteria: **For Western civilisation:** Written application and interview.

Arts, Social Science and Humanities (Dip)

Areas of study: Academic skills for social science, communication, computing studies, economics and society, government and political systems, history and sociology, human geography.

Assumed knowledge: Any 2 units of English.



Business

Areas of study: Accounting, business analytics, business law, economics, finance, financial planning, human resources, international business, management, marketing, public relations, sports marketing and management, supply chain management, sustainable business.

Assumed knowledge: Any 2 units of English.

Recommended studies: Any 2 units of mathematics.

Business (Dip)

Assumed knowledge: Any 2 units of English.

Business Administration

Areas of study: Accounting, economics, finance, financial planning, human resources, international business, management, marketing, public relations, supply chain management.

Assumed knowledge: Any 2 units of English.

Recommended studies: Any 2 units of mathematics.

Business Information Systems

Assumed knowledge: Any 2 units of English.

Recommended studies: Mathematics Advanced or Mathematics Standard 2.

Communication and Media

Areas of study: Digital and social media, journalism, marketing communication and advertising, screen media production, visual communication design.

Assumed knowledge: Any 2 units of English.

Recommended studies: English Advanced.

Computer Science

Areas of study: Artificial intelligence and big data, computer science, cyber security, digital systems security, game and mobile development, software engineering.

Assumed knowledge: Mathematics Advanced, any 2 units of English.

Recommended studies: Mathematics Extension 1.

Creative Arts

Areas of study: Creative writing, music, visual arts, visual arts and design.

Assumed knowledge: Any 2 units of English.

Recommended studies: English Advanced. *For visual arts and visual arts and design majors:* Visual Arts and/or Design and Technology and/or Textiles and Design.

For music: Music 2 or Music Extension.

Data Science and Analytics

Areas of study: Analytics, computer science and information technology, data management and security, data modelling, data science, mathematics, statistics.

Course prerequisite: Mathematics Advanced.

Assumed knowledge: Any 2 units of English.

Recommended studies: Mathematics Extension 1.

Economics and Finance

Areas of study: Economics, finance.

Assumed knowledge: Mathematics Advanced, any 2 units of English.

Engineering

Areas of study: Architectural, biomedical, civil, computer and autonomous systems, electrical and electronics, environmental, materials, mechanical, mechatronics, mining, telecommunications engineering and internet of things.

Assumed knowledge: Mathematics Advanced, any 2 units of English.

Recommended studies: Mathematics Extension 1, Engineering Studies, Physics, Chemistry. (Chemistry not required for computer and autonomous systems, electrical and electronics, mechatronics or telecommunications engineering and internet of things).

Engineering (Dip)

Areas of study: Design, mathematics, mechanics, physics.

Assumed knowledge: Mathematics Advanced, any 2 units of English.

Engineering – Scholar

Areas of study: Architectural, biomedical, civil, computer and autonomous systems, electrical and electronics, environmental, materials, mechanical, mechatronics, mining, telecommunications engineering and internet of things.

Assumed knowledge: Mathematics Advanced, any 2 units of English.

Recommended studies: Mathematics Extension 1, Engineering Studies, Physics, Chemistry. (Chemistry not required for computer and autonomous systems, electrical and electronics, mechatronics or telecommunications and internet of things).

Environmental Science

Areas of study: Climate and sustainability, land resources, wildlife and conservation.

Assumed knowledge: Mathematics Advanced plus one of Biology, Chemistry, Earth and Environmental Science or Geography.

Recommended studies: Any 4 units of science.

Exercise Science and Rehabilitation

Areas of study: Anatomy, biomechanics, exercise physiology, exercise prescription, exercise rehabilitation, neuromechanics, physiology.

Assumed knowledge: Mathematics Advanced, any 2 units of science.

Recommended studies: Biology, Chemistry.

Geography

Areas of study: Human and physical geography.

Assumed knowledge: Mathematics Advanced, any 2 units of science.

Recommended studies: Earth and Environmental Science, Geography.

Information Technology

Areas of study: Network design and management, web design and development.

Assumed knowledge: Any 2 units of English.

Recommended studies: Mathematics Advanced or Mathematics Standard 2.

Information Technology (Dip)

Areas of study: Data management, networks and communications, programming, system analysis, web technology.

Assumed knowledge: Any 2 units of mathematics.

Recommended studies: Mathematics Advanced.

International Studies

Areas of study: Global sustainable development, international history, international relations, languages.

Assumed knowledge: Any 2 units of English.

Recommended studies: English Advanced.

Journalism

Assumed knowledge: Any 2 units of English.

Recommended studies: English Advanced.

Law

Areas of study: Business and financial law, commercial law, constitutional law, contracts, criminal law, environmental law, family law, human rights, intellectual property, international law, jurisprudence, legal ethics, legal skills, litigation and practice skills/internships, property law, taxation, torts.

Assumed knowledge: Any 2 units of English.

Recommended studies: English Advanced.

A range of double degrees are available to be taken with the Law degree. Visit uow.edu.au/study/law/ for more information.

Marine Science

Areas of study: Coastal processes, fisheries and aquaculture, marine and freshwater biodiversity, marine ecology, marine policy and governance.

Assumed knowledge: Any 2 units of English, Mathematics Advanced, any 2 units of science.

Recommended studies: Any 4 units of science.

Mathematics

Areas of study: Applied mathematics, applied statistics, pure mathematics.

Course prerequisite: Mathematics Advanced.

Assumed knowledge: Any 2 units of English.

Recommended studies: Mathematics Extension 1.

Mathematics (Advanced)

Areas of study: Applied statistics, mathematical analysis, pure and applied mathematics.

Course prerequisite: Mathematics Extension 2.

Assumed knowledge: Any 2 units of English.

Mathematics and Finance

Areas of study: Financial planning, quantitative and computational trading, quantitative corporate finance and investment.

Course prerequisite: Mathematics Advanced.

Assumed knowledge: Any 2 units of English.

Recommended studies: Mathematics Extension 1.

Mathematics Education – see Teaching

Medical and Health Science

Areas of study: Anatomy, human and general biology, biochemistry, chemistry, neuroscience, physiology.

Assumed knowledge: Mathematics Advanced, any 2 units of science.

Recommended studies: Biology, Chemistry.

Medical and Health Science (Dip)

Areas of study: Applied sciences including anatomical, molecular, and physiological process of human health and function; chemical and biological.

Assumed knowledge: Any 2 units of mathematics.

Recommended studies: Mathematics Advanced.

Medical and Radiation Physics

Areas of study: Medical imaging, nuclear medicine, physics modelling, radiation protection, radiation therapy, radiobiology.

Assumed knowledge: Mathematics Advanced, Physics, any 2 units of English.

Recommended studies: English Advanced, Mathematics Extension 1.

Medical Biotechnology

Areas of study: Biochemistry, biotechnology, cellular and molecular biology, genetics, immunology.

Assumed knowledge: Mathematics Advanced, any 2 units of science.

Recommended studies: Biology, Chemistry.

Medicinal Chemistry

Areas of study: Biochemistry, chemistry, pharmacology, physiology.

Assumed knowledge: Chemistry, Mathematics Advanced.

Recommended studies: Any 4 units of science.

Neuroscience

Areas of study: Anatomy, biochemistry, chemistry, neuroscience, psychology.

Assumed knowledge: Biology, Chemistry, Mathematics Advanced.

Recommended studies: Any 4 units of science.

Nursing

Areas of study: Anatomy and physiology, indigenous health, nursing including acute, continuing, primary and mental health care, pathophysiology and pharmacology.

Assumed knowledge: Any 2 units of English.

Nursing (Dip)

Areas of study: Administer medications, communication skills, nursing for primary, chronic, aged and mental health care, wound management.

Nutrition and Dietetics/Nutrition Science

Areas of study: Biochemistry, clinical dietetics, community and public health nutrition, food composition, food service management, nutrition research, physiology.

Assumed knowledge: Mathematics Advanced, any 2 units of science.

Recommended studies: Biology, Chemistry.

Performance and Theatre

Areas of study: Acting, producing and directing, singing, sound design and lighting, stage management, theatre-making, technical theatre, writing.

Assumed knowledge: Any 2 units of English.

Recommended studies: English Advanced, Drama.

Additional selection criteria: *For acting major:* Audition and interview.

Politics, Philosophy, Economics

Assumed knowledge: Any 2 units of English.

Recommended studies: English Advanced.

Pre-Medicine, Science and Health

Areas of study: Anatomy, biology, chemistry, human anatomy, human physiology, molecular medicine, nutrition.

Assumed knowledge: Mathematics Advanced, any 2 units of science.

Recommended studies: Biology, Chemistry.

Psychology

Assumed knowledge: Any 2 units of English.

Recommended studies: Mathematics Advanced.

Public Health

Areas of study: Public health.

Assumed knowledge: Any 2 units of English.

Science

Areas of study: Atmospheric science, biology, biomolecular physics, cell and molecular biology, chemistry, earth sciences, ecology and conservation biology, human geography, land and heritage management, mathematics and physics, nuclear and space radiation technology, physics.

Assumed knowledge: Mathematics Advanced, any 2 units of science. ***For mathematics and physics, nuclear and space radiation technology:*** Mathematics Advanced, any 2 units of English.

Recommended studies: Any 4 units of science. ***For mathematics and physics, nuclear and space radiation technology, physics:*** Chemistry, Mathematics Extension 1, Physics.

Advanced

Areas of study: Atmospheric science, biomolecular physics, physics.

Assumed knowledge: Mathematics Advanced, any 2 units of science.

Recommended studies: Chemistry, Mathematics Extension 1, Physics.

Science Education – see Teaching

Science (Dip)

Areas of study: Biodiversity and environment, biological sciences and climate change, chemistry, earth sciences, mathematics.

Assumed knowledge: Any 2 units of mathematics.

Recommended studies: Mathematics Advanced.

Social Science

Areas of study: Criminology, human geography, human services, occupational health and safety, sociology.

Assumed knowledge: Any 2 units of English.

Social Work

Areas of study: Social work.

Assumed knowledge: Any 2 units of English.

Sport

Areas of study: Coaching, game observation and analysis, sports education and physical movement.

Assumed knowledge: Any 2 units of English.

Recommended studies: Personal Development, Health and Physical Education (PDHPE).

Sustainable Communities

Areas of study: Human geography, social and environmental sustainability, social policy.

Assumed knowledge: Any 2 units of English.

Recommended studies: Geography.

Teaching

Early Years

Assumed knowledge: Any 2 units of English.

Recommended studies: Any 2 units of mathematics.

Health and Physical Education

Assumed knowledge: Any 2 units of English.

Recommended studies: Any 2 units of science or Personal Development, Health and Physical Education (PDHPE).

Mathematics Education

Course prerequisite: Mathematics Advanced.

Assumed knowledge: Mathematics Advanced (Band 4), any 2 units of English.

Recommended studies: Mathematics Extension 1.

Primary Education

Assumed knowledge: Any 2 units of English.

Recommended studies: Any 2 units of mathematics.

Science Education

Assumed knowledge: Mathematics Advanced, any 2 units of English.

Recommended studies: Any 4 units of science, selected from Biology, Chemistry, Earth and Environmental Science, Physics.

Technology

Areas of study: Cyber network security, electronics, industry 4.0, mathematics.

Assumed knowledge: Any 2 units of English.

Recommended studies: Mathematics Standard 2.

Double degrees

See uow.edu.au for details of double degree combinations available.

If you intend to undertake double degrees check the prerequisites, assumed knowledge and recommended studies for both degrees.

Get in touch

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UNSW Sydney NSW 2052

tel: 1300 UNI NSW (1300 864 679)
live chat: futurestudents.unsw.edu.au/ask-question
email: futurestudents@unsw.edu.au
website: unsw.edu.au or futurestudents.unsw.edu.au



Scan for general information about UNSW, including admission criteria, or go to uac.edu.au/unsw.

! Read this first

- UNSW's HSC Plus recognises performance in relevant HSC subjects. For further information, visit unsw.edu.au/study/how-to-apply/undergraduate/entry-requirements/adjustment-factors.
- For HSC courses listed as assumed knowledge, students are expected to have a level of performance at Band 4 or higher.
- Assumed knowledge helps prepare students for their degree and sets them up for success in their studies. While UNSW does not have any subject prerequisites, students who do not have the level of assumed knowledge specified may find themselves at a disadvantage when taking their first-year courses.
- For students who haven't studied the assumed knowledge subjects we strongly recommend considering taking a bridging course. UNSW runs bridging courses in Chemistry, Physics and Mathematics (equivalent to Mathematics Extension 1). These are held just before Term 1, with the Mathematics bridging course also running again before Terms 2 and 3.

Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations within the course.

Actuarial Studies

Areas of study: Accounting, actuarial risk management and analytics, actuarial studies, behavioural economics, business analytics, business economics, finance, quantitative data science.

Assumed knowledge: Mathematics Extension 1.

Recommended studies: English Advanced, Mathematics Extension 2.

Advanced Mathematics (Honours)

Areas of study: Advanced statistics, applied mathematics, pure mathematics.

Assumed knowledge: Mathematics Extension 1.

Recommended studies: Mathematics Extension 2.



Advanced Science (Honours)

Areas of study: Advanced physical oceanography, advanced physics, anatomy, bioinformatics, biology, biotechnology, chemistry, climate dynamics, climate systems science, earth science, ecology, genetics, geography, immunology, marine and coastal science, materials science, mathematics, microbiology, molecular and cell biology, neuroscience, pathology, pharmacology, physiology, psychology, statistics, vision science.

Assumed knowledge: Mathematics Advanced or Mathematics Extension 1 (depending on chosen area of study) plus one or more of Biology, Chemistry, Earth and Environmental Science, Physics.

Architectural Studies

Areas of study: Architectural design, communications, computer modelling, design studio, history and theory, materials, professional practice, structure and construction, technical drawing and model making, technology and environment.

Recommended studies: Ancient History, Design and Technology, English Advanced, Modern History, Visual Arts.

Arts

Areas of study: Anthropology, art theory, Asian studies, Australian studies, criminology, creative writing, english, environmental humanities, european studies, film studies, gender studies, geographical studies, global development, history, indigenous studies, Italian studies, languages, Chinese, French, German, Japanese, Korean, Spanish, linguistics, media, culture and technology, modern Greek studies, music studies, philosophy, politicals and international relations, sociology, psychology, theatre and performance.

Recommended studies: English Advanced.

Aviation

Flying

Assumed knowledge: Mathematics Advanced.

Recommended studies: Physics.

Additional selection criteria: Medical examination, internal application, interview.

Management

Assumed knowledge: Mathematics Advanced.

Recommended studies: Physics.

Biotechnology (Honours)

Assumed knowledge: Chemistry, Mathematics Advanced.

Recommended studies: Biology.

City Planning

Areas of study: City analytics, city economics, environmental science, heritage planning, heritage studies, housing policy, GIS, planning history, planning law, planning theory and methodology, sociology, strategic planning, transport planning, urban design, urban renewal.

Recommended studies: Design and Technology, Economics, English Advanced, Geography, Legal Studies, Society and Culture.

Clinical Exercise Physiology

Assumed Knowledge: Chemistry, Mathematics Advanced.

Recommended studies: Biology, Physics, Personal Development, Health and Physical Education (PDHPE).

Commerce

Areas of study: Accounting, behavioural economics, business analytics, business economics, finance, FinTech, human resource management, information systems, innovation, international business, marketing, strategy and entrepreneurship, taxation.

Assumed knowledge: Mathematics Advanced.

Recommended studies: English Advanced, Mathematics Extension 1.

Commerce (International)

Areas of study: Accounting, Asian studies, behavioural economics, business analytics, business economics, Chinese studies, European studies, finance, FinTech, French studies, German studies, global development, history, human resource management, information systems, innovation, international business, Japanese studies, Korean studies, marketing, politics and international relations, Spanish and Latin American studies, strategy and entrepreneurship, taxation.

Assumed knowledge: Mathematics Advanced.

Recommended studies: English Advanced, Mathematics Extension 1, Languages.

Computer Science

Assumed knowledge: Mathematics Extension 1.

Recommended studies: Engineering Studies, Mathematics Extension 2, Enterprise Computing, Physics, Software Engineering.

Construction Management and Property

Areas of study: Building construction, building science materials and structure, construction project management, construction technology, facilities management, economics and law, management, property development, quantity surveying.

Recommended studies: English Advanced, Mathematics Advanced.

Criminology and Criminal Justice

Areas of study: Criminal justice, criminology, social research and policy.

Data Science and Decisions

Areas of study: Business data science, computational data science, quantitative data science.

Assumed knowledge: Mathematics Extension 1.

Design

Areas of study: 3D printing, 3D visualisation, ceramic, computational design, experience, furniture, graphics, industrial design, interaction, jewellery, object, textiles, UX design.

Recommended studies: Design and Technology, Industrial Technology, Enterprise Computing, Textiles and Design, Visual Arts.

Dietetics and Food Innovation

Assumed knowledge: Chemistry, Mathematics Advanced.

Economics

Areas of study: Accounting, behavioural economics, business analytics, data analytics and econometrics, economic policy and society, finance, FinTech, human resource management, information systems, innovation, international business, marketing, microeconomics and financial markets, strategy and entrepreneurship, taxation.

Assumed knowledge: Mathematics Advanced.

Recommended studies: English Advanced, Mathematics Extension 1.

Education

Arts/Education (Secondary)

Assumed knowledge: Any 2 units of English (Band 5).

Recommended studies: English Advanced.

Commerce/Education (Secondary)

Assumed knowledge: Mathematics Advanced, any 2 units of English (Band 5).

Recommended studies: English Advanced.

Design/Education (Secondary)

Assumed knowledge: Any 2 units of English (Band 5).

Recommended studies: English Advanced, Design and Technology, Industrial Technology, Enterprise Computing, Textiles and Design, Visual Arts.

Economics/Education (Secondary)

Assumed knowledge: Mathematics Advanced, any 2 units of English (Band 5).

Recommended studies: English Advanced.

Fine Arts/Education (Secondary)

Assumed knowledge: Any 2 units of English (Band 5).

Recommended studies: English Advanced, Visual Arts.

Additional selection criteria: Audition for Music specialisation.

Science/Education (Secondary)

Assumed knowledge: Any 2 units of English (Band 5), Mathematics Advanced or Mathematics Extension 1 (depending on chosen area of study) plus one or more of Biology, Chemistry, Earth and Environmental Science, Physics.

Recommended studies: English Advanced.

Engineering

Aerospace Engineering

Biomedical Engineering

Civil Engineering

Civil Engineering with Architecture

Electrical Engineering

Environmental Engineering

Mechanical and Manufacturing Engineering

Mechanical Engineering

Mechatronic Engineering

Mining Engineering

Photovoltaics and Solar Energy Engineering

Quantum Engineering
Renewable Energy Engineering
Surveying
Telecommunications

Assumed knowledge: Mathematics Extension 1, Physics.

Recommended studies: Biology, Chemistry, Engineering Studies, Mathematics Extension 2, Enterprise Computing, Software Engineering.

Bioinformatics Engineering
Computer Engineering
Software Engineering

Assumed knowledge: Mathematics Extension 1.

Recommended studies: Biology, Engineering Studies, Mathematics Extension 2, Enterprise Computing, Software Engineering.

Chemical Engineering
Chemical Product Engineering

Assumed knowledge: Chemistry, Mathematics Extension 1, Physics.

Recommended studies: Biology, Engineering Studies, Mathematics Extension 2, Enterprise Computing, Software Engineering.

Environmental Management

Areas of study: Biology, earth science, ecology, environmental chemistry, geography, marine and coastal science.

Assumed knowledge: Mathematics Advanced plus one or more of Biology, Chemistry, Earth and Environmental Science, Physics.

Fine Arts

Areas of study: 3D visualisation, animation, art history, art theory, creative practice, curating, drawing, moving image, music, music pedagogy, painting, photography, printmaking, sculpture, sonic arts, sound, visual effects.

Recommended studies: Visual Arts. **For music specialisation:** Either Grade 7 AMEB Performance (or equivalent) and Music 2 or Grade 6 AMEB Musicianship (or equivalent) or Music Extension.

Food Science

Assumed knowledge: Chemistry, any 2 units of mathematics.

Recommended studies: Biology, Physics.

Information Systems

Assumed knowledge: Mathematics Advanced.

Recommended studies: English Advanced, Mathematics Extension 1.

Interior Architecture

Areas of study: Communication, computer modelling, design studio, history and theory, materials, practice, technical drawing and model making, technology.

Recommended studies: Ancient History, Design and Technology, English Advanced, Modern History, Textiles and Design, Visual Arts.

International Public Health

Areas of study: Disease transmission, epidemiology and biostatistics, health impacts of climate change, health leadership, Indigenous health, international development and policy, population and global health, prevention and control, women and children's health.

Assumed knowledge: English Standard.

Recommended studies: Biology, Personal Development, Health and Physical Education (PDHPE).

Landscape Architecture

Areas of study: Communication, design studio, ecological processes, environmental technology and practice, history and theory, landscape engineering principles, plants and design.

Recommended studies: Design and Technology, English Advanced, Geography, Visual Arts.

Law (Double)

- | | |
|--|--|
| ■ Actuarial Studies/Law | ■ Engineering (Hons)/Law |
| ■ Advanced Mathematics (Hons)/Law | ■ Fine Arts/Law |
| ■ Advanced Science (Hons)/Law | ■ Media/Law |
| ■ Arts/Law | ■ Medicinal Chemistry (Hons)/Law |
| ■ City Planning (Hons)/Law | ■ Politics, Philosophy and Economics/Law |
| ■ Commerce/Law | ■ Psychological Science/Law |
| ■ Computer Science/Law | ■ Psychology (Hons)/Law |
| ■ Criminology and Criminal Justice/Law | ■ Science/Law |
| ■ Data Science and Decisions/Law | ■ Social Sciences/Law |
| ■ Economics/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: All students wishing to study undergraduate law at UNSW must sit the Law Admission Test (LAT).^{*} For more information visit law.unsw.edu.au/lat.

^{*} *Indigenous students undertaking the Pre-Law Program at UNSW or students applying via UNSW Gateway are not required to sit the LAT. International students are not eligible to sit the LAT.*

Materials Science and Engineering (Honours)

Areas of study: Ceramic engineering, functional materials, materials engineering, physical metallurgy, process metallurgy.

Assumed knowledge: Mathematics Extension 1, Physics.

Recommended studies: Mathematics Extension 2, Engineering Studies.

Media

Areas of study: Advertising, animation, cinema studies, communications, film, journalism, public relations, screen production, social media.

Recommended studies: English Advanced.

Medical Science

Areas of study: Human anatomy, human pathology, medical microbiology, medical pharmacology, medical physiology, molecular biology, molecular genetics, neurobiology.

Assumed knowledge: Mathematics Advanced, Chemistry.

Medicinal Chemistry (Honours)

Assumed knowledge: Mathematics Advanced, Chemistry.

Recommended studies: Biology, Physics.

Medicine

Assumed knowledge: English Standard.

Recommended studies: Chemistry, Biology.

Additional selection criteria: University Clinical Aptitude Test (UCAT ANZ), individual interview.

Pharmacy

Assumed knowledge: Chemistry, Mathematics Advanced.

Physiotherapy and Exercise Physiology

Assumed knowledge: Chemistry, Mathematics Advanced.

Recommended studies: Biology, Physics, Personal Development, Health and Physical Education (PDHPE).

Politics, Philosophy and Economics

Areas of study: Economics, philosophy, and politics and international relations.

Assumed knowledge: Mathematics Advanced.

Psychological Science

Areas of study: Criminology, human resource management, linguistics, marketing, neuroscience, philosophy, psychology, vision science.

Assumed knowledge: Mathematics Advanced.

Recommended studies: Biology, Chemistry, English Advanced.

Psychology (Honours)

Assumed knowledge: Mathematics Advanced.

Recommended studies: Biology, Chemistry, English Advanced.

Science

Areas of study: Anatomy, bioinformatics, biology, biotechnology, chemistry, earth science, ecology, food science, genetics, geography, immunology, marine and coastal science, materials science, mathematics, microbiology, molecular and cell biology, neuroscience, pathology, pharmacology, physical oceanography, physics, physiology, psychology, statistics, vision science.

Assumed knowledge: Mathematics Advanced or Mathematics Extension 1 (depending on chosen area of study) plus one or more of Biology, Chemistry, Earth and Environmental Science, Physics.

Social Sciences

Areas of study: Economics, entrepreneurship, environmental humanities, gender studies, geographical studies, global development, humanitarian engineering, human resource management, Indigenous studies, innovation, international business, international studies, languages (Chinese, French, German, Greek, Italian, Japanese, Korean, Spanish), marketing, media, politics and international relations, sociology and anthropology, strategy.

Recommended studies: English Advanced.

Social Work

Recommended studies: English Advanced.

Vision Science and Optometry

Vision Science

Vision Science/Clinical Optometry

Assumed knowledge: Chemistry, English Advanced, Mathematics Advanced, Physics.

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.

- Actuarial Studies/Advanced Mathematics (Hons)
- Actuarial Studies/Commerce
- Actuarial Studies/Computer Science
- Actuarial Studies/Economics
- Actuarial Studies/Information Systems
- 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 Sciences
- 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
- Commerce/Science
- Computer Science/Arts
- Computer Science/Fine Arts
- Criminology and Criminal Justice/Social Work (Hons)
- Design/Media
- Economics/Advanced Mathematics (Hons)
- Economics/Advanced Science (Hons)
- Economics/Arts
- Economics/Computer Science
- Economics/Science
- Engineering (Hons)/Arts
- Engineering (Hons)/Fine Arts
- Engineering (Hons)/Biomedical Engineering
- Engineering (Hons)/Commerce
- Engineering (Hons)/Computer Science
- Engineering (Hons)/Engineering Science
- Engineering (Hons)/Science
- Engineering (Hons)/Surveying
- Environmental Management/Arts
- Fine Arts/Arts
- Fine Arts/Media
- Materials Science and Engineering (Hons)/Biomedical Engineering
- Materials Science and Engineering (Hons)/Commerce
- Materials Science and Engineering (Hons)/Engineering Science (Chemical Engineering)
- Media/Arts
- Media/Social Sciences
- Medicine/Arts
- Science/Arts
- Science/Computer Science
- Science/Fine Arts
- Science/Social Sciences
- Social Work (Hons)/Arts
- Social Work (Hons)/Criminology and Criminal Justice
- Social Work (Hons)/Social Sciences

Double degrees in Law and Education are also offered. Refer to the main subject area for details.



CRICOS provider number: 00098G
TEQSA provider ID: PRV12055

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Canberra BC ACT 2610

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Northcott Drive
Campbell ACT 2612

tel: (+61 2) 5114 5242

email: student.recruitment@adfa.edu.au

website: unsw.adfa.edu.au/study



Scan for general information about UNSW-ADFA, including admission criteria, or go to uac.edu.au/unsw-adfa.

Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations within the course.

Arts

Areas of study: Business, English and media studies, geography, history, Indonesian studies, international and political studies.

Assumed knowledge: Any 2 units of English.

Offered to: ADFA trainee officers.

Additional selection criteria: ADFA trainee officers: Selection process with Defence Force Recruiting for entry to the Australian Defence Force.

Business

Assumed knowledge: Any 2 units of English.

Offered to: ADFA trainee officers.

Additional selection criteria: ADFA trainee officers: Selection process with Defence Force Recruiting for entry to the Australian Defence Force.

Computing and Cyber Security

Assumed knowledge: Mathematics Advanced.

Offered to: ADFA trainee officers, DCUS students.

Additional selection criteria: ADFA trainee officers: Selection process with Defence Force Recruiting for entry to the Australian Defence Force.

Defence Civilian Undergraduate Sponsorship (DCUS) students: Selection process with the Department of Defence.



Engineering

Aeronautical Engineering

Civil Engineering

Electrical Engineering

Mechanical Engineering

Naval Architecture

Assumed knowledge: Mathematics Advanced, Physics.

Offered to: ADFA trainee officers, Non-Defence students, DCUS students.

Additional selection criteria: ADFA trainee officers: Selection process with Defence Force Recruiting for entry to the Australian Defence Force.

Defence Civilian Undergraduate Sponsorship (DCUS) students: Selection process with the Department of Defence.

Science

Areas of study: Majors: Aviation, chemistry, computer science, geography, mathematics, oceanography, physics.

Assumed knowledge: For Aviation, Chemistry, Oceanography and Physics majors: Mathematics Advanced.

For Aviation, Oceanography and Physics majors: Physics.

Offered to: ADFA trainee officers.

Additional selection criteria: ADFA trainee officers: Selection process with Defence Force Recruiting for entry to the Australian Defence Force.

Technology

Aeronautical Engineering

Assumed knowledge: Mathematics Advanced, Physics.

Offered to: ADFA trainee officers.

Additional selection criteria: ADFA trainee officers: Selection process with Defence Force Recruiting for entry to the Australian Defence Force.



CRICOS provider number: 00917K
TEQSA provider ID: PRV12061

Get in touch

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Western Sydney University
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Penrith NSW 2751
tel: 1300 897 669
email: study@westernsydney.edu.au
website: westernsydney.edu.au

In person

Campus locations are: Bankstown City, Campbelltown, Hawkesbury, Lithgow, Liverpool City, Nirimba (Blacktown), Parramatta, Parramatta City, Penrith, Sydney City, Sydney Olympic Park, Westmead.



Scan for general information about WSU, including admission criteria, or go to uac.edu.au/ws.



Read this first

- When you read 'any 2 units of science' this can include Biology, Chemistry, Physics, Earth and Environmental Science or Investigating Science.

Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets. Subheadings are specialisations within the course.

Accounting

Areas of study: Accounting, taxation and financial planning.

Assumed knowledge: Any 2 units of mathematics, any 2 units of English.

Applied Data Science

This degree can be undertaken in combination with any Western Sydney University bachelor degree. It is not a standalone degree.

Assumed knowledge: Any 2 units of mathematics.

Recommended studies: Mathematics Advanced, Enterprise Computing.

Architectural Design

Assumed knowledge: English Standard (or higher), and Science and/or Mathematics Advanced (Band 4 or above).

Recommended studies: Design and Technology.



Arts

Areas of study: Anthropology, Arabic, childhood studies, Chinese, creative writing, criminology and criminal justice, culture and society, economy and markets, English, geography and urban studies, global business, heritage and tourism, history and political thought, Indigenous Australian studies, Indonesian, innovation and change, international English, international relations and Asian studies, Islamic studies, Japanese, linguistics, musicology, music performance, organisations and work, peace and development studies, philosophy, psychological studies, sociology.

Assumed knowledge: Any 2 units of English (Band 4).

Recommended studies: English Standard.

Arts (Pathway to Teaching Early Childhood/Primary)*

Assumed knowledge: Any 2 units of English, any 2 units of mathematics.

Arts (Pathway to Teaching Primary)*

Assumed knowledge: Any 2 units of English (Band 5).

Recommended studies: English Standard.

Arts (Pathway to Teaching Secondary)*

Assumed knowledge: Any 2 units of English (Band 5).

Recommended studies: English Standard.

Interpreting and Translation

Assumed knowledge: Any 2 units of English. Applicants should be a native or near native speaker of Arabic, Chinese, Japanese or Spanish.

Languages and Linguistics

Assumed knowledge: Any 2 units of English.

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

Arts (Dip)

Assumed knowledge: Any 2 units of English.

Building Design Management

Building Design Management (Dip)

Assumed knowledge: Any 2 units of English, any 2 units of mathematics, any 2 units of science.

Business

Accounting
Applied Finance
Business Analytics
Economics
Human Resource Management
International Business
Management
Marketing
Property
Sport Management

Assumed knowledge: Any 2 units of mathematics, any 2 units of English.

Business (Dip)

Business (Pathway to Teaching Secondary)

Assumed knowledge: Any 2 units of English, plus any 2 units of mathematics.

Communication

Communication (Dip)

Areas of study: Advertising, journalism, public relations, screen media.

Assumed knowledge: Any 2 units of English.

Screen Media (Arts and Production)

Assumed knowledge: Any 2 units of English.

Computer Science

Computer Science (Advanced)

Areas of study: Cloud computing, cyber security, networked systems, systems programming and artificial intelligence, technology entrepreneurship.

Assumed knowledge: Mathematics Advanced, any 2 units of English.

Construction Management Advanced (Honours)

Construction Management (Honours)

Construction Management (Dip)

Construction Technology

Assumed knowledge: Any 2 units of English, any 2 units of mathematics.

Creative Industries

Areas of study: Advertising, creative writing, culture and society, digital cultures, English, enterprise innovation, graphic design, journalism, law and the creative industries, music, public relations, screen media.

Assumed knowledge: Any 2 units of English.

Recommended studies: Design and Technology.

Creative Leadership

This degree can be undertaken in combination with any Western Sydney University bachelor degree. It is not a standalone degree.

Assumed knowledge: Any 2 units of English.

Criminal and Community Justice

Criminal and Community Justice (Dip)

Areas of study: Criminal and community justice.

Assumed knowledge: Any 2 units of English.

Criminology

Areas of study: Criminology.

Assumed knowledge: Any 2 units of English.

Cyber Security and Behaviour

Areas of study: Criminology, cybercrime, data informatics, psychology, systems security.

Assumed knowledge: English Standard.

Recommended studies: Mathematics Advanced, Enterprise Computing, any 2 units of science.

Data Science

Assumed knowledge: Any 2 units of English, Mathematics Advanced.

Design

Design (Dip)

Design and Technology

Assumed knowledge: Any 2 units of English plus at least two of Business Studies, Design and Technology, Engineering Studies, Visual Arts.

Visual Communication

Areas of study: Data visualisation, design history, graphic design, illustration, interactive, motion design, photomedia, research methods, visual storytelling, web- and time-based design.

Assumed knowledge: One or more of Design and Technology, Visual Arts.

Education

Arts (Pathway to Teaching Early Childhood/Primary)*

Assumed knowledge: Any 2 units of English (Band 4), any 2 units of mathematics (Band 4).

Recommended studies: English Standard (Band 4).

Arts (Pathway to Teaching Primary)

Assumed knowledge: Any 2 units of English, any 2 units of mathematics.

Recommended studies: English Standard.

Arts (Pathway to Teaching Secondary)

Assumed knowledge: Any 2 units of English, any 2 units of mathematics.

Recommended studies: English Standard.

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

Education (Early Childhood)

Assumed knowledge: Any 2 units of English, any 2 units of mathematics.

Education (Primary) – Aboriginal and Torres Strait Islander Education

Available only to Aboriginal and Torres Strait Islander students.

Additional selection criteria: There are two pathways into the course: 1. ATAR or equivalent selection rank, 2. Aboriginal and Torres Strait Islander Pathway Program. Check with the University for more details.

Education (Primary)

Assumed knowledge: Band 5 in three subjects, one of which must be English or Band 5 in 2 mathematics and science subjects and any 2 units of English.

Recommended studies: English Standard. Mathematics Advanced.

Business (Pathway to Teaching Secondary)

Assumed knowledge: Any 2 units of mathematics, any 2 units of English.

Graphic Design (Pathway to Teaching Secondary)

Assumed knowledge: Any 2 units of English.

Recommended studies: Design and Technology, Visual Arts, Enterprise Computing.

Health and Physical Education (Pathway to Teaching Secondary)

Assumed knowledge: Any 2 units of English (Band 4), any 2 units of mathematics.

Recommended studies: Personal Development, Health and Physical Education (PDHPE) or Community and Family Studies.

Science (Pathway to Teaching Primary/Secondary)

Assumed knowledge: Any 2 units of English, any 2 units of science, any 2 units of mathematics.

Engineering (Honours)

Engineering (Advanced) (Honours)

Areas of study: Advanced manufacturing, civil, construction, electrical, materials, mechanical, robotics and mechatronics, software, sustainability.

Assumed knowledge: Mathematics Advanced (Band 5 or higher), any 2 units of science, any 2 units of English.

Recommended studies: Physics and Mathematics Extension 1 or Mathematics Extension 2.

Engineering (Dip)

Assumed knowledge: Any 2 units of English, any 2 units of mathematics and physics.

Engineering Science

Assumed knowledge: Mathematics Advanced (Band 4 or higher), any 2 units of science, any 2 units of English.

Recommended studies: Physics, Mathematics Advanced.

Entrepreneurship

This degree can be undertaken in combination with any Western Sydney University bachelor degree. It is not a standalone degree.

Assumed knowledge: Any 2 units of mathematics.

Entrepreneurship (Games Design and Simulation)

Assumed knowledge: Mathematics Advanced, any 2 units of English.

Recommended studies: Enterprise Computing or Software Engineering.

Graphic Design

Pathway to Teaching Secondary

Assumed knowledge: Any 2 units of English, any 2 units of mathematics.

Recommended studies: Design and Technology, Visual Arts, Enterprise Computing.

Health Science

Clinical Sciences

Health Promotion

Health Services Management

Public Health

Recreational Therapy

Assumed knowledge: Any 2 units of English.

Health and Physical Education

Assumed knowledge: Any 2 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 2 units of English (Band 4).

Recommended studies: Personal Development, Health and Physical Education (PDHPE) or Community and Family Studies plus English Standard.

Health Science (Dip)

Areas of study: Health and physical education, health promotion, health services management, physical development, therapeutic recreation.

Assumed knowledge: Any 2 units of English.

Sport and Exercise Science

Assumed knowledge: Any 2 units of English.

Recommended studies: Any 4 units of science and/or mathematics.

Humanitarian and Development Studies

Areas of study: Human rights, protection and development, humanitarian preparedness and response.

Assumed knowledge: English Standard.

Industrial Design

Industrial Design (Honours)

Assumed knowledge: Any 2 units of English, plus at least 2 units of Business Studies, Design and Technology, Engineering Studies, Visual Arts.

Information and Communications Technology

Information and Communications Technology (Advanced)

Information and Communications Technology (Dip)

Information and Communications Technology (Health Information Management)

Areas of study: Cyber security, entertainment computing, health informatics, mathematics, mobile computing, networking, technology entrepreneurship.

Assumed knowledge: Mathematics Advanced, any 2 units of English.

Information Systems

Information Systems (Advanced)

Areas of study: Business analytics, Big data, entertainment computing, health informatics, interactive analytics, mathematics, mobile computing, networking, technology entrepreneurship.

Assumed knowledge: Any 2 units of mathematics, any 2 units of English.

International Studies

Assumed knowledge: Any 2 units of English (Band 4).

Recommended studies: English Standard.

Laws

Laws (Combined)

- Accounting/Laws
- Arts/Laws
- Arts (Psychology)/Laws
- Business /Laws
- Communication/Laws
- Construction Management Studies/Laws
- Criminal and Community Justice/Laws
- Criminology/Laws
- Information and Communications Technology/Laws
- Information Systems (Advanced)/Laws
- Information Systems/Laws
- International Studies/Laws
- Science/Laws
- Social Science/Laws

Assumed knowledge: *For Laws:* Any 2 units of English or equivalent. *For the other area of study:* Refer to the relevant entry.

Mathematics

Assumed knowledge: Mathematics Advanced, any 2 units of English.

Medical Science

Advanced Medical Science

Anatomy and Physiology

Biomedical Science

Nutrition

Assumed knowledge: Any 2 units of English, any 2 units of science, any 2 units of mathematics.

Recommended studies: At least two of Biology, Chemistry, Physics, Mathematics Advanced.

Medicine

Recommended studies: Chemistry.

Additional selection criteria: University Clinical Aptitude Test (UCAT ANZ) and interview performance.

Midwifery

Assumed knowledge: Any 2 units of English, any 2 units of mathematics, any 2 units of science.

Additional selection criteria: Interview.

Music

Areas of study: Composition, music performance, musicology, music production studies.

Assumed knowledge: Any 2 units of music (Band 4).

Nursing

Assumed knowledge: Any 2 units of English, any 2 units of mathematics, any 2 units of science.

Occupational Therapy

Assumed knowledge: Any 2 units of English.

Recommended studies: Physics, Chemistry plus Biology and/or Personal Development, Health and Physical Education (PDHPE).

Paramedicine

Assumed knowledge: Any 2 units of English.

Recommended studies: Biology.

Physiotherapy

Assumed knowledge: Any 2 units of English.

Recommended studies: Biology.

Planning

Pathway to Master of Urban Management and Planning

Areas of study: Geography, urban studies.

Assumed knowledge: Any 2 units of English.

Podiatric Medicine

Assumed knowledge: Any 2 units of English.

Recommended studies: Any 2 units of mathematics, Physics, Biology.

Policing

Policing (Leadership Program)

Areas of study: Criminal justice, criminology, policing theory and practice.

Psychological and Social Science

Assumed knowledge: Any 2 units of English.

Recommended studies: Mathematics Advanced, any 2 units of science.

Psychology (Honours)

Assumed knowledge: Any 2 units of English.

Recommended studies: Mathematics Advanced, any 2 units of science.

Science

Advanced Science

Assumed knowledge: Any 2 units of English, any 2 units of science, any 2 units of mathematics.

Agrifood

Recommended studies: Any 2 units of science.

Animal Science

Recommended studies: Any 2 units of science.

Applied Physics

Recommended studies: Mathematics Advanced and/or Physics.

Biology

Recommended studies: At least one of Agriculture, Biology, Chemistry, Earth and Environmental Science, Geography.

Chemistry

Recommended studies: Chemistry, any 2 units of mathematics.

Environmental Health

Recommended studies: Any 2 units of science.

Forensic Science

Recommended studies: Any 2 units of mathematics, Biology or Chemistry.

Innovative Foods

Recommended studies: Biology or Chemistry, any 2 units of mathematics.

Science (Pathway to Teaching Primary/Secondary)

There are different majors attached to the Teaching pathway. Refer to the University website for more details.

Sustainable Environmental Futures

Recommended studies: Any 2 units of science.

Zoology

Recommended studies: At least one of Biology, Chemistry, Earth and Environmental Science, Geography.

Science (Dip)

Assumed knowledge: Any 2 units of English.

Recommended studies: Any 2 units of mathematics, any 2 units of science.

Social Science

Social Science (Advanced)

Areas of study: Anthropology, child and community studies, criminology and criminal justice, geography and urban studies, heritage and tourism, peace and development studies, sociology.

Assumed knowledge: Any 2 units of English.

Recommended studies: English Standard.

Social Work

Areas of study: Social work.

Assumed knowledge: Any 2 units of English.

Speech Pathology

Assumed knowledge: Any 2 units of English.

Sport Development

Assumed knowledge: Any 2 units of English.

Recommended studies: Personal Development, Health and Physical Education (PDHPE), Business Studies, Economics.

Tourism and Event Management

Assumed knowledge: Any 2 units of English.

Recommended studies: Geography and/or Business Studies.

Traditional Chinese Medicine

Assumed knowledge: Any 2 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
- Arts/Creative Industries
- Arts/Social Science
- Communication/Business
- Communication/Creative Industries
- Communication/International Studies
- Criminal and Community Justice/Social Work
- Design/Creative Industries
- Engineering (Honours)/Business
- Information and Communications Technology/Arts
- Information and Communications Technology/Business
- Information and Communications Technology/Business (Accounting)
- Information Systems (Advanced)/Business
- Information Systems/Business
- International Studies/Business
- International Studies/Social Science
- Music/Creative Industries
- Science/Arts
- Science/Business
- Science/International Studies

Combined/double degrees in Laws are also offered. Refer to main subject entry for details.

Steps to uni for Year 10 students

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About this publication

This booklet is for students in Year 10 in 2023 to help them decide which HSC courses to take in Years 11 and 12. It lists courses UAC's participating institutions will offer in 2026 with details of prerequisites, assumed knowledge, recommended studies and additional selection criteria.

Images

Good Thanks Media.

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Times

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