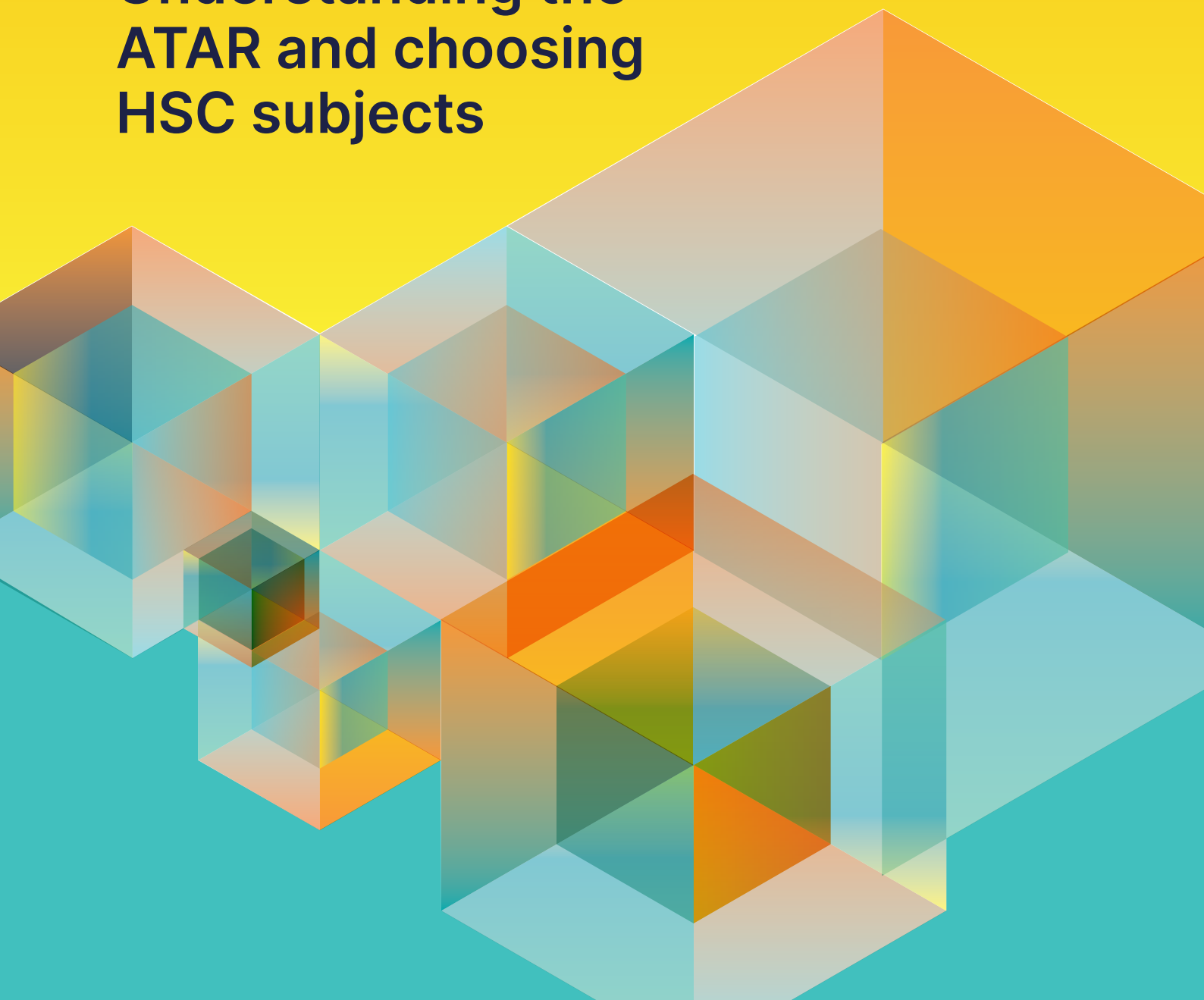


# Steps to uni for Year 10 students



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Understanding the  
ATAR and choosing  
HSC subjects



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# 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.

## What we do

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.

## Your next steps

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 (see spread on [pages 20 and 21](#)). Read on for top tips on navigating HSC course selection and a list of uni courses our participating institutions plan to offer in 2029.

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.

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Universities Admissions Centre (NSW & ACT) Pty Ltd




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[uac.edu.au](http://uac.edu.au)

# 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.

## Uni open days

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

View a list of open day dates and locations at [uac.edu.au/open-days](http://uac.edu.au/open-days).

## Introduction

In this book, the universities and colleges that make offers through UAC have listed the courses they plan to offer in 2029; 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.

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 book 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
- subject selection worksheets (see [page 20](#)) 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.



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# 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:

- ✓ satisfactorily complete at least 12 units of preliminary courses in Year 11
- ✓ satisfactorily 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
- ✓ three courses of 2 or more units (either Board Developed or Board Endorsed courses)
- ✓ four 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 2028 are listed in the tables on [pages 39 to 40](#).

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 2028, 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.

To be included in your ATAR, your HSC courses must be developed by NESA. Courses developed by NESA have formal examinations and give you a graded assessment. They include courses like Economics, Geography and Visual Arts. They also include **VET courses**, such as Hospitality and Financial Services, but you must sit the optional exam to have your marks contribute to the calculation of your ATAR.

Check the ATAR eligibility of different HSC course combinations using UAC's Subject Compass tool, or go to [uac.edu.au/subject-compass](http://uac.edu.au/subject-compass).

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

### 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 units from your remaining courses.

### 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 2025 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

HSC course	Median performance band	HSC mean	Scaled mean	Max. ATAR achieved by a student taking the course
Aboriginal Studies	4	70.6	29.6	99.90
Biology	4	73.4	52.4	99.95
English Advanced	5	82.2	65.6	99.95
Physics	4	74.0	62.0	99.95
Visual Arts	5	81.8	43.4	99.90
Hospitality	4	75.4	37.4	99.15

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 their 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. Read a detailed explanation of the ATAR at [uac.edu.au/atar](http://uac.edu.au/atar).

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.



## 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.

## 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](https://uac.edu.au/ib) to view:

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

## 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. Subjects are not assessed by examination set by a central authority. Each school determines the courses that they offer to students. An English course is the only compulsory course.

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 scale your course scores, which are then used to calculate your ATAR. The AST is a general test of higher order thinking abilities and is not dependent on subject specific knowledge.

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). A major course is a course studied for 3.5 units, with one semester of study being one unit. The scaled course scores are added to form an aggregate score.

Students are then ranked based on their aggregate score, and the ranking is converted to an ATAR.

You should 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.

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

For details of the most recent course-comparison information, go to [uac.edu.au/year12-quals](http://uac.edu.au/year12-quals).



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## 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
Creative Writing	English Studies (Examination)
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 33](#).

## 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

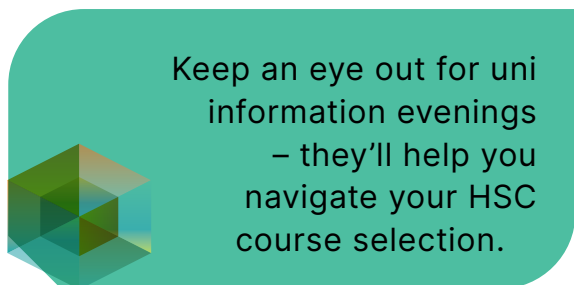
Many applicants receive an offer to a course even though they have an ATAR below the published lowest selection rank. Often this is because other factors have been taken into consideration in combination with their ATAR and their selection rank for that course has been adjusted, making it higher than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

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

Many institutions that participate through UAC have a scheme for applicants who, due to circumstances beyond their control or choosing, have experienced educational challenges affecting their educational performance during Years 11 and 12.

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

## 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.



### 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 I still be eligible for an ATAR?
- Is it a prerequisite for a university course that I might want to study?
- Is it assumed knowledge for a university course that I 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?**

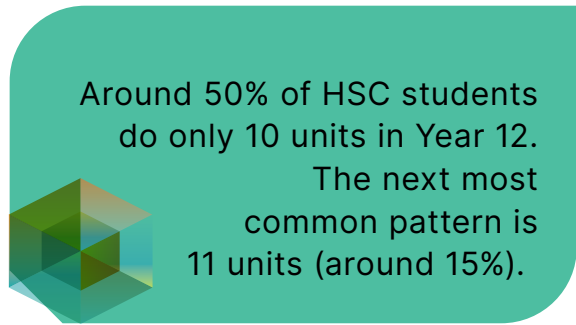
Yes, you can take a Year 12 course while in Year 11. The advantages of this can be:

- 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.



Around 50% of HSC students do only 10 units in Year 12. The next most common pattern is 11 units (around 15%).

### **? 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.



**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 better ATAR by studying more units?**

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



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

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



### **Can 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. You can also view your ATAR via UAC's website.

**? 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](http://uac.edu.au/atar-compass).

For a detailed explanation of the ATAR calculation, go to [uac.edu.au/atar](http://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.



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# 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 which university course you need to study. 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.

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

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



## **FRED AND LAURA**

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

Fred goes to school in the city and enjoys hanging out with his friends. 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.



## 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 of school. What extracurricular activities do you do? If you're good with pets, find out about jobs involving animals.

The table on [pages 22 to 31](#) will help link your interests to possible careers and subject choices.

## Who can you talk to?

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

- Talk with your parents and family about their career choices.
- Make an appointment with your school careers adviser, if you have one.
- 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 2,500 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](http://uac.edu.au/open-days).



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

## 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 22 to 31](#) 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.

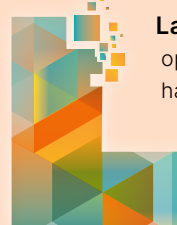
The most relevant subjects for him to study for the HSC are shown in the fourth column: Biology, Chemistry, English Advanced, Investigating Science, Mathematics Advanced, Health and Movement Science and Physics.

### 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 22 to 31](#) 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.

# Subject selection worksheet 1

## Who am I?

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 22 to 31](#) 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.



What am I interested in?

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My personal qualities are . . .

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My skills are . . . (eg writing, listening, drawing, problem-solving)

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Who inspires me? Why?

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Who can I talk to?

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# Subject selection worksheet 2

## What are my options?

The next step is to use the 'What are my options?' table on [pages 22 to 31](#) to match your answers in worksheet 1 with areas of study. Work your way across the sheet below, filling in each column from the information in the table.




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

Areas of study that match my interests, qualities and skills


What careers use those skills?

What tertiary courses could I study?

What subjects could I choose for Years 11 and 12?

 _____ _____ _____ _____	_____ _____ _____ _____	_____ _____ _____ _____	_____ _____ _____ _____
 _____ _____ _____ _____	_____ _____ _____ _____	_____ _____ _____ _____	_____ _____ _____ _____
 _____ _____ _____ _____	_____ _____ _____ _____	_____ _____ _____ _____	_____ _____ _____ _____

Step 1: Consider

 Think of this as a draft, not a final decision.

# 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 20 and 21](#), 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	ACAP University College	NAS	National Art School
ACPE	Australian College of Physical Education	SAE	SAE University College
ACU	Australian Catholic University	SCU	Southern Cross University
AIEI	AIE Institute	SPJ	SP Jain School of Global Management
AIM	Australian Institute of Music	TUA	Torrens University Australia
AIT	Academy of Interactive Technology	UC	University of Canberra
AMPA	Academy of Music and Performing Arts	UNDA	University of Notre Dame Australia
ANU	Australian National University	UNE	University of New England
AVU	Avondale University	UNSW	UNSW Sydney
COL	Collarts	UNSW-ADFA	UNSW Canberra at ADFA
CQU	CQUniversity	UNSWC	UNSW College
CSU	Charles Sturt University	UON	University of Newcastle
EXC	Excelsia University College	UOW	University of Wollongong
GU	Griffith University	USYD	University of Sydney
ICMS	International College of Management, Sydney	UTS	University of Technology Sydney
JMC	JMC Academy	WSU	Western Sydney University
LTU	La Trobe University		
MIT	MIT Sydney		
MQ	Macquarie University		



 <b>My interests, qualities and skills</b>	 <b>Careers that use my interests, qualities and skills</b>	 <b>Tertiary courses I could study</b>	 <b>HSC courses I could study</b>
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## Agriculture, Rural Studies and Animal Science

<p><b>I'm interested in ...</b> the land, the environment, crop growing, farming, plants, animal health/welfare, horse training</p> <p><b>I'm ...</b> observant, confident with animals, organised, good with detail, patient</p> <p><b>... and I'm good at ...</b> making things, planning, problem-solving, maths, technical drawing, manual work, working with animals</p>	<p><b>I could be an ...</b></p> <ul style="list-style-type: none"> <li>▪ animal handler</li> <li>▪ animal welfare officer</li> <li>▪ conservation manager</li> <li>▪ farmer</li> <li>▪ grazier</li> <li>▪ horticulturist</li> <li>▪ land manager</li> <li>▪ produce manager</li> <li>▪ quarantine officer</li> <li>▪ stud manager/trainer</li> <li>▪ veterinarian</li> <li>▪ winemaker</li> <li>▪ wool classer</li> <li>▪ zoologist</li> </ul>	<p><b>I could study ...</b></p> <ul style="list-style-type: none"> <li>▪ agribusiness</li> <li>▪ agricultural science</li> <li>▪ agrifoods</li> <li>▪ animal production science</li> <li>▪ crop production</li> <li>▪ equine science and horse management</li> <li>▪ farm and land management</li> <li>▪ horticulture</li> <li>▪ plant pathology, post-harvest technology</li> <li>▪ regenerative agriculture</li> <li>▪ veterinary science/technology</li> <li>▪ viticulture and wine science</li> <li>▪ wool science</li> <li>▪ zoology</li> </ul>	<p><b>... and I could choose these HSC courses ...</b></p> <ul style="list-style-type: none"> <li>▪ Agriculture</li> <li>▪ Biology</li> <li>▪ Chemistry</li> <li>▪ Earth and Environmental Science</li> <li>▪ Geography</li> <li>▪ Investigating Science</li> <li>▪ Mathematics Advanced</li> <li>▪ Physics</li> <li>▪ Primary Industries Exam</li> </ul>
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**Where can I study?** CQU | CSU | GU | LTU | MQ | SCU | UNE | USYD | WSU

## Architecture, Building, Design and Planning

<p><b>I'm interested in ...</b> how things work, cityscapes, buildings, building design, architecture, gardens, landscapes</p> <p><b>I'm ...</b> artistic, imaginative, organised, good with detail, creative, orderly, conscientious</p> <p><b>... and I'm good at ...</b> making things, coming up with original ideas, drawing, designing, solving problems</p>	<p><b>I could be an ...</b></p> <ul style="list-style-type: none"> <li>▪ architect</li> <li>▪ building manager</li> <li>▪ construction manager</li> <li>▪ environmental planner</li> <li>▪ estimator</li> <li>▪ industrial designer</li> <li>▪ interior designer</li> <li>▪ landscape architect</li> <li>▪ property valuer</li> <li>▪ surveyor</li> <li>▪ urban planner</li> </ul>	<p><b>I could study ...</b></p> <ul style="list-style-type: none"> <li>▪ architecture</li> <li>▪ construction economics</li> <li>▪ construction/project management</li> <li>▪ construction technology</li> <li>▪ fashion design</li> <li>▪ industrial design</li> <li>▪ interior design</li> <li>▪ landscape architecture</li> <li>▪ property management</li> <li>▪ quantity surveying</li> </ul>	<p><b>... and I could choose these HSC courses ...</b></p> <ul style="list-style-type: none"> <li>▪ Construction Exam</li> <li>▪ Design and Technology</li> <li>▪ Engineering Studies</li> <li>▪ Industrial Technology</li> <li>▪ Mathematics Advanced</li> <li>▪ Physics</li> <li>▪ Visual Arts</li> </ul>
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**Where can I study?** CQU | GU | ICMS | LTU | MQ | TUA | UC | UNE | UNSW | UNSW | UON | UOW | USYD | UTS | WSU

Step 2: Explore



**My interests, qualities and skills**



**Careers that use my interests, qualities and skills**



**Tertiary courses I could study**



**HSC courses I could study**

## Arts and Humanities

**I'm interested in ...** current affairs, social issues, politics, world events, languages, writing and literature, religions and cultures, history

**I'm ...** artistic, creative, adventurous, conscientious, efficient, industrious, resourceful, imaginative

**... and I'm good at ...** creative writing, debating, languages, solving problems, critical thinking, using technology

**I could be an ...**

- 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

**I could study ...**

- archaeology
- Asian studies
- cinema studies
- communications
- English
- Indigenous studies
- international/development studies
- languages
- linguistics
- literature
- media
- modern/ancient history
- philosophy
- political science
- psychology
- publishing
- religious studies/theology
- social science/sociology
- women's studies

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

- Aboriginal Studies
- English Advanced
- Geography
- History
- languages
- Religion
- Society and Culture
- Textiles and Design
- Visual Arts

**Where can I study?**

ACAP | ACU | ANU | AVU | CQU | CSU | GU | LTU | MQ | SCU | TUA | UC | UNDA | UNE | UNSW | UNSW-ADFA | UON | USYD | UTS | WSU

## 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
- property 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?**

ACPE | ACU | ANU | AVU | CQU | CSU | EXC | GU | ICMS | JMC | LTU | MIT | MQ | SCU | SPJ | 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**

## 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
  - market researcher
  - marketing manager
  - media officer
  - multimedia designer
  - presenter
  - producer
  - public relations manager

- I could study ...**
- advertising
  - creative industries
  - event management
  - 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?** ACU | AIT | ANU | AVU | CQU | CSU | GU | ICMS | JMC | LTU | MQ | SAE | TUA | UC | UNDA | UNE | UNSW | UNSW | 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 ...**
- actor
  - animator
  - artist
  - cartoonist
  - composer
  - fashion designer
  - film director
  - graphic designer
  - illustrator
  - journalist
  - multimedia designer
  - musician
  - photographer
  - producer
  - songwriter
  - teacher
  - writer

- I could study ...**
- acting
  - animation
  - creative industries
  - creative writing
  - design
  - 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?** ACPE | ACU | AIEI | AIT | AMPA | ANU | AIM | AVU | COL | CQU | CSU | EXC | GU | JMC | LTU | MQ | NAS | SAE | TUA | UC | UNDA | UNE | UNSW | UNSW | UON | UOW | USYD | UTS | WSU

Step 2: Explore



**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
- forest science
- forestry
- 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?**

ACU | ANU | CQU | CSU | GU | LTU | MQ | SCU | UC | UNE | UNSW | UNSW | 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, critical thinking

**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
- Design and Technology
- English Advanced
- Geography
- History
- Investigating Science
- languages
- Mathematics Advanced
- Health and Movement Science
- Physics
- Society and Culture

**Where can I study?**

ACPE | ACU | AVU | CSU | EXC | GU | LTU | MQ | SCU | UC | UNDA | UNE | UNSW | 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**

## 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
- robotics designer

**I could study ...**

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

**... 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?**

ANU | CQU | CSU | GU | LTU | MQ | SAE | SCU | UC | UNSW | UNSW-ADFA | UNSW | UON | 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, critical thinking, motivating people

**I could be an ...**

- ambulance officer
- audiologist
- beauty therapist
- chiropodist
- 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
- medical science
- naturopathy
- nuclear medicine
- nutrition and dietetics
- occupational therapy
- oral health
- osteopathy
- pedorthics
- paramedicine
- pharmacology
- physiotherapy
- podiatry
- public health
- radiography
- speech therapy

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

- Biology
- Chemistry
- Community and Family Studies
- English Advanced
- Food Technology
- Investigating Science
- Mathematics Advanced
- Health and Movement Science
- Physics

**Where can I study?**

ACPE | ACU | ANU | AVU | CQU | CSU | GU | LTU | MQ | SCU | TUA | UC | UNDA | UNE | UNSW | 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

**I'm interested in ...** sport, coaching, fitness and exercise, how the body works, nutrition, biology, health, helping others, being outdoors

**I'm ...** a good communicator, patient, observant, organised, enthusiastic, supportive, persuasive, fit and healthy, confident, outgoing

**... and I'm good at ...** sports, public speaking, leadership, motivating others, fine motor skills, solving problems, teaching others, science

**I could be a ...**

- disease prevention educator
- exercise scientist
- fitness counsellor
- fitness trainer
- exercise physiologist
- exercise rehabilitation worker
- medical researcher
- medical scientist
- occupational therapist
- personal trainer
- physiotherapist
- sport scientist
- sports coach
- sports marketer
- teacher

**I could study ...**

- anatomy and physiology
- exercise physiology
- exercise science
- health and physical education
- health promotion
- physiotherapy
- psychology
- sports coaching
- sports journalism
- sports management
- sports psychology

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

- Biology
- Chemistry
- English Advanced
- Investigating Science
- Mathematics Advanced
- Health and Movement Science
- Physics

**Where can I study?**

ACPE | ACU | ANU | CQU | CSU | GU | ICMS | LTU | MQ | SCU | TUA | UC | UNDA | UNE | UNSW | UON | UOW | USYD | UTS | WSU

## Information Technology and Information Systems

**I'm interested in ...** computers, internet, web technologies, social media, electronics, programming, designing

**I'm ...** organised, orderly, good with detail, persistent, level-headed, happy to work alone

**... and I'm good at ...** computing, using technology, maths, solving problems, thinking logically, thinking creatively, making decisions

**I could be a ...**

- computer programmer
- database administrator
- digital media producer
- game designer
- graphic designer
- filmmaker
- illustrator
- IT consultant
- photographer
- software/mobile app developer
- systems analyst
- visual effects artist
- web designer

**I could study ...**

- computer science
- computing
- cyber security
- data science
- digital business
- electronics
- information systems
- information technology
- mathematics
- networking
- programming
- software engineering

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

- Business Studies
- Design and Technology
- English Advanced
- Enterprise Computing
- Information and Digital Technology Exam
- Mathematics Advanced
- Software Engineering

**Where can I study?**

ACU | AIEI | AIT | ANU | CQU | CSU | EXC | GU | ICMS | JMC | LTU | MIT | MQ | SAE | SCU | SPJ | TUA | UC | UNDA | UNE | UNSW | UNSW -ADFA | UON | UOW | USYD | UTS | WSU

## Law

**I'm interested in ...** research, justice, fairness, equality, current affairs, politics, helping others

**I'm ...** outgoing, organised, observant, open-minded, persistent, persuasive

**... and I'm good at ...** debating, public speaking, writing, researching, evaluating information, negotiating, logical thinking

**I could be a ...**

- barrister
- criminal prosecutor
- judge
- legal adviser
- legal officer
- legal researcher
- magistrate
- police officer
- politician
- solicitor

**I could study ...**

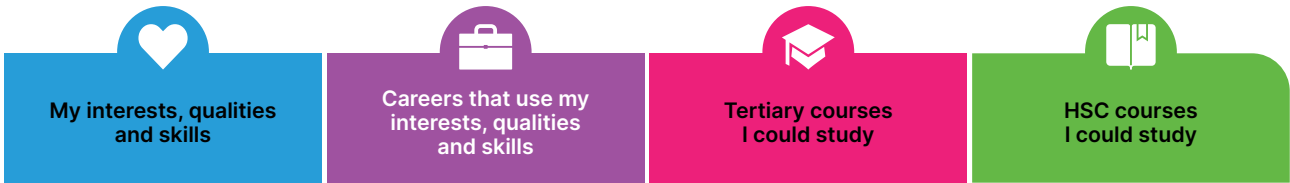
- conveyancing
- criminal law
- justice studies
- law
- legal studies
- paralegal studies
- political studies

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

- Business Studies
- Economics
- English Advanced (or higher)
- Legal Studies
- Society and Culture

**Where can I study?**

ACU | ANU | CQU | CSU | GU | LTU | MQ | SCU | UC | UNDA | UNE | UNSW | UON | UOW | USYD | UTS | WSU



## Medical Sciences and Medicine

<p><b>I'm interested in ...</b> the environment, health, nutrition, how the body works, people, science, alternative medicines, helping others, research, experimenting</p> <p><b>I'm ...</b> caring, patient, a good communicator, inventive, curious, organised, good with detail, observant</p> <p><b>... and I'm good at ...</b> leadership, fine motor skills, time management, making decisions, problem solving, working with others, listening</p>	<p><b>I could be a ...</b></p> <ul style="list-style-type: none"> <li>▪ biochemist</li> <li>▪ biomedical engineer</li> <li>▪ chiropractor</li> <li>▪ doctor</li> <li>▪ forensic officer</li> <li>▪ genetic counsellor</li> <li>▪ laboratory technician</li> <li>▪ medical engineer</li> <li>▪ medical researcher</li> <li>▪ nutritionist</li> <li>▪ pathologist</li> <li>▪ pharmacist</li> <li>▪ radiologist</li> <li>▪ sonographer</li> </ul>	<p><b>I could study ...</b></p> <ul style="list-style-type: none"> <li>▪ biomedical sciences</li> <li>▪ forensic science</li> <li>▪ health sciences</li> <li>▪ human nutrition</li> <li>▪ medical engineering</li> <li>▪ medical science</li> <li>▪ medicine</li> <li>▪ nanotechnology</li> <li>▪ optometry</li> <li>▪ paramedicine</li> <li>▪ pharmacy</li> <li>▪ physiotherapy</li> </ul>	<p><b>... and I could choose these HSC courses ...</b></p> <ul style="list-style-type: none"> <li>▪ Biology</li> <li>▪ Chemistry</li> <li>▪ Community and Family Studies</li> <li>▪ English Advanced</li> <li>▪ Investigating Science</li> <li>▪ Mathematics Advanced</li> <li>▪ Physics</li> </ul>
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**Where can I study?** ACU | ANU | CQU | CSU | GU | LTU | MQ | SCU | UC | UNDA | UNE | UNSW | UON | UOW | USYD | UTS | WSU

**Country Universities Centre**  
DEGREES CLOSER

**WHAT IS THE CUC**

Country Universities Centres (CUC) are study hubs located across regional communities throughout Australia. They provide a free, dedicated learning space for students studying through any Australian university or education provider. Students have access to high-speed Internet, modern technology, and general academic support, like-minded fellow students and can take advantage of being part of a nation-wide learning community.

**Bringing degrees closer to regional, rural and remote Australia.**

**HOW WE CAN SUPPORT YOU**

We know that you need the flexibility to ensure that you can balance your life-work-study needs and commitments. As a CUC student, you will have swipe card access to the Centre 7am-midnight, seven days a week. Each Centre has dedicated staff who are there to support you with your studies and provide guidance whenever you need it.

- ✓ DEDICATED STUDY SPACES
- ✓ DUAL SCREEN COMPUTERS
- ✓ FAST, RELIABLE INTERNET
- ✓ FREE ACADEMIC ASSISTANCE & WORKSHOPS

**Find a CUC near you**

Step 2: Explore



**My interests, qualities and skills**



**Careers that use my interests, qualities and skills**



**Tertiary courses I could study**



**HSC courses I could study**

## Nursing and Midwifery

**I'm interested in ...** health care, helping others, how the body works, people, science, mothers and babies, childbirth

**I'm ...** compassionate, curious, creative, a good communicator, dependable, observant, good with detail, responsible, tolerant, patient, organised, resourceful

**... and I'm good at ...** using initiative, teamwork, working with others, listening, solving problems, critical thinking, leadership

**I could be an ...**

- 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

**I could study ...**

- 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)
- paediatrics
- palliative care
- primary health care
- medical/surgical nursing
- rehabilitation

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

- Biology
- Chemistry
- Community and Family Studies
- English Advanced
- Investigating Science
- Mathematics Advanced

**Where can I study?**

ACU | AVU | CQU | CSU | GU | LTU | SCU\* | TUA | UC\* | UNDA | UNE | UON\* | UOW | USYD | UTS\* | WSU\*

\*midwifery offered

## Science, Applied Science and Technology

**I'm interested in ...** chemistry, science, the environment, weather patterns, people and communities, marine life, space, astronomy, planes, research, computers, experimenting, animals, nature, farming, psychology, the brain

**I'm ...** curious, organised, creative, good with detail, observant, resourceful

**... and I'm good at ...** solving problems, critical thinking, leadership, mathematics, logical thinking, chemistry, biology

**I could be an ...**

- agricultural business manager
- aviation engineer
- conservation biologist
- data analyst
- data scientist
- environmental advocate
- field researcher
- financial analyst
- food scientist
- geologist
- laboratory technician
- marine biologist
- medical advocate
- medical marketer
- professional services officer
- researcher
- science educator
- sports psychologist
- sustainability officer
- urban planner
- vet
- zookeeper

**I could study ...**

- agricultural science
- applied studies
- aviation science
- biological science
- chemistry
- cognitive and brain science
- environmental science
- equine science
- food science or technology
- forensics
- forest science
- horticulture
- marine science
- mathematics
- medical science
- nanotechnology
- neuroscience
- physics
- psychology
- statistics
- technology
- veterinary science
- zoology

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

- Agriculture
- Biology
- Chemistry
- Earth and Environmental Science
- English Advanced
- Enterprise Computing
- Geography
- Investigating Science
- Mathematics Advanced
- Physics

**Where can I study?**

ACAP | ACPE | ACU | ANU | CQU | CSU | GU | LTU | MQ | SCU | UC | UNE | UNSW | UNSW -ADFA | UNSWC | 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

## Social Sciences

**I'm interested in ...** people and communities, world events, current affairs, politics, health, social responsibility, immigration, policing, justice, fairness, working with people, helping others

**I'm ...** organised, a good communicator, curious, resourceful, fair, helpful

**... and I'm good at ...** critical thinking, making decisions, solving problems

#### I could be a ...

- community care officer
- legal practitioner
- occupational therapist
- social worker
- vocational guidance counsellor
- welfare support officer
- welfare worker

#### I could study ...

- anthropology
- behavioural science
- commerce
- criminology
- geography
- international studies
- neuroscience
- policing
- policy studies
- psychology
- social ecology
- sociology/social science

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

- Community and Family Studies
- Economics
- English Advanced
- Geography
- Legal Studies
- Mathematics Advanced
- Modern History
- Society and Culture

#### Where can I study?

ACAP | ACU | ANU | CQU | CSU | GU | LTU | MQ | SCU | TUA | UC | UNDA | UNE | UNSW | UON | UOW | USYD | UTS | WSU

## Social Work and Welfare

**I'm interested in ...** people and cultures, health, social responsibility, fairness, helping others

**I'm ...** organised, caring, a good communicator, curious, resourceful, fair, helpful

**... and I'm good at ...** critical thinking, making decisions, solving problems

#### I could be an ...

- aged care worker
- child protection officer
- community care officer
- counsellor
- disability officer
- migrant welfare officer
- social worker
- welfare support officer
- welfare worker
- youth worker

#### I could study ...

- ageing
- children and young people
- health and disability
- Indigenous studies
- psychology
- research skills
- social policy
- social research
- social work
- sociology
- youth work

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

- Community and Family Studies
- Economics
- English Advanced
- Mathematics Advanced
- Modern History
- Society and Culture

#### Where can I study?

ACAP | ACU | AVU | CQU | CSU | GU | LTU | MQ | SCU | TUA | UNDA | UNE | UNSW | UON | UOW | USYD | WSU

## Tourism, Hospitality and Event Management

**I'm interested in ...** travel, people and cultures, world events, languages, helping others, being outdoors, being active

**I'm ...** organised, good with detail, a good communicator, confident, patient, persistent, sincere, friendly, flexible, punctual

**... and I'm good at ...** languages, leadership, planning, serving customers, solving problems, working with people from diverse backgrounds

#### I could be an ...

- environmental planner
- event manager
- hotel manager
- resort manager
- restaurateur
- travel consultant
- tour operator

#### I could study ...

- event management
- hotel management
- leisure studies
- recreational management and planning
- sport management
- tourism management

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

- Economics
- English Advanced
- Hospitality Exam
- languages
- Mathematics Advanced
- Society and Culture
- Tourism, Travel and Events Exam

#### Where can I study?

CQU | GU | ICMS | LTU | SCU | TUA | UON | UOW | UTS | WSU

# 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 39 and 40](#).

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.

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.



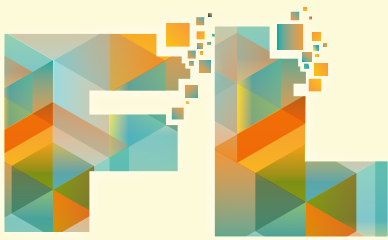
## **FRED AND LAURA**

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 may be useful in managing a 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.



## **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 are 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.

## **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 39 and 40](#).

### **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.



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

### **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; Health and Movement Science; 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.



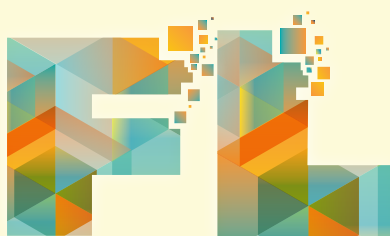
## Courses that don't contribute to the ATAR

Board Endorsed courses (eg Photography, Video and Digital Imaging) are developed by schools or universities, rather than NESA. 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.

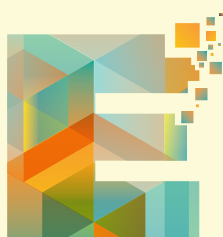


**FRED AND LAURA**

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 5](#)). At the end of Year 11, they could drop any course, except English, and still be eligible for an ATAR.



**EMILY**

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

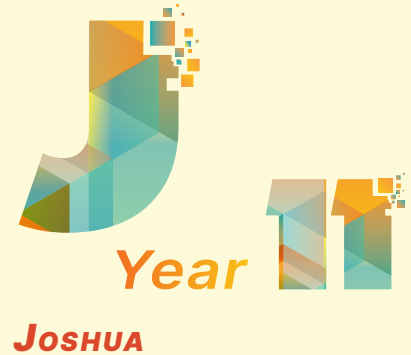
With this combination of courses, **Joshua** meets the ATAR eligibility requirements. However, if Joshua decides at the end of Year 11 to drop Chemistry and Biology and take on Mathematics Extension 2 and English Extension 2, his new pattern of study will look like this:

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.



Step 3: Decide

## 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 2028, 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 subject 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. 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'.
- 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.
- Check if the uni you want to go to, or the course you want to study, 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.

### MYTH



Some courses are always 'scaled up', therefore I should study those.



Some courses are always 'scaled down', therefore I should avoid those.



I need to study 'hard' subjects to get high scaled marks.



I should study Mathematics Standard 2 rather than Mathematics Advanced to get a better ATAR.

### VS

### FACT



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.



'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.



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.

## HSC Board Developed courses to be examined in 2028

For further information and course details, visit the NSW Curriculum website: [curriculum.nsw.edu.au/stages/senior](http://curriculum.nsw.edu.au/stages/senior).

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) <sup>1</sup>	2	Automotive
15030	Biology	2	Biology
26199	Business Services (Examination) <sup>1</sup>	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) <sup>1</sup>	2	Construction
15070	Dance	2	Dance
15080	Design and Technology	2	Design and Technology
15071	Drama	2	Drama
15100	Earth and Environmental Science	2	Earth and Environmental Science
15110	Economics	2	Economics
26399	Electrotechnology (Examination) <sup>1</sup>	2	Electrotechnology
15120	Engineering Studies	2	Engineering Studies
15155	English as an Additional Language or Dialect	2	English
15130	English Standard	2	English
15128	English Studies (Examination) <sup>1</sup>	2	English
15140	English Advanced	2	English
15160	English Extension 1	1	English
15173	English Extension 2	1	English
15175	Enterprise Computing	2	Enterprise Computing
26499	Entertainment Industry (Examination) <sup>1</sup>	2	Entertainment Industry
27299	Financial Services (Examination) <sup>1</sup>	2	Financial Services
15180	Food Technology	2	Food Technology
15190	Geography	2	Geography
15410	Health and Movement Science	2	Health and Movement Science
15280	History Extension <sup>2</sup>	1	Same as corequisite 2-unit history course
26589	Hospitality – Food and Beverage (Examination) <sup>1</sup>	2	Hospitality

Number	Course name	Unit value	Subject area
26587	Hospitality – Kitchen Operation and Cookery (Examination) <sup>1</sup>	2	Hospitality
27199	Human Services (Examination) <sup>1</sup>	2	Human Services
15200	Industrial Technology	2	Industrial Technology
27398	Information and Digital Technology (Examination) <sup>1</sup>	2	Information and Digital Technology
15215	Investigating Science	2	Investigating Science
15220	Legal Studies	2	Legal Studies
15232	Mathematics Standard 1 (Examination) <sup>3</sup>	2	Mathematics
15236	Mathematics Standard 2	2	Mathematics
15255	Mathematics Advanced	2	Mathematics
15250	Mathematics Extension 1 <sup>3</sup>	1/2	Mathematics
15260	Mathematics Extension 2	2	Mathematics
15270	Modern History	2	Modern History
15291	Music 1	2	Music
15300	Music 2	2	Music
15311	Music Extension <sup>4</sup>	1	Music
26899	Primary Industries (Examination) <sup>1</sup>	2	Primary Industries
15330	Physics	2	Physics
26999	Retail Services (Examination) <sup>1</sup>	2	Retail Services
15345	Science Extension <sup>5</sup>	1	Same as corequisite 2-unit science course
15350	Society and Culture	2	Society and Culture
15365	Software Engineering	2	Software Engineering
15370	Studies of Religion I <sup>6</sup>	1	Studies of Religion
15380	Studies of Religion II <sup>6</sup>	2	Studies of Religion
15390	Textiles and Design	2	Textiles and Design
27499	Tourism, Travel and Events (Examination) <sup>1</sup>	2	Tourism, Travel and Events
15400	Visual Arts	2	Visual Arts

Step 3: Decide

Number	Course name	Unit value	Subject area
<b>Languages</b>			
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 <sup>7</sup>	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
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 <sup>7</sup>	2	Macedonian

Number	Course name	Unit value	Subject area
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 <sup>7</sup>	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

<sup>1</sup> 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 visit [curriculum.nsw.edu.au/stages/senior](http://curriculum.nsw.edu.au/stages/senior).

<sup>2</sup> 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.

<sup>3</sup> The unit value of this course changes depending on whether the course is taken in combination with Mathematics or Mathematics Extension 2 (see [page 35](#)).

<sup>4</sup> You must study Music 2 if you wish to study Music Extension.

<sup>5</sup> 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.

<sup>6</sup> You may study either Studies of Religion I or Studies of Religion II, but not both.

<sup>7</sup> 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, universities and VET providers. However, these courses **cannot be included** in the calculation of your ATAR.

For more information, visit [curriculum.nsw.edu.au/](https://curriculum.nsw.edu.au/) and search for 'types of courses'.



Step 3: Decide

## 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 challenge 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 (also known as Board Developed courses) are developed and examined by the NSW Education Standards Authority. HSC Board Developed courses that will be examined in 2027 are listed in the tables on [pages 43 and 44](#).

### 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. Open days 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 account of 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.

# Part 2: Institution criteria

In this section, UAC's participating institutions have listed the courses they plan to offer in 2029.

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

- 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 39 and 40](#) 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.

Thinking about further study?  
Uni or vocational education?  
Create or find your USI at  
[usi.gov.au](http://usi.gov.au)



Your personal education number



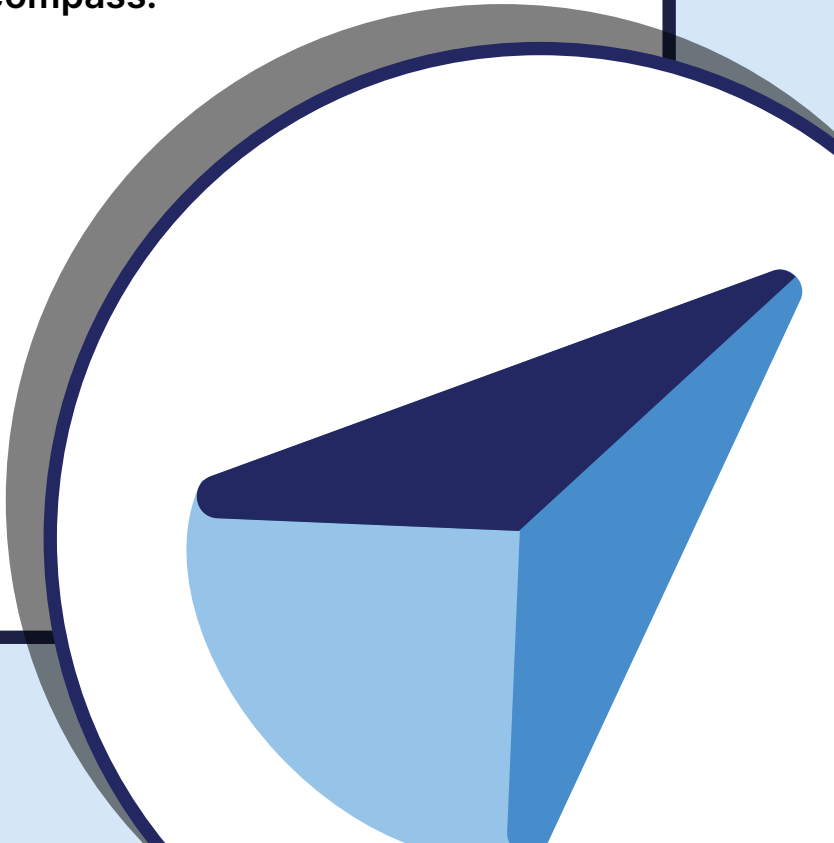
# SUBJECT COMPASS

## FREE ONLINE TOOL

Can help you find your way to the HSC courses that are right for you.

Tell us about your interests, skills and goals and we'll make some suggestions.

Scan to explore your options using UAC's **Subject Compass** tool, or go to [uac.edu.au/subject-compass](https://uac.edu.au/subject-compass).



## Get in touch

Academy of Interactive Technology



(+61 2) 7226 3773



[info@ait.edu.au](mailto:info@ait.edu.au)



[ait.edu.au](http://ait.edu.au)

## In person

### Sydney campus

Level 2, 7 Kelly Street  
Ultimo NSW 2007

### Melbourne campus

Level 13, 120 Spencer Street  
Melbourne VIC 3000

*Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip, Assoc Deg or Undergraduate Cert 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 Arts.

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

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



Image credit: AIT student, Martin Hornak

## 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 Arts.

## Information Technology (Dip)

**Areas of study:** C++ programming, web development, artificial intelligence, database design, information and security systems, Java, software engineering, data analysis, cloud computing, machine learning.

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

## Information Technology (Games Programming)

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

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




ACADEMY OF MUSIC AND PERFORMING ARTS

CRICOS provider number: 01108B


TEQSA provider ID: PRV12026

## Get in touch

Academy of Music and Performing Arts

 (02) 9310 3111

 [admissions@ampa.edu.au](mailto:admissions@ampa.edu.au)

 [ampa.edu.au](http://ampa.edu.au)

## In person

### Music

136 Chalmers Street  
Surry Hills NSW 2010

### Dance

Unit 4/85-91 O'Riordan Street  
Alexandria NSW 2015



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

## Dance

### Dance (Assoc Deg)

### Dance (Undergraduate Cert)

**Areas of study:** Ballet, hip hop, jazz dance, music theatre, DanceSport and contemporary styles (including lyrical and tap).

**Additional selection criteria:** Audition, interview and written assessment.

## Music (Performance)

### Music (Performance) (Assoc Deg)


### Music (Undergraduate Cert)

**Areas of study:** Classical performance, composition, contemporary performance, jazz performance, musical theatre, production.


**Additional selection criteria:** Audition and interview.

### Get in touch

ACAP University College

 1800 039 139

 [connect@acap.edu.au](mailto:connect@acap.edu.au)

 [acap.edu.au](http://acap.edu.au)

### In person

Level 11, 255 Elizabeth Street  
Sydney NSW 2000



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

### 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.

### Criminology

**Areas of study:** Crime prevention and social control, criminal justice, criminal law, drugs and crime, forensic psychology, indigenous studies, investigations, legal process, police studies, sentencing, transnational crime, victimology, youth justice.

**Recommended studies:** Any 2 units of English.

### Psychology

**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.

## Get in touch

AIE Institute



1300 972 622



[admissions@aieinstitute.edu.au](mailto:admissions@aieinstitute.edu.au)



[aieinstitute.edu.au](http://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

*Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip, Assoc Deg or Undergraduate Cert 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, Design and Technology.

### 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.



## 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.

## Get in touch

AskACU Centre  
Australian Catholic University  
Locked Bag 2002  
Strathfield NSW 2135

 1300 ASK ACU (1300 275 228)

 [futurestudents@acu.edu.au](mailto:futurestudents@acu.edu.au)

 [acu.edu.au](http://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

## 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, Assoc Deg or Undergraduate Cert 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:** English Standard (Band 2) or English as an Additional Language or Dialect (Band 3).

## Arts

**Areas of study:** Archaeology, business studies, design and technologies (Strathfield), drama, English, environment and society, geography, history, international development studies, mathematics, philosophy, politics and international relations, psychology, sociology, study of religions, theological studies, visual arts.

**Assumed knowledge:** Any 2 units of English (Band 3). **For study in mathematics:** Mathematics Advanced.



## Biomedical Science

**Areas of study:** Biomedical sciences.

**Course prerequisites:** Any 2 units of English and any 2 units of mathematics or any 2 units of English plus Biology or Chemistry or Physics.

## Biomedical Science (Dip)

**Areas of study:** Biomedical sciences.

## Business

**Areas of study:** Accounting, artificial intelligence, business administration, cybersecurity, data analytics, finance, human resource management, information systems, managing healthcare organisations, marketing, management, sustainability for business.

**Assumed knowledge:** English (Advanced or Standard) (Band 2) or English as a Additional Language or Dialect (EALD) (Band 3).

## Business (Dip)

**Areas of study:** Economics, human resource management, finance, information technology, marketing.

## Computer Science

**Areas of study:** Artificial intelligence, cybersecurity and assurance, data engineering, software and application development, systems and network architecture.

**Assumed knowledge:** Mathematics Advanced, English Standard (Band 2) or English as an Additional Language or Dialect (EALD) (Band 3).

## Criminology/Criminal Justice

**Areas of study:** Corrections law, criminal justice, criminology, cybersecurity, forensic law, juvenile justice, policing.

**Assumed knowledge:** English (Advanced or Standard) (Band 2) or English as an Additional Language or Dialect (EALD) (Band 3).

## Criminology (Dip)

**Areas of study:** Corrections law, criminal justice, criminology, cybersecurity, forensic law, juvenile justice, policing.

## Education

### Early Childhood Education (Birth to Five Years)

Strathfield/North Sydney

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

Canberra

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

### Education (Early Childhood and Primary)

Strathfield/North Sydney/Blacktown

**Assumed knowledge:** A minimum of three Band 5 HSC results, incl. one in English, and any 2 units of mathematics (Band 4 or E2).

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, incl. one in English, and any 2 units of mathematics (Band 4 or E2).

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, incl. one in English, and any 2 units of mathematics (Band 4 or E2).

**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, incl. one in English, and any 2 units of mathematics (Band 4 or E2).

**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)/Arts

Strathfield

**Areas of study:** Secondary education, archaeology, business studies, design and technologies, drama, English, geography, environment and society, history, mathematics, study of religions, theological studies, visual arts.

**Assumed knowledge:** A minimum of three Band 5 HSC results, incl. one in English, and any 2 units of mathematics (Band 4 or E2).

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

### Education (Secondary)/Exercise Science

Strathfield

**Areas of study:** Secondary education, exercise science.

**Assumed knowledge:** A minimum of three Band 5 HSC results, incl. one in English, and any 2 units of mathematics (Band 4 or E2).

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

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

**Recommended studies:** Health and Movement Science, plus one of Biology, Chemistry or Physics.

## Exercise and Sports Science Exercise Science\*

**Areas of study:** Exercise, sports science.

**Assumed knowledge:** English (Standard) (Band 3), Health and Movement Science, plus any 2 units of mathematics or 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.

## Information Technology

**Areas of study:** AI, app and web design, cybersecurity, data science, machine learning, programming.

**Assumed knowledge:** English Standard (Band 2) or English as a Additional Language or Dialect (EALD) (Band 3), Mathematics Advanced (not Mathematics Standard 2).

## Information Technology (Dip)

**Areas of study:** Cybersecurity, data science, information technology, programming, python fundamentals.

## Laws

**Areas of study:** Law: commercial, constitutional, contract, criminal, dispute resolution, ethics, land, international, property, public, torts.

**Course prerequisites:** English Standard (Band 3) or English as a Additional Language or Dialect (EALD).

## Midwifery

**Areas of study:** Midwifery.

## Nursing

**Areas of study:** Nursing.

## Nutrition Science

**Areas of study:** Nutrition.

**Assumed knowledge:** English (Standard) (Band 2) or English as an Additional Language or Dialect (EALD) (Band 3).

## Nutrition Science (Dip)

**Areas of study:** Nutrition.

## Occupational Therapy

**Areas of study:** Occupational therapy.

North Sydney

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

Canberra

**Course prerequisites:** English-T (Major) or ESL (Major) plus one of Biology-T, Chemistry-T or Physics-T.

## 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.

**Assumed knowledge:** English (Standard) (Band 2) or English as a Additional Language or Dialect (EALD) (Band 3).

## Psychological Science/Master of Teaching (Primary)

Strathfield

**Areas of study:** Primary education, psychology.

**Assumed knowledge:** 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.

Strathfield

**Course prerequisites:** Any 2 units of English.

Canberra

**Course prerequisites:** English (T) (Major).

## Social and Environmental Sustainability

**Areas of study:** Environmental studies, sustainability.

**Assumed knowledge:** Any 2 units of English.

## Speech Pathology

**Areas of study:** Speech pathology.

North Sydney

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

Canberra

**Course prerequisites:** English-T (Major) or ESL (Major) plus one of Biology-T, Chemistry-T or Physics-T.

## 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:** Visual arts: 3D/4D object design, art and design history and theory, drawing, graphic design, painting photography, printmaking, sculpture.

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

**Recommended studies:** Visual Arts.

## Combined degrees

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

- Arts/Business
- Arts/Western Civilisation
- Biomedical Science/Business
- Exercise and Sport Science/Business
- Exercise and Sports Science/Nutrition Science
- Human Rights/Criminology and Criminal Justice
- Information Technology/Business
- Nursing/Business
- Nursing/Paramedicine
- Nutrition Science/Business
- Psychological Science/Arts
- Psychological Science/Business
- Psychological Science/Criminology and Criminal Justice
- Psychological Science/Exercise and Sports Science
- Psychological Science/M Teaching (Primary)
- Psychological Science/Nutrition Science
- Social and Environmental Sustainability/Commerce
- Theology/Philosophy

## Global Studies

- Arts/Global Studies
- Business/Global Studies
- Criminology and Criminal Justice/Human Rights
- Laws/Global Studies
- Social and Environmental Sustainability/Global Studies
- Social and Environmental Sustainability/Business
- Theology/Global Studies

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

## Laws

- Arts/Laws
- Business /Laws
- Arts (Western Civilisation)/Laws
- Business/Laws
- Biomedical Science/Laws
- Criminology and Criminal Justice/Laws
- Human Rights/Laws
- Laws/Global Studies
- Philosophy/Laws
- Psychological Science/Laws
- Social and Environmental Sustainability/Laws
- Theology/Laws

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



CRICOS provider number: 01822J  
TEQSA provider ID: PRV12066

## Get in touch

Australian College of Physical Education  
10 Parkview Drive  
Sydney Olympic Park NSW 2027



1300 302 867



[newstudents@acpe.edu.au](mailto:newstudents@acpe.edu.au)



[acpe.edu.au](http://acpe.edu.au)



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

## Community and Exercise Science (Dip)

**Areas of study:** Fitness, sport coaching, sport and recreation management.

**Course prerequisites:** Any 2 units of English.

**Recommended studies:** Health and Movement Science.

## Dance

### Dance Education

**Areas of study:** Dance, physical and health education, curriculum and pedagogy.

**Course prerequisites:** Three Band 5s or higher, including English.

**Recommended studies:** Dance, Health and Movement Science.

### Dance Practice

**Areas of study:** Choreography, dance business skills, dance and community, dance in the community, dance performance, dance teaching.

**Course prerequisites:** Any 2 units of English.

**Recommended studies:** Dance.

## Education – Physical and Health Education

**Areas of study:** Health movement, physical and health education, curriculum and pedagogy.

**Course prerequisites:** Three Band 5s or higher, including English.

**Recommended studies:** Health and Movement Science.

## Football

**Areas of study:** Sports coaching, sports development, sports management, sports performance.

**Course prerequisites:** Any 2 units of English.

**Recommended studies:** Health and Movement Science.

## Health Science (Exercise)

**Areas of study:** Allied health, anatomy, exercise prescription, exercise science, fitness, health, motor learning, physiology, strength and conditioning.

**Course prerequisites:** Any 2 units of English.

**Recommended studies:** Health and Movement Science; any 2 units of mathematics; Biology, Chemistry or Physics.

## Physical Activity for Health

**Areas of study:** Health and physical education, health science, physical activity, sport.

**Course prerequisites:** Any 2 units of English.

**Recommended studies:** Health and Movement Science.

## Sport and Exercise Science (Dip)

**Areas of study:** Anatomy, exercise prescription, exercise physiology, nutrition, skill acquisition, sport and exercise science.

**Course prerequisites:** Any 2 units of English.

**Recommended studies:** Health and Movement Science.

## 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:** Health and Movement Science.

## 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

Australian Institute of Music

1300 301 983

 [enquiries@aim.edu.au](mailto:enquiries@aim.edu.au)

 [aim.edu.au](http://aim.edu.au)

## In person

### Sydney – Gadigal

66 Harrington Street (entrance via Nurses Walk)  
The Rocks NSW 2000

### Melbourne – Naarm

120 King Street  
Melbourne VIC 3000



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

## Music

### Composition

**Areas of study:** Original music across film, games and new media. Arranging, orchestration, soundtracks and multimedia storytelling.

**Additional selection criteria:** Audition with two contrasting original works (online submission).

### Creative Technology

**Areas of study:** Audio delivery, capturing and creating sound, DAWs and mixing consoles, editing sound for other media, post-production, production process, recording techniques, sound system design.

**Additional selection criteria:** Audition with two contrasting pieces (online submission).

### Musicology

**Areas of study:** Australian music, game music, improvised music, jazz, music and globalisation, musical literacy foundation and musical structure, music pedagogy, music theatre, popular music, screen music, western art music.

**Additional selection criteria:** Interview and personal statement.

### Performance

**Areas of study: For Classical:** Classical performance skills, collaboration projects, composition, creative technology, instrument specialisation, stage confidence-building.

**For Contemporary:** Arranging, composition fundamentals, games, installations, music for film, music for new media, music for dance and theatre, music for other media, original songs creation, arrangements, orchestrations, soundtracks, and multimedia installations.

**Additional selection criteria:** Audition with two contrasting pieces (in person or online).

## Music (Dip)

**Areas of study:** Composition, creative technology (audio), performance or musicology.

**Additional selection criteria:** Music resume.

## Music Business

### Music Business (Dip)

**Areas of study:** Business strategy, data and analytics, entertainment law, entrepreneurship, leadership and corporate governance, live performance management, marketing, media and PR, production management, music publishing and artist management.

**Additional selection criteria:** Interview and personal statement.

### Music (Music Business)

**Areas of study:** Audio engineering, business strategy, composition, data and analytics, entertainment law, management, performance, PR.

**Additional selection criteria:** Interview, personal statement and audition.

## Music Theatre

**Areas of study:** Acting, dance, performance, singing, stage commanding, confidence-building, 'triple skill set' (singing, dancing and acting), performance healthy practice routine and psychology of performance.

**Additional selection criteria:** Audition with two pieces, monologue and dance (online and in person).



## Get in touch

The Admissions & Scholarships Office  
International & Future Students Division  
The Australian National University  
Di Riddell Student Centre  
Building 154 University Avenue  
Canberra ACT 2601

### Future Students Experience Team



1800 620 032



[anu.edu.au/contact-anu/future-student-enquiry](mailto:anu.edu.au/contact-anu/future-student-enquiry)



[anu.edu.au](http://anu.edu.au)



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

## Accounting

**Areas of study:** Accounting.

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

## Actuarial Studies

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

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

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

## Advanced Computing (Honours)

**Areas of study:** Computer science, cybersecurity, intelligent systems, programming, research projects, systems and architecture, theoretical computer science.

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

## Advanced Computing (Research and Development)

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

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

## 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. **NSW:** Mathematics Advanced.

## Arts

**Areas of study:** Ancient Greek, ancient history; anthropology; Arabic; archaeology; art history and theory; Asian history; Asian studies; Asia-Pacific culture, media and gender; Australian Indigenous studies; biological anthropology; Chinese language; Chinese studies; contemporary Europe; criminology; development studies; demography; 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 communication; international relations; Italian language and culture; Japanese language; Japanese linguistics; Japanese studies; Korean language; Korean studies; Latin; Latin American studies; linguistics; mathematics; Middle Eastern and Central Asian studies; music; music technology; Northeast Asian 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.

## 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.

## Business Information Systems

**Areas of study:** Business, cybersecurity, database systems, project management, programming.

## 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, Specialist Mathematics (Major), Specialist Methods. **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, Specialist Methods (Major). **NSW:** Mathematics Advanced.

## Criminology

**Areas of study:** Criminology.

## Design

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

## Economics

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

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

## Engineering (Honours)

**Areas of study:** Aerospace systems, electronic and communication systems, environmental systems, humanitarian engineering, mechatronic systems, renewable energy systems.

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

## Engineering (Honours) in Software Engineering

**Areas of study:** Algorithms and data, artificial intelligence, computer science, computer systems, engineering, software development, software engineering.

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

## Engineering (Research and Development) (Honours)

**Areas of study:** Aerospace systems, electronic and communication systems, environmental systems, humanitarian engineering, mechatronic systems, renewable energy systems.

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

## 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, Specialist Mathematics (Major), Specialist Methods. **NSW:** Mathematics Advanced.

## Finance, Economics and Statistics (Honours)

**Areas of study:** Economics, finance, statistics.

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

## 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, science communication.

**Assumed knowledge: ACT:** Chemistry (at least Minor, but preferably a Major). **NSW:** Chemistry.

Some science courses have subject prerequisites or assumed knowledge of Mathematics, Physics or Chemistry. For further information, visit [programsandcourses.anu.edu.au](http://programsandcourses.anu.edu.au).

**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, Specialist Mathematics (Major), Specialist Methods. **NSW:** Mathematics Advanced.

## International Relations

**Areas of study:** International relations plus a range of minors.

## 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.

## Languages (Dip)

**Areas of study:** Ancient Greek, Arabic, Burmese, Chinese, French language and culture, German language and culture, Hindi, Hispanic linguistics and culture, Indonesian, Italian language and culture, Japanese, Korean, Latin, Mongolian, Pacific languages, Persian, Russian, Sanskrit, Spanish, Tetum, Thai, Tibetan, Urdu, Vietnamese.

## Law (Honours)

**Areas of study:** Law.

## Mathematical Sciences

**Areas of study:** Computer science, mathematics, statistics.

**Course prerequisites:** **ACT:** Specialist Mathematics and Specialist Methods (Double Major), 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 may 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.

## Philosophy (Honours)

**Areas of study: For Humanities and Social Sciences:**

Anthropology, Arabic, Archaeology, Asian and Pacific anthropology, Asian and Pacific linguistics, Asian and Pacific literature and film, Asian history, Asia-Pacific archaeology, Asia-Pacific international relations, Asia-Pacific politics, Asia-Pacific security studies, Burmese, Chinese, French language and culture, Hindi, India studies, Indonesian studies, Japanese, Korean, linguistics, literary Chinese, Mongolian, Northeast Asia, Pacific studies, peace and conflict studies, Sanskrit, Southeast Asia, Spanish, Thai, Tok Pisin, Vietnamese, war studies.

**For Science:** Astronomy and astrophysics, biological anthropology, biology, chemistry, computer science, Earth and marine science, environment, mathematics, medical research, physics, physics of the Earth, population health, psychology, science, science communication, statistics.

**Additional selection criteria:** Supplementary form.

## Philosophy, Neuroscience and Psychology

**Areas of study:** Neuroscience, philosophy, psychology.

**Assumed knowledge:** Some courses have assumed knowledge of Chemistry. For further information, visit [programsandcourses.anu.edu.au](http://programsandcourses.anu.edu.au).

**Additional selection criteria:** Supplementary form.

## Political Science Public Policy

**Areas of study:** Political science.

## Politics, Philosophy and Economics

**Areas of study:** Economics, philosophy, political science.

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

## Science (Psychology)

**Areas of study:** Psychology.

## Science and Science (Advanced) (Honours)

**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, Physics or Chemistry. For further information, visit [programsandcourses.anu.edu.au](http://programsandcourses.anu.edu.au).

## Statistics

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

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

**Recommended studies:** **ACT:** Specialist Mathematics/Specialist Methods (Major/Minor). **NSW:** Mathematics Advanced.

## Visual Arts

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

## Flexible double degrees

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

The five groups available are:

- Arts, Social Sciences, Business and Science (4 years)
- Engineering (5.5 years)
- Advanced Computing (5 years)
- Law (5 years)
- PhB Advanced Arts Social Sciences Business and Science (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   | ■ Design*  |
| ■ Actuarial Studies*   | ■ Economics  |
| ■ Applied Data Analytics   | ■ Environment and Sustainability   |
| ■ Arts   | ■ Finance (B Commerce with a Finance major cannot be undertaken with the B Finance.) |
| ■ Asian Studies  | ■ Genetics* (cannot be combined with Biotechnology or Medical Science)               |
| ■ Biotechnology* (cannot be combined with Genetics or Medical Sc)                    | ■ International Relations  |
| ■ Business Administration  | ■ International Security Studies   |
| ■ Business Information Systems   | ■ Languages  |
| ■ Commerce (B Commerce with a Finance major cannot be undertaken with the B Finance) | ■ Mathematical Sciences*   |
| ■ Computing*   |  |
| ■ Criminology  |  |

- Medical Science\* (cannot be combined with Biotechnology or Genetics)
- Music\*
- Pacific Studies
- Public Policy
- Political Science
- Politics, Philosophy and Economics
- Science
- Science (Psychology)
- Statistics\*
- Visual Arts

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

### Flexible Double Engineering

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

- Engineering (Hons)\*
- Engineering (Research & Development) (Hons)\*
- Engineering in Software Engineering (Honours)\*

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

- Accounting^
- Actuarial Studies\*
- Applied Data Analytics
- Arts
- Asian Studies^
- Biotechnology\*
- Business Administration
- Business Information Systems
- Commerce
- Computing\* (cannot be combined with Software Engineering or Advanced Computing)
- Criminology^
- Design^
- Economics
- Environment and Sustainability
- Finance
- Genetics\* ^
- International Relations^
- International Security Studies
- Languages\*
- Mathematical Sciences\*
- Medical Science^
- Music\*^
- Pacific Studies
- Public Policy^
- Political Science^
- Politics, Philosophy and Economics^
- Science
- Science (Psychology)
- Statistics\*
- Visual Arts

^ Cannot be combined with the Bachelor of Engineering (Research and Development) (Honours).

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

### Flexible Double Advanced Computing (Honours)

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

- Advanced Computing (Hons)\*
- Advanced Computing (Research and Development) (Hons)\*

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

- Accounting^
- Actuarial Studies\*
- Applied Data Analytics
- Arts
- Asian Studies^
- Biotechnology\*
- Business Administration
- Business Information Systems
- Commerce
- Criminology^
- Design
- Economics
- Environment and Sustainability
- Finance
- Genetics\* ^
- International Relations^
- International Security Studies
- Languages\*
- Mathematical Sciences\*
- Medical Science^
- Music
- Pacific Studies
- Public Policy^
- Political Science^
- Politics, Philosophy and Economics^
- Science
- Science (Psychology)
- Statistics\*
- Visual Arts

^ Cannot be combined with the Bachelor of Engineering (Research and Development) (Honours).

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

### Flexible Double Law

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

- Accounting
- Actuarial Studies\*
- Applied Data Analytics
- Arts
- Asian Studies
- Biotechnology\*
- Business Administration
- Business Information Systems
- Commerce
- Computing\*
- Criminology
- Design\*
- Economics
- Environment and Sustainability
- Finance
- Genetics\*
- International Relations
- International Security Studies
- Languages
- Mathematical Sciences\*
- Medical Science\*
- Music\*
- Pacific Studies
- Political Science
- Politics, Philosophy and Economics
- Public Policy
- Science
- Science (Psychology)
- Statistics\*
- Visual Arts\*

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

### Flexible Double Degree PhB Advanced Arts, Social Sciences, Business and Science

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

- Philosophy (Honours) – Science\*
- Science (Advanced) (Honours)

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

- Accounting
- Actuarial Studies\*
- Applied Data Analytics
- Arts
- Asian Studies
- Biotechnology\*
- Business Administration
- Business Information Systems
- Commerce
- Computing
- Criminology
- Design\*
- Economics
- Environment and Sustainability
- Finance
- Genetics\*
- International Relations
- International Security Studies
- Languages
- Mathematical Sciences
- Medical Science\*
- Music\*
- Pacific Studies
- Political Science
- Politics, Philosophy and Economics
- Science
- Science (Psychology)
- Statistics\*
- Visual Arts\*

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

### Vertical degrees

The College of Science and Medicine at ANU offers a range of vertical (Bachelor/Master) options. For details, search for 'study options' at [anu.edu.au](http://anu.edu.au) then select 'Vertical Double Degrees', or visit [programsandcourses.anu.edu.au](http://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

ANU offers the following undergraduate research degrees:

- B Advanced Computing (Hons)\*
- B Advanced Computing (Research and Development) (Hons)\*
- B Engineering (Hons)\*
- B Engineering (Research & Development) (Hons)\*
- B Engineering (Hons) in Software Engineering\*
- B Finance, Economics and Statistics (Hons)\*
- B Laws (Hons)
- B Philosophy (Hons) Science\*
- B Philosophy (Hons) Humanities and Social Sciences\*
- B Science (Advanced) (Hons)

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

## Get in touch

Avondale University



(+61 2) 4980 2377



[study@avondale.edu.au](mailto:study@avondale.edu.au)



[avondale.edu.au](http://avondale.edu.au)

## In person

### Lake Macquarie campus

582 Freemans Drive  
Cooranbong NSW 2265

### Sydney campus

185 Fox Valley Road  
Wahroonga NSW 2076

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

## Arts

**Areas of study:** Accounting, ancient history, Asian studies, biology science, chaplaincy, chemistry, communication, counselling, design and technologies, education, English, food and nutrition, geography, health and physical education, human resource management, humanities, marketing, mathematics, modern history, music, outdoor education, psychology, religious studies, textiles, visual arts.

**Assumed knowledge:** **For Mathematics:** Mathematics Extension 1. **For Music:** (1) Performance: AMEB Grade 6 (or equivalent) on instrument or voice; and (2) Musicianship and Theory: AMEB Grade 4 minimum (or equivalent).

## Arts (Counselling)

**Areas of study:** Chaplaincy, counselling, psychology.

## Business

### Business (Dip)

### Business (Undergraduate Cert)

**Areas of study:** Accounting, business administration, human resource management, marketing.

## Ministry and Theology

**Areas of study:** Biblical studies, chaplaincy, church ministry, theology.

## Nursing

**Areas of study:** Aged care, child health, community, general and speciality nursing areas of acute care, high dependency areas, mental health.



## Teaching/Arts

### Early Childhood (Birth–5 years)

**Areas of study:** Academic literacy, Christian education, curriculum studies, professional development.

### Primary

**Areas of study:** Primary key learning areas including English, mathematics, humanities and social sciences, creative arts, science, health and physical education.

**Assumed knowledge:** **For Mathematics:** Mathematics Extension 1. **For Chemistry:** Chemistry, Mathematics Advanced.

### Secondary

**Areas of study:** Secondary teaching areas include: ancient history\*, biology, business studies and commerce, chemistry, computing technologies\*, design and technology, English, food technology, geography\*, health and physical education, home economics, industrial technology, legal studies\*, mathematics, modern history, music, religious studies, science, technology and applied studies, textiles technology, visual arts.

*\* Offered as a minor only*

**Assumed knowledge:** **For Chemistry:** Chemistry and Mathematics Advanced. **For Mathematics:** Mathematics Extension 1. **For Music:** (1) Performance: AMEB Grade 6 (or equivalent) on instrument or voice; and (2) Musicianship and Theory: AMEB Grade 4 (or equivalent).

## Teaching/Science

**Areas of study:** Secondary teaching in biology, chemistry, food technology, mathematics, physics, science.

**Assumed knowledge:** **For Chemistry:** Chemistry and Mathematics Advanced. **For Mathematics:** Mathematics Extension 1. **For Physics:** Physics and Mathematics Extension 1.

## Theology

**Areas of study:** Biblical studies, theology.


## University Preparation (Undergraduate Cert)

**Areas of study:** General academic skills, tertiary literacy skills.



### Get in touch

Charles Sturt University  
Panorama Avenue  
Bathurst NSW 2795

 1800 275 278

 [csu.edu.au/contacts/enquiry](https://csu.edu.au/contacts/enquiry)

 [study.csu.edu.au](https://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

#### Dubbo campus

Administration Office  
Tony McGrane Place, Dubbo NSW 2830

#### Orange campus

Marketing Coordinator  
Building 1001, Leeds Parade, Orange NSW 2800

#### Port Macquarie campus

Marketing Coordinator  
7 Major Innes Road, Port Macquarie NSW 2444

#### Wagga Wagga campus

Marketing Coordinator  
Building 481, Boorooma Street, Wagga Wagga NSW 2650

### Read this first



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

*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, business analytics, business ethics, business law, corporate sustainability, economics, finance, financial and management accounting, industry placement, management, risk management, taxation.

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



### Agriculture

#### Agriculture

**Areas of study:** Agribusiness, agronomy, contemporary farm systems, farm production, livestock production, plant 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), agriculture economics, business law, soil science.

**Assumed knowledge:** Mathematics Standard 2, Investigating Science.

#### Horticulture

**Areas of study:** Applied plant science, botany, crop management, management, plant taxonomy, soil science.

**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.

## Arts

**Creative Arts**  
**English**  
**Environmental Studies**  
**History**  
**Human Services**  
**Humanities Pathway to Teaching**  
**Justice Studies**  
**Management and Marketing**  
**Performing Arts**  
**Philosophy and Ethics**  
**Psychology**  
**Sociology**  
**Writing and Publishing**

**Recommended studies:** Any 2 units of English.

## Business and Business Studies

**Areas of study:** Business, business analytics, business ethics, corporate sustainability, economics, finance, human resource management, industry placement, leadership, management, marketing, strategic management.

**Recommended studies:** Any 2 units of English.

## Communication

### Design and Content Creation

**Areas of study:** Audio production and podcasting, content management and curation, creative writing and content strategy, digital and social media production, digital ethics and law, media and data analysis, project management, video and screen media production, visual and graphic design.

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

### Journalism

**Areas of study:** Data journalism, digital and social media production, ethical journalism, global journalism, investigative journalism, journalistic writing and editing, mobile journalism, multimedia content creation, multi-media storytelling, print and broadcast journalism.

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

### Strategic Communication

**Areas of study:** Advanced digital strategy, advertising, campaign development, AI and data driven communications, corporate and brand communication, corporate social responsibility and sustainability communication crisis and issues management, entrepreneurship, event management, strategic design and content creation, influencer and engagement strategies, intercultural and global communication, media relations and public affairs, persuasive and narrative communication, reputation management, project management, public relations, strategic communication design.

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

## Criminal Justice

**Areas of study:** Criminal justice, criminal law and psychology criminology.

## Education

If you haven't met the required minimum ATAR, you can undertake an alternative pathway into early childhood, primary or secondary teaching.

### Early Childhood and Primary

**Areas of study:** Teaching (early childhood). Teaching (primary), Creative Arts; English; Human Society and Its Environment (HSIE); Mathematics; Personal Development, Health and Physical Education (PDHPE), Science and Technology.

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

### K-12

**Areas of study:** Teaching (primary) and teaching (secondary) in Drama, English, Human Society and its Environment (HSIE), Business Studies, Legal Studies, Modern history, Mathematics, Personal Development, Health and Physical Education (PDHPE), Science (Biology, Chemistry, Physics), Visual Arts. Majors are dependent on campus offerings and study may be mixed mode (online and on campus).

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

### Primary

**Areas of study:** Teaching (primary), Creative Arts; English; Human Society and Its Environment (HSIE); Mathematics; Personal Development, Health and Physical Education (PDHPE), and Science and Technology. Study a range of electives within these areas or choose from topics such as general education studies, early childhood education, First Nations studies, psychology.

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

### Secondary

**Areas of study:** Teaching (secondary), Creative Arts, English, Human Society and Its Environment (HSIE), Mathematics, Personal Development, Health and Physical Education (PDHPE), Science and Technology

**Assumed knowledge:** Any 2 units of English.

**Recommended studies: *For Science and Technology stream:*** At least 2 units of science.

### Technology and Applied Studies

**Areas of study:** Teaching (secondary) Design and Technology, Technology Mandatory and one of the following: Agriculture, Food Technology, Industrial Technology, 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:** A minimum of three Band 5 HSC results, including one in English, plus any 2 units of mathematics (Band 4).

**Recommended studies:** Any 2 units of English, any 2 units of mathematics, Design and Technology and/or any of the following: Agriculture, Food Technology, Enterprise Computing, Industrial Technology, Software Engineering, Textiles and Design. ***For Agriculture and Food Technology:*** Chemistry.

## Engineering

**Areas of study:** Aerospace, civil, design, environmental, electrical, mechanical, mechatronics, paid industry cadetships, renewable energy, robotics, transport and infrastructure, water resources.

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

**Recommended studies:** Physics, Mathematics Advanced.

## 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

**Areas of study:** Exercise, exercise science, sports administration, sports media, sports science, teaching.

**Assumed knowledge:** Chemistry, Mathematics Advanced, Physics.

**Recommended studies:** English Standard.

**Additional selection criteria:** Refer to [study.csu.edu.au/courses/bachelor-dental-science](http://study.csu.edu.au/courses/bachelor-dental-science).

### Health and Medical Science

**Areas of study:** Bacteriology, clinical chemistry, epidemiology, human reproduction, law and ethics, microbiology, nutrition, pathophysiology.

**Assumed knowledge:** Chemistry, Mathematics Advanced.

**Recommended studies:** Biology.

### Occupational Therapy

**Areas of study:** Human anatomy, occupational therapy practice, neuroscience for health practice, physiology.

**Assumed knowledge:** English Standard.

**Recommended studies:** Biology.

### Oral Health (Therapy and Hygiene)

**Areas of study:** Oral health, oral health practice, oral health science.

**Assumed knowledge:** Chemistry, English Standard.

**Recommended studies:** Biology.

### Paramedicine

**Areas of study:** Applied pharmacology for paramedicine, human anatomy and physiology, mental health, paramedic medical science, paramedic trauma science, paramedicine.

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

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

### Podiatric Medicine

**Areas of study:** Human anatomy and physiology, podiatric biomechanics, podiatry.

**Assumed knowledge:** English Standard.

**Recommended studies:** Biology, Mathematics Advanced.

### Physiotherapy

**Areas of study:** Acute care, human anatomy and physiology, musculoskeletal physiotherapy practice, physiotherapy.

**Assumed knowledge:** Any 2 units of English.

**Recommended studies:** Biology.

## Information Technology

### Information Technology

**Areas of study:** Cybersecurity, industry placement, network engineering, software development, web development.

## Law

**Areas of study:** Law (The Priestley 11\*), administrative and government law, community law and culture criminal justice, criminal law, criminology, company law, constitutional law, contract law, evidence law, family law, finance law, international public and private law, human rights and social justice, natural resources law, property law, succession law, technology law.

\* *The Priestley 11 are the 11 law subjects that you're required to complete in your undergraduate degree for admission into practice as a legal practitioner in Australia.*

**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

**Areas of study:** Clinical sciences, critical care, emergency medicine, First Nations peoples' health, medicine.

**Recommended studies:** Biology, Chemistry, Physics.

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

## Nursing

**Areas of study:** First Nations peoples' health, human anatomy and physiology, mental health care, nursing.

**Assumed knowledge:** English Standard, Mathematics Advanced.

**Recommended studies:** Health and Movement Science, first-aid certificate, mental health first-aid certificate.

## Pharmacy

**Areas of study:** Pharmaceuticals, pharmacy, pharmacy practice.

**Assumed knowledge:** Chemistry, Mathematics Advanced.

**Recommended studies:** Biology.

## Psychology

**Areas of study:** Biopsychology, cognition, developmental and social psychology, learning theory and research methodology, personality, psychological testing, psychopathology, social science, sociology. Students also complete a minor study in another discipline (eg business, history and politics, justice studies and 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 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:** Knowledge of practice, practical skills, workplace learning, human rights, human services, psychology, social work, sociology.

**Recommended studies:** Society and Culture, any 2 units of English.

## Theology

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

## Veterinary Science

### Veterinary Biology/Veterinary Science

**Areas of study:** Animal genetics, diagnostics and therapeutics, veterinary anatomy, veterinary pharmacology, veterinary practice.

**Assumed knowledge:** Biology, Chemistry, Mathematics Advanced.

**Additional selection criteria:** Supplementary application form, interview.

### Veterinary Technology

**Areas of study:** Applied Veterinary Nursing, animal anatomy and physiology, animal handling and health care, animal health, clinical technology, foundations in veterinary surgical nursing, large animal technology, practice management, veterinary technology.

**Assumed knowledge:** Chemistry, Mathematics Advanced.

# SUBJECT COMPASS

FREE ONLINE TOOL

Can help you find your way to the HSC courses that are right for you.

Tell us about your interests, skills and goals and we'll make some suggestions.

Scan to explore your options using UAC's **Subject Compass** tool, or go to [uac.edu.au/subject-compass](http://uac.edu.au/subject-compass).




# COLLARTS

AUSTRALIAN COLLEGE OF THE ARTS

CRICOS provider number: 03392K  
TEQSA provider ID: PRV12187

## Get in touch

Collarts

 (+61) 1300 818 777

 [admissions@collarts.edu.au](mailto:admissions@collarts.edu.au)

 [collarts.edu.au](http://collarts.edu.au)

## In person

### Sydney campus

242 Young Street  
Waterloo NSW 2017

For other campus locations, visit [collarts.edu.au](http://collarts.edu.au)

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

## 2D Animation

### 2D Animation (Dip)

**Areas of study:** 2D character design, 2D environment design, acting for animation, animation capstone development and project, animation futures, animation practice, animation principles, contemporary art, design and cultural history, creative entrepreneurship, creative foundations, drawing for animation, film animation: history and theory, industry awareness, industry foundations, media literacy, motion design, production design and art direction, screenwriting for animation, soundtrack for screen, storyboarding and cinematography, visual storytelling.

**For Dip:** Animation practice, animation principles, animation theory, creative foundations, drawing for animation, film animation: history and theory, industry foundations, motion design, production design and art direction, visual storytelling.

**Additional selection criteria:** Successful Entry Conversation with a Future Student Advisor.

## Applied Business (Entertainment Management)

### Applied Business (Entertainment Management) (Dip)

**Areas of study:** Business structures and organisational behaviour, business technology and strategic planning, content creation, copyright management, creative foundations, creativity culture and innovation in entertainment, entertainment finance management, entertainment marketing, event management, global entertainment industries, industry foundations, managing event spaces, partnerships and funding, publicity and public relations in entertainment, rights management, talent management, tour management.

**For Dip:** Content creation, creative foundations, creativity culture and innovation in entertainment, entertainment business law, entertainment management, entertainment marketing, event management, industry foundations.

**Additional selection criteria:** Successful Entry Conversation with a Future Student Advisor.

## Arts (Interior Design)

### Interior Design (Dip)

**Areas of study:** Colour exploration, creative foundations, creative theory, design drawing, design entrepreneurship, design for environments, design for experience, design for humanity, design movements, digital drawing, digital integration,



emerging technologies, global industry and careers, material exploration, regional design culture, systems and assembly.

**For Dip:** Colour exploration, creative foundations, creative theory, design drawing, design movements, digital drawing, digital integration, material exploration.

**Additional selection criteria:** Successful Entry Conversation with a Future Student Advisor.

## Audio Production

### Audio Production (Dip)

**Areas of study:** Acoustics, advanced digital and wireless, advanced live production, analogue production, audio entrepreneurship, audio visual production, contemporary production, creative foundations, digital introduction and monitors, expanded production, future technologies, game and interactive sound, immersive audio, industry foundations, mastering, mixing foundations, recording studio techniques, short films, tv and automated dialogue replacement.

**For Dip:** Analogue production, creative foundations, digital introduction and monitors, industry foundations, locations and libraries, mixing foundations, recording foundations, short films.

**Additional selection criteria:** Successful Entry Conversation with a Future Student Advisor.

## Design (Fashion and Sustainability)

### Design (Fashion and Sustainability) (Dip)

**Areas of study:** Bespoke couture and slow making, business strategy, career development, communication and marketing, creative foundations, entrepreneurship, ethical business management, fashion design, fashion resourcing and remaking, fibres fabrics and fabrications, future fashion design, history of fashion systems, industry foundations, materials and making, sustainable fashion business, zero waste techniques.

**For Dip:** Creative foundations, fashion design, fashion resourcing and remaking, fibres fabrics and fabrications, history of fashion systems, industry foundations, sustainable fashion business.

**Additional selection criteria:** Successful Entry Conversation with a Future Student Advisor.

## Digital and Social Media

### Digital and Social Media(Dip)

**Areas of study:** Audio storytelling, communication law, ethics and regulation, contemporary art, design and culture, content strategy, copywriting, creative entrepreneurship, creative foundations, data analysis, visualisation and information design, design principles, elements and colour, digital and social media capstone development, digital and social media capstone project, digital audiences and communities, digital photography, digital storytelling, human centred design, industry foundations, media and society, principles of motion design, user experience and interface design, video production.

**For Dip:** Audio storytelling, communication law, ethics and regulation, contemporary art, design and culture, content strategy, copywriting, creative entrepreneurship, creative foundations, data analysis, visualisation and information design, design principles, elements and colour, digital and social media capstone development, digital and social media capstone project, digital audiences and communities, digital photography, digital storytelling, human centred design, industry foundations, media and society, principles of motion design, user experience and interface design, video production.

**Additional selection criteria:** Successful Entry Conversation with a Future Student Advisor.

### Fashion Marketing (Branding and Communication) Fashion Marketing (Branding and Communication) (Dip)

**Areas of study:** Consumer insights and fashion consumption, creative foundations, data analysis and fashion analytics, digital fashion campaigns, e-commerce and user experience, fashion brand communications, fashion product lifecycle, fashion retail environments, fashion styling and image making, global fashion narratives, industry foundations, marketing and branding, retail disruptors and fashion frontiers, social media and fashion influencers, sustainable fashion business, sustainable marketing communications, visual merchandising and product narratives.

**For Dip:** Creative foundations, fashion product lifecycle, fashion retail environments, global fashion narratives, industry foundations, introduction to marketing and branding, sustainable fashion business, visual merchandising and product narratives.

**Additional selection criteria:** Successful Entry Conversation with a Future Student Advisor.

### Fashion Marketing (Buying and Retail Management)

**Areas of study:** Consumer insights and fashion consumption, creative foundations, data analysis and fashion analytics, digital application for fashion products, e-commerce and user experience, ethical business management, fashion buying and product curation, fashion finances and merchandising strategies, fashion materials and making, fashion product lifecycle, fashion retail environments, fashion styling and image making, global fashion narratives, industry foundations, marketing and branding, retail disruptors and fashion frontiers, sustainable fashion business, visual merchandising and product narratives.

**For Dip:** Same as Fashion Marketing (Branding and Comm)(Dip).

**Additional selection criteria:** Successful Entry Conversation with a Future Student Advisor.

### Graphic and Digital Design Graphic and Digital Design (Dip)

**Areas of study:** Advanced typography, brand experience, contemporary art, design and cultural history, copywriting, creative entrepreneurship, creative foundations, data analysis, visualisation and information design, design law, ethics and regulation, design principles, elements and colour, design systems, design thinking and innovation, experience design, graphic and digital design capstone development, graphic and digital design capstone project, human-centred design, industry foundations, motion design, persuasion and representation, publication design, typography fundamentals, user experience and interface design.

**For Dip:** Copywriting, creative foundations, design principles, elements and colour, design thinking and innovation, industry foundations, motion design, persuasion and representation, typography fundamentals.

**Additional selection criteria:** Successful Entry Conversation with a Future Student Advisor.

### Music Production Music Production (Dip)

**Areas of study:** Collaborative recording, composing and sequencing, contemporary production, content creation, creative entrepreneurship, creative foundations, creative

software practice, mastering, mixing foundations, music for the moving image, music production foundations, producing styles and genres, recording foundations, remixing and arranging, songwriting and producing, sound studies, technology in performance.

**For Dip:** Composing and sequencing, creative foundations, creative software practice, industry foundations, mixing foundations, music production foundations, recording foundations, technology in performance.

**Additional selection criteria:** Successful Entry Conversation with a Future Student Advisor.

### Performing Arts (Acting) Performing Arts (Acting) (Dip)

**Areas of study:** Acting foundations, acting studio, applied dramaturgy, Australian theatre, creative foundations, ensemble production, improvisation, industry foundations, intimacy, consent, stage combat, performance innovation, screen acting, theatre making, theatre studies.

**For Dip:** Acting foundations, creative foundations, ensemble production, industry foundations, theatre making, theatre studies.

**Additional selection criteria:** Entry conversation and audition.

### Performing Arts (Stage Management) Performing Arts (Stage Management) (Dip)

**Areas of study:** Acting foundations, applied dramaturgy, Australian theatre, creative foundations, ensemble production, industry foundations, intimacy, consent, stage combat, performance innovation, stage management, technical production, theatre making, theatre studies.

**For Dip:** Same as Performing Arts (Acting)(Dip).

**Additional selection criteria:** Entry conversation and audition.

### Performing Arts (Writing and Directing) Performing Arts (Writing and Directing) (Dip)

**Areas of study:** Acting and performance, Australian theatre, collaborative practice, creative and industry foundations, directing (stage and screen), dramaturgy, ensemble production, intimacy, consent and stage combat, performance innovation, theatre making, theatre studies, writing (stage and screen).

**For Dip:** Same as Performing Arts (Acting)(Dip).

**Additional selection criteria:** Entry conversation and audition.

### Screen and Media Screen and Media (Dip)

**Areas of study:** Branded content, creative entrepreneurship, digital film editing, documentary production, episodic production, episodic screenwriting, global screen cultures, impact, marketing and distribution, industry placement, introduction to production, mobile filmmaking, professional inquiry, screen craft, screen studies and creative capstone project, screenwriting for short film, soundtrack for screen, stories on screen, video and digital filmmaking.

**For Dip:** Australian screen cultures, critical thinking: screen and media theory, digital film editing, episodic screenwriting, introduction to production, mobile filmmaking, stories on screen, video and digital filmmaking.

**Additional selection criteria:** Successful Entry Conversation with a Future Student Advisor.


### Combined degrees

If you intend to undertake a combined degree, check the information for the relevant single degrees or contact Collarts for further details.

- Audio Production/Applied Business (Entertainment Management)

## Get in touch

Student Enquiries  
CQUniversity Sydney  
400 Kent Street  
Sydney NSW 2000

 13 27 86

 via [contactus.cqu.edu.au](mailto:contactus.cqu.edu.au)

 [cqu.edu.au](http://cqu.edu.au)

## 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, Assoc Deg or Undergraduate Cert is shown in brackets. Subheadings are specialisations within the course.*

## Accounting Accounting (Undergraduate Cert)

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

**Recommended studies:** English Standard, Mathematics Standard 2.

## Agriculture

**Areas of study:** Agronomy, ag tech, earth and climate science, livestock, science and environment, sustainable futures.

## Animation (Dip)

**Areas of study:** Animation.

## Arts Arts (Dip)

**Areas of study:** Creative writing, geography, history and politics, liberal arts, literary studies, pathway to teaching, strategic communication, 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 surveying, built environment, commercial construction, infrastructure planning, residential construction.

**Recommended studies:** English Standard, Mathematics Standard 2.

## Business Business Studies (Dip) Business (Undergraduate Cert)

**Areas of study:** Accounting, digital business, financial planning, hospitality management, human resources management, management, marketing, property.

## Construction Management

**Areas of study:** Building law and regulations, building systems, built environment, construction management, cost planning and control, geotechnical studies, structural design processes.

**Recommended studies:** English Standard, Mathematics Standard 2.

## Creative Media Creative Media (Dip)

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

**Course prerequisites:** *For B Creative Media:* English Standard.

## Echocardiography (Cardiac Physiology)

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

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

## Engineering

### Engineering (Co-op)

### Engineering (Assoc Deg)

**Areas of study:** *For Engineering:* Civil, civil with humanitarian, civil with trade practice, electrical, electrical with data analytics, electrical with industrial automation, electrical with information processing, electrical with trade practice, mechanical, mechanical with agricultural machinery, mechanical with industrial automation, mechanical with process systems, mechanical with renewable energy, mechanical with trade practice, resource systems, resource systems with trade practice.

**For Engineering (Co-op):** Civil, civil with humanitarian, electrical, electrical with data analytics, electrical with industrial automation, electrical with information processing, mechanical, mechanical with industrial automation, resource systems.

**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, resource systems.

**Course prerequisites:** English Standard, Mathematics Standard 2.

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

## Exercise and Sport Sciences

**Areas of study:** Biomechanics, biomedical sciences, exercise physiology, exercise and sport sciences, management and business, motor control and learning, secondary teaching.

**Course prerequisites:** English Standard.

**Recommended studies:** Biology, Health and Movement Science, Mathematics Standard 2.

## Graphic Design (Dip)

**Areas of study:** Graphic Design.

## Health Science

**Areas of study:** Aboriginal and Torres Strait Islander studies, human and community wellbeing, introduction to occupational therapy, introduction to physiotherapy, introduction to podiatry, introduction to speech pathology, project management, psychology for health public health, strategic communications.

**Course prerequisites:** English Standard.

**Recommended studies:** Biology, Chemistry, Physics.

## Information Technology

### Information Technology (Co-op)

### Information Technology (Assoc Deg)

### Information and Communications Technology (Dip)

**Areas of study:** Application development, business analysis, cybersecurity.

**Course prerequisites:** English Standard.

## Interactive Media (Dip)

**Areas of study:** Interactive media.

## Laws

**Areas of study:** Criminal law, constitutional law, contracts, equity and trusts, family law, legal practice, liberal law, torts.

**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, biotechnology and diagnostic pathology, clinical physiology.

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

## Medical Sonography

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

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

## Music

### Music (Dip)

**Areas of study:** Music ensemble, musicology, music pedagogy, music performance, music technology.

**Recommended studies:** Music 2.

## Nursing

**Areas of study:** Chronic health and community care, mental health and wellbeing, pathophysiology and pharmacology, professional nursing practice.

**Course prerequisites:** English Standard, Mathematics Standard 2, one of Biology, Chemistry, Physics or Health and Movement Science.

**Recommended studies:** Mathematics Advanced.

## Nutrition

**Areas of study:** Dietetics pathway, food technology, pathway to teaching (secondary), public health.

**Recommended studies:** English Standard.

## Occupational Health and Safety

### Occupational Health and Safety (Assoc Deg)

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

**Course prerequisites:** English Standard.

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

## Podiatry (Honours)

**Areas of study:** Anatomy and physiology, biomechanics, gerontology, medical imaging, musculoskeletal and sports podiatry, paediatrics, pharmacology, the high-risk foot.

**Course prerequisites:** English Standard.

## Property

**Areas of study:** Financial planning, property economics.

**Recommended studies:** English Standard, Mathematics Standard 2.

## Psychological Science

**Areas of study:** Applied health and sports 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.

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

## Science and Environment

**Areas of study:** Botany and zoology, chemistry, earth and climate science, environmental management.

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

## Science (Criminology and Psychology)

**Areas of study:** Criminal justice, criminology, forensic psychology, psychology, psychotherapies and counselling.

**Course prerequisites:** English Standard.

## Screen Production (Dip)

**Areas of study:** Screen production.

## Social Work

**Areas of study:** Casework and case management, community practice, human services, social group work and family work, 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 relevant degrees. Contact the University for further details.

- Accounting/Business
- Engineering/Building Design
- Engineering/Construction Management
- Engineering/Information Technology
- Engineering/Project Management
- Laws/Accounting
- Laws/Business
- Laws/Science (Psychology)
- Nutrition/Dietetics
- Nutrition/Science (Psychology)

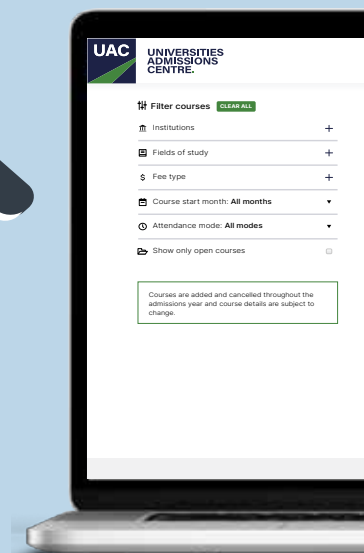
UAC

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uac.edu.au





## Get in touch

Excelsia University College  
69-71 Waterloo Road  
Macquarie Park NSW 2113



(+61 2) 9819 8888



via [excelsia.edu.au/contact/](mailto:excelsia.edu.au/contact/)



[excelsia.edu.au](http://excelsia.edu.au)

*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 (Accounting)

**Areas of study:** Accounting and financial reporting, including audit and assurance, business law, corporate governance, ethics, taxation.

### Dramatic Art Dramatic Art (AssocDeg)

#### Performance Practice Theatre Practice

**Areas of study:** Acting, directing, ensemble-based creative work, producing.

**Additional selection criteria:** Audition and interview.

### Early Childhood Education (Birth to 5)

**Areas of study:** Early childhood numeracy, educational psychology, ethical and professional issues, foundations of early childhood, foundations of teaching and learning, growth and development, health, human society and its environment, literacy, safety and nutrition science, technology.

### Information Technology

#### Business Information Systems Cyber Security Digital Transformation

**Areas of study:** Big data, computer networking, cyber security, data analytics, database management, programming, web application development.

### Management and Entrepreneurship

**Areas of study:** Accounting, business information systems, business law, entrepreneurship, family business management, marketing, project management. Includes an industry and work placement.



### Music Music (AssocDeg)

#### Classical Contemporary Jazz

**Areas of study:** Classical music, composition, contemporary music, digital music studies, drums, guitar, keyboard, live audio, orchestra, performance, piano, production audio, small and large music ensemble, strings.

**Additional selection criteria:** Audition and interview.

### Music (Worship) Music (Worship) (Assoc Deg)

**Areas of study:** Digital music production, music, practical worship leading for ministry contexts, theology of worship.

**Additional selection criteria:** Audition and interview.

### Screen Production

**Areas of study:** Cinematography, directing, editing, production design, screen storytelling.


## Get in touch

### Gold Coast

Student Engagement and Success  
Griffith University  
Parklands Drive  
Southport QLD 4222

### Brisbane South (Nathan)

Student Engagement and Success  
Griffith University  
170 Kessels Road  
Nathan QLD 4111

 1800 677 728

 via [griffith.edu.au/study/contact-us](http://griffith.edu.au/study/contact-us)  
or [ask.secure@griffith.edu.au](mailto:ask.secure@griffith.edu.au)

 [griffith.edu.au](http://griffith.edu.au)

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

## Advanced Digital Marketing and Analytics (Honours)

**Areas of study:** Advertising, AI, data analytics, data science, marketing, sales skills.

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

## Animation

**Areas of study:** 3D art and environments, art direction, character animation, postproduction, virtual production and VFX, writing and development.

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

## Applied Financial Advice Applied Financial Advice (Dip)

**Areas of study:** Behavioural finance, data analysis, estate planning, financial markets, professional identity, risk management, retirement and superannuation, taxation.

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

## Architectural Design

**Areas of study:** Architecture.

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

**Recommended studies:** Mathematics Standard 2 or Mathematics Advanced.

## Arts Arts (Dip)

**Areas of study:** Creative writing, economics, history, human geography, Indigenous studies, Islam-West relations, journalism, language and society, languages (Chinese, French\*, German\*, Indonesian\*, Italian, Japanese, Korean\*, Modern Greek\*, Russian\*, Spanish), literary studies, political science and public policy, psychology, screen studies, sociology, strategic communication, theatre.

\*via cross-institutional study

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



## Aviation Aviation Management

**Areas of study: For Aviation:** Aerodynamics, atmospheric science, aviation law, flight planning and navigation.

**For Aviation Management:** Airport planning, operations and management, security and risk.

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

## Biomedical Science Health Science (Dip)

**Areas of study:** Anatomy, biomedical science, biochemistry, cell biology, clinical sciences, genetics, immunology, infectious disease, microbiology, neuroscience, pharmacology, physiology.

**Assumed knowledge:** Any 2 units of English (Band 3), Mathematics Advanced (Band 3) plus one of Biology, Chemistry or Physics (Band 3).

## Business Business (Dip) Advanced Business (Honours)

**Areas of study:** Behavioural science, business analytics, employment relations, events, financial crime investigation and compliance, human resource management, innovation and entrepreneurship, international business, logistics and supply chain management, management, marketing, real estate and property development, sport management, tourism and travel. Languages are available as a second major : Chinese, French\*, German\*, Indonesian\*, Italian, Japanese, Korean\*, Modern Greek\* and Spanish.

\*via cross-institutional study

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

## Commerce Commerce (Dip) Advanced Commerce (Honours)

**Areas of study:** Accounting, economics, finance, financial planning, financial crime investigation and compliance.

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

## Communication Communication (Dip)

**Areas of study:** Journalism, strategic communication.

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

## Computer Science Advanced Computer Science (Honours)

**Areas of study:** Algorithms and computing, data science and artificial intelligence.

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

## Construction Management (Honours)

**Areas of study:** Building construction management, building practices, construction economics, project management, site safety, sustainable construction.

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

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

## Contemporary Australian Indigenous Art Contemporary Australian Indigenous Art (Dip)

**Areas of study:** Drawing, interior design, jewellery, painting, performance and installation, photography, product and user experience design, sculpture, visual communication design.

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

**Additional selection criteria:** Optional portfolio and interview. For First Nations students only.

## Counselling Psychological Science (Dip)

**Areas of study:** Career counselling, counselling theory and practice, ethics for counselling, group facilitation, lifespan development, social and cultural psychology, therapeutic interventions.

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

## Criminology and Criminal Justice Criminology and Criminal Justice (Dip)

**Areas of study:** Criminal law, criminology, domestic and family violence, First Nations justice, fraud and cybercrime, homicide.

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

## Cyber Security

**Areas of study:** Cryptography, cyber security defence and incident response, cyber security standards and operations, fundamentals of cyber security, digital forensics, ethical hacking, information technology, networks and data management, programming, project management, trustworthy AI.

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

## Design Design (Dip)

**Areas of study:** Interior design, product and user experience design, visual communication design.

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

**Additional selection criteria:** Optional portfolio and interview.

## Education Education (Dip)

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

**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 Secondary:** 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 2.

**For biology, chemistry or physics teaching areas:** Biology, Chemistry or Physics (Band 3) respectively.

*This program meets registration requirements for the Queensland College of Teachers. Applicants wishing to obtain registration in other states/territories will need to ensure that they meet the relevant Education Standards Authority registration requirements.*

## Engineering (Honours) Engineering (Dip) Advanced Engineering (Honours)

**Areas of study:** Civil engineering, electrical and electronic engineering, electrical and renewable energy engineering, electronic engineering, electronic and energy engineering, environmental engineering, mechanical engineering, mechatronics. For software engineering, refer to Software Engineering (Honours).

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

**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.

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

**Recommended studies:** One of Biology, Chemistry or Physics.

## Exercise Science Exercise Science (Dip)

**Areas of study:** Biomechanics, exercise science, health, fitness, human movement, kinesiology, physiology, rehabilitation, sport, wellbeing and performance.

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

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

## Forensic Science

**Areas of study:** Forensic chemistry, forensic molecular biology.

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

**Recommended studies:** One of Biology, Chemistry or Physics.

## Game Design and Production

**Areas of study:** 3D art and environments, art direction, character animation, gameplay programming, virtual production and VFX, writing and development.

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

**Additional selection criteria:** Optional portfolio.

## Health Science Health Science (Dip)

**Areas of study:** Data management and analytics, health communication, pharmaceutical science.

**Assumed knowledge:** Any 2 units of English (Band 3) plus one of Biology, Chemistry, Physics or Mathematics Advanced (Band 3).

## Human Services Social and Human Services (Dip)

**Areas of study:** Children, youth and family, criminal justice, policy, advocacy and research, disability, wellbeing and ageing.

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

## Industrial Design

**Areas of study:** 3D printing, digital modelling, electronics, industrial engineering, mechanics and thermodynamics, mass production and small-scale manufacturing.

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

## Information Technology Information Technology (Dip)

**Areas of study:** Data analytics and IoT, information systems and business analysis, networks and cyber security, software development.

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

## 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:** Behavioural science, business analytics, innovation and entrepreneurship, logistics and supply chain management, management, marketing, political science and international relations, real estate and property development, sport management.

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

## Languages and Linguistics

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

*\*via cross-institutional study*

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

## Laws (Honours) Legal Studies (Dip)

**Areas of study:** Community law, contracts, corporate law, crime, criminal law, environmental justice, ethics, evidence, family law, global law, human rights, Indigenous issues, law clinics, law reform, law theories, legal theory, policy making, property law, refugee law, social justice, torts.

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

## Marine Science

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

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

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

## Medical Laboratory Science

**Areas of study:** Anatomy and physiology, blood transfusion and immunology, cell biology, chemistry, clinical biochemistry, disease diagnosis, haematology, histopathology, medical sciences, microbiology and molecular diagnosis, natural and physical sciences.

**Assumed knowledge:** Any 2 units of English (Band 3), Mathematics Advanced plus one of Biology, Chemistry or Physics (Band 3).

## Nursing Nursing Science (Dip)

**Areas of study:** Nursing.

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

## Nutrition and Dietetics (Honours)

**Areas of study:** Dietetics, health promotion, nutrition.

**Assumed knowledge:** Any 2 units of English (Band 3), plus one of Biology, Chemistry, Mathematics Advanced (Band 3).

## Pharmacology and Toxicology Health Science (Dip)

**Areas of study:** Pharmaceutical industry, pre-clinical.

**Assumed knowledge:** Any 2 units of English (Band 3), Mathematics Advanced or Mathematics Extension 1 or Mathematics Extension 2 plus one of Biology, Chemistry or Physics (Band 3).

## Pharmacy (Honours) Health Science (Dip)

**Areas of study:** Pharmacy.

**Assumed knowledge:** Any 2 units of English (Band 3), Mathematics Advanced or Mathematics Extension 1 or Mathematics Extension 2 plus one of Biology, Chemistry or Physics (Band 3).

## 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:** Chinese language, economics, French language\*, German language\*, Indonesian language\*, international business, Islam-West relations, Italian language, Japanese language, Korean language\*, Spanish language.

*\*via cross-institutional study*

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

## Psychological Science Psychological Science (Dip)

**Areas of study:** Psychology.

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

## Psychology (Honours)

**Areas of study:** Clinical and counselling, development and community, health and sport, organisational, psychological science.

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

## Public Health

**Areas of study:** Disease, hygiene, injury prevention, public health.

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

## Quantum Electronic Engineering (Honours)

**Areas of study:** Electronic engineering, quantum computing and software development, quantum communications and encryption.

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

## Science

### Advanced Science (Honours) Applied Science (Dip)

**Areas of study:** Applied mathematics, archaeology, biochemistry, biochemistry and molecular biology, chemistry, clinical sciences, data science, ecology, geography, marine biology, microbiology, physics. Students can choose up to two majors.

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

**Recommended studies:** One of Biology, Chemistry or Physics.

## Social Work

### Social Work (Honours) Social and Human Services (Dip)

**Areas of study:** Social work.

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

## Software Engineering (Honours)

**Areas of study:** Software engineering.

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

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

## Sport Development

**Areas of study:** Biomechanics, coaching and community development, health promotion, equipping you with practical knowledge in physiology, psychology, sport science.

**Assumed knowledge:** Any 2 units of English (Band 3), plus one of Biology, Chemistry, Physics, Mathematics Standard 2 or Mathematics Advanced (Band 3).

## Urban Planning (Honours)

**Areas of study:** Environmental planning; transport planning.

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

**Recommended studies:** Mathematics Standard 2 or Mathematics Advanced.

## Visual Arts

### Visual Arts (Dip)

**Areas of study:** Painting, photography, sculpture, performance and installation.

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

**Additional selection criteria:** Optional portfolio and interview.

## Bridging and Enabling

### Empowered University Preparation Program

This program provides a pathway for applicants who don't meet the formal entry requirements for an undergraduate degree at Griffith. If you successfully complete this program with a GPA of 4.0 or above, you may be eligible for guaranteed admission into a range of degrees.

**Course prerequisite:** Meet the University's English language proficiency requirements.

## 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.

- Architectural Design/Business
- Architectural Design/Construction Management
- Architectural Design/M Architecture
- Architectural Design/ M Urban and Environmental Planning
- Arts/Business
- Arts/M Public Policy and Leadership
- Aviation/Information Technology
- Business/Criminology and Criminal Justice
- Business/Data Science
- Business/Political Science and International Relations
- Commerce/Business
- Communication/Business
- Communication/Political Science and International Relations
- Communication/Science
- Communication/M Public Policy and Leadership
- Cyber Security/Business
- Cyber Security/Criminology and Criminal Justice
- Design/Business
- Engineering (Hons)/Aviation
- Engineering (Hons)/Business
- Engineering (Hons)/Computer 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
- Forensic Science/Criminology and Criminal Justice
- Information Technology/Business
- International Tourism and Hotel Management/Business
- Laws (Hons)/Arts
- Laws (Hons)/Biomedical Science
- Laws (Hons)/Business
- Laws (Hons)/Commerce
- Laws (Hons)/Communication
- Laws (Hons)/Criminology and Criminal Justice
- Laws (Hons)/Cyber Security
- Laws (Hons)/Environmental Science
- Laws (Hons)/Political Science and International Relations
- Laws (Hons)/Psychological Science
- Political Science and International Relations/Criminology and Criminal Justice
- Political Science and International Relations/M International Law
- 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

 1800 110 490

 [start@icms.edu.au](mailto:start@icms.edu.au)

 [icms.edu.au](http://icms.edu.au)



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

*Note: All courses require completion of NSW HSC (or equivalent)*

## Business

**Areas of study:** Business law, creativity and innovation, data informed decision-making, economics, ethics, financial literacy, global citizenship, leadership, marketing, management, sustainability and profit.

**Recommended studies:** Completion of NSW HSC (or equivalent) with a minimum Band 2 in English Standard or English EAL/D and a Band 2 in any one of the following: Mathematics Standard 2, Business Studies, Economics, Chemistry, Physics, Biology, Legal Studies, Financial Services or Business Services.

## Business (Accounting)

**Areas of study:** Accountancy, business law, creativity and innovation, data informed decision-making, economics, ethics, financial literacy, global citizenship, leadership, marketing, management, sustainability and profit.

**Recommended studies:** Completion of NSW HSC (or equivalent) with a minimum Band 2 in English Standard or English EAL/D and a Band 2 in any one of the following: Mathematics Standard 2, Business Studies, Economics, Chemistry, Physics, Biology, Legal Studies, Financial Services or Business Services.

## Business (Entrepreneurship and Innovation)

**Areas of study:** Accountancy, business law, creativity and innovation, data informed decision-making, economics, ethics, financial literacy, global citizenship, innovation, leadership, marketing, management, sustainability and profit, venture ideation.

**Recommended studies:** Completion of NSW HSC (or equivalent) with a minimum Band 2 in English Standard or English EAL/D and a Band 2 in any one of the following: Mathematics Standard 2, Business Studies, Economics, Chemistry, Physics, Biology, Legal Studies, Financial Services or Business Services.

## Business (Fashion and Global Brand Management)

**Areas of study:** Accountancy, brand management, business law, creativity and innovation, data informed decision-making, economics, ethics, fashion planning, financial literacy, global citizenship, innovation, leadership, marketing, management, retail strategy, sustainability and profit, visual merchandising.

**Recommended studies:** Completion of NSW HSC (or equivalent) with a minimum Band 2 in English Standard or English EAL/D and a Band 2 in any one of the following: Mathematics Standard 2, Business Studies, Economics, Chemistry, Physics, Biology, Legal Studies, Financial Services or Business Services.

## Business (International Tourism)

**Areas of study:** Airline management, business law, creativity and innovation, data informed decision-making, economics, ethics, financial literacy, global citizenship, leadership, marketing, management, sustainability and profit, technology and innovation, tour design, tourism.

**Recommended studies:** Completion of NSW HSC (or equivalent) with a minimum Band 2 in English Standard or English EAL/D and a Band 2 in any one of the following: Mathematics Standard 2, Business Studies, Economics, Chemistry, Physics, Biology, Legal Studies, Financial Services or Business Services.

## Business (Marketing)

**Areas of study:** Business law, communications, creativity and innovation, data informed decision-making, economics, ethics, financial literacy, global citizenship, leadership, marketing, management, marketing strategy, social media.

**Recommended studies:** Completion of NSW HSC (or equivalent) with a minimum Band 2 in English Standard or English EAL/D and a Band 2 in any one of the following: Mathematics Standard 2, Business Studies, Economics, Chemistry, Physics, Biology, Legal Studies, Financial Services or Business Services.

## Business (Sports Management)

**Areas of study:** Athlete management, business law, creativity and innovation, data informed decision-making, economics, ethics, events management, financial literacy, global citizenship, leadership, marketing, management, sport management, sport marketing, sustainability and profit.

**Recommended studies:** Completion of NSW HSC (or equivalent) with a minimum Band 2 in English Standard or English EAL/D and a Band 2 in any one of the following: Mathematics Standard 2, Business Studies, Economics, Chemistry, Physics, Biology, Legal Studies, Financial Services or Business Services.

## Event Management

**Areas of study:** Event design, event management, site logistics, sport management.

**Recommended studies:** Completion of NSW HSC (or equivalent) with a minimum Band 2 in English Standard or English EAL/D and a Band 2 in any one of the following: Mathematics Standard 2, Business Studies, Economics, Chemistry, Physics, Biology, Legal Studies, Financial Services or Business Services.

## Hospitality Management

**Areas of study:** Bar and mixology, business, data informed decision-making, economics, ethics, financial literacy, food and beverage service, gastronomy, leadership, marketing, management, sustainability and profit.

**Recommended studies:** Completion of NSW HSC (or equivalent) with a minimum Band 2 in English Standard or English EAL/D and a Band 2 in any one of the following: Mathematics Standard 2, Business Studies, Economics, Chemistry, Physics, Biology, Legal Studies, Financial Services or Business Services.

## Information Technology

### Information Technology (Big Data and Analytics)

### Information Technology (Cyber Security)

**Areas of study:** Analytics, artificial intelligence, big data, cyber security, data science, game design and development, information systems and business analysis, software technology, web and mobile app development.

**Recommended studies:** Completion of NSW HSC (or equivalent) with a minimum Band 2 in English Standard or English EAL/D and a Band 2 in any one of the following: Mathematics Standard 2, Business Studies, Economics, Chemistry, Physics, Biology, Legal Studies, Financial Services or Business Services.

## Property (Development, Investment and Valuation)

**Areas of study:** Asset management, business law, creativity and innovation, development, economics, ethics, financial literacy, global citizenship, land and property law, leadership, marketing, management, property investment, sustainability and profit, valuation.

**Recommended studies:** Completion of NSW HSC (or equivalent) with a minimum Band 2 in English Standard or English EAL/D and a Band 2 in any one of the following: Mathematics Standard 2, Business Studies, Economics, Chemistry, Physics, Biology, Legal Studies, Financial Services or Business Services.

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**OPEN DAYS**

Get a taste of life on campus  
and talk to faculty staff.


For dates and locations, go to  
[uac.edu.au/open-days](https://uac.edu.au/open-days).



## Get in touch

JMC Academy  
561 Harris Street  
Ultimo NSW 2007

 1300 410 311

 [sydney@jmc.edu.au](mailto:sydney@jmc.edu.au)

 [jmcacademy.edu.au](http://jmcacademy.edu.au)



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

## Audio Engineering and Sound Production

**Areas of study:** Acoustic design, acoustics theory, audio and sound theory, audio engineering, audio post production, audio system design, electronic music, electronics, foley, history of Western recording, live sound, music business, music history, music production, music production analysis, musical instrument digital interface (MIDI), recording, research project, sound art, sound design, sound recording, spatial recording, studio recording, TV, radio and film audio.

**Additional selection criteria:** Interview.

## Creative Arts (Acting)

**Areas of study:** Acting, acting career, acting techniques, acting for film, acting for new media, acting for stage, acting for television, devised theatre, drama, entrepreneurship, filmmaking, heightened language, heightened voice, improvisation, internship, musical theatre, performance, performing arts, professional practice, theatre, voice and movement.

**Additional selection criteria:** Audition and interview.

## Creative Arts (Acting) with major in Music Theatre

**Areas of study:** Acting for screen and new media, acting for stage, ballet, Broadway jazz, career sustainability, commercial dance, ensemble voice, entrepreneurship, musicianship, private vocal lessons, tap.

**Additional selection criteria:** Audition and interview.

## Creative Arts (Animation)

**Areas of study:** 3D animation, 3D modelling, character design, compositing, concept art, concept development, creative process, digital art, digital sculpture, motion capture, motion design, production art, professional and industry development, rendering, screen literacy, studio skills, traditional animation (2D), visual narrative, visual storytelling.

**Additional selection criteria:** Interview and folio presentation.

## Creative Arts (Film and Television)

**Areas of study:** Broadcasting, camera operation, camera and lighting, cinematography, directing (film), directing (television), documentary production, film audio, film composition, film editing, filmmaking, industry and professional development, international cinema, lighting design, mise en scene, motion graphics, multi-cam broadcasting, music videos, popular culture, postproduction, producing (film), producing (television), screen history, screen and genre studies, screenwriting, short films, sound design, sound recording and design, television broadcasting, television studio production.

**Additional selection criteria:** Interview.

## Creative Arts (Game Design)

**Areas of study:** Art history, art and animation history, character modelling, character design (2D), clay sculpture, colour and design, concept art, concept development, digital sculpture, digital concept art, drawing, environment design (2D), figure modelling, game design, game studies, game asset creation (3D), game engine scripting (programming), game production, game-play mechanics, interactive multimedia, level design (games), motion capture, motion graphics, pixel art, production (games), prototyping, rendering, scriptwriting, sprite animation (2D), studio skills, user interface design (games).

**Additional selection criteria:** Interview and folio presentation.

## Design (Visual Communication)

**Areas of study:** 3D design, communication, creative arts, design, design photography, design theory, digital design, digital imaging, graphic design, information design, information technology, interactive design, storytelling, typography, user experience design, visual communication.

**Additional selection criteria:** Interview and folio presentation.

## Entertainment Business Management

**Areas of study:** Accounting, branding, business, copyright and publishing, deal making, digital content creation, entertainment history, entertainment management, entertainment marketing, entrepreneurialism, event management, events, festival management, film and television production management, finance, funding, international licensing and branding, licensing, management theory, marketing, online management systems, production management, professional communication, professional practice, professional projects, promotions, publicity, stage management, talent development (A+R), tour management.

**Additional selection criteria:** Interview.

## Music with major in Contemporary Performance

**Areas of study:** Arranging for band and orchestra, bass guitar, drums, ear training, ensemble studies, guitar, history of western music, improvisation and rhythm, instrument studies, lyric and songwriting, music business, music cultures, music history, music performance, music technology, music theory, piano/keyboard, saxophone, screen music, song writing, special projects, strings, trombone, trumpet, tutoring techniques, voice, woodwind.

**Additional selection criteria:** Audition and interview.

## Music with major in Music Production

**Areas of study:** Arranging and orchestration, collaborative recording, composition techniques, ear training, ensemble, history of popular music, history of western music, lyrical influences, lyrics and songwriting, music business, music cultures, music production studies, music technology, music theory, music and media, performing and creating with Ableton Live, production, screen sound and music, songwriting and arranging, tutoring techniques.

**Additional selection criteria:** Audition and interview.

## Music with major in Songwriting

**Areas of study:** Arranging, arranging for band and orchestra, bass guitar, contemporary music performance, directed studies, directed studies in songwriting, drums, ear training, electronic music, ensemble studies, guitar, instrument studies, lyric writing, lyric writing and songwriting, lyrics and literature, music business, music cultures, music history, music production, music technology, music theory, piano/keyboards, screen music, songwriting, songwriting and composition, special projects, tutoring techniques, voice.

**Additional selection criteria:** Audition, portfolio and interview.

## Combined degrees

If you intend to undertake combined degrees, check the requirements for both degrees. Contact JMC for further details.

- Creative Technology (Audio Engineering and Sound Production and Entertainment Business Management)
- Music and Entertainment Business Management.

## Diplomas

JMC also offers a range of diploma courses. Contact JMC for full details and requirements for the following courses:

- Diploma of Audio Engineering & Sound Production
- Diploma of Creative Arts (Acting)
- Diploma of Creative Arts (Animation)
- Diploma of Creative Arts (Film and Television)
- Diploma of Creative Arts (Game Design)
- Diploma of Design (Visual Communication)
- Diploma of Entertainment Business Management
- Diploma of Music with major in Contemporary Performance
- Diploma of Music with major in Music Production
- Diploma of Music with major in Songwriting
- Diploma of Stage Management

## Get in touch

La Trobe University



1300 135 045 or  
Sydney campus (+61 2) 9397 7600



[latrobe.custhelp.com/app/home](https://latrobe.custhelp.com/app/home) or  
Sydney campus [latrobe.edu.au/sydney/contact](https://latrobe.edu.au/sydney/contact)



[latrobe.edu.au](https://latrobe.edu.au)

## In person

### Albury-Wodonga campus

133 McKoy St, West Wodonga VIC 3690  
[latrobe.edu.au/albury-wodonga](https://latrobe.edu.au/albury-wodonga)

### Bendigo campus

Edwards Road, Flora Hill VIC 3552  
[latrobe.edu.au/bendigo](https://latrobe.edu.au/bendigo)

### Melbourne campus

Plenty Road, Bundoora VIC 3086  
[latrobe.edu.au/melbourne](https://latrobe.edu.au/melbourne)

### Mildura campus

471 Benetook Ave, Mildura VIC 3500  
[latrobe.edu.au/mildura](https://latrobe.edu.au/mildura)

### Shepparton campus

210 Fryers St, Shepparton VIC 3630  
[latrobe.edu.au/shepparton](https://latrobe.edu.au/shepparton)

### Sydney campus

255 Elizabeth St, Sydney NSW 2000  
[latrobe.edu.au/sydney](https://latrobe.edu.au/sydney)

## 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](https://latrobe.edu.au/schools-departments).



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

## Accounting

**Areas of study:** Agribusiness, business analytics, digital business, economics, enterprise, event management, finance, human resource management, International business, management, marketing, tourism and hospitality.

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

## Agriculture

### Agricultural Science (Dip)

**Area of study: For B Agriculture:** Agribusiness, animal science, plant and soil science. **For Dip Agricultural Science:** Agricultural science, agriculture.

**Course prerequisites:** Any 2 units of English plus one of Mathematics Standard 2, Mathematics Advanced, 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

**Areas of study:** Aboriginal studies, anthropology, archaeological and heritage studies, Asian studies, Chinese 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.

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

## Biological Sciences

### Biological Sciences(Dip)

**Areas of study:** *For B Biological Sciences:* Biochemistry, botany, ecology, genetics, human physiological sciences, microbiology, zoology. *For Dip Biological Sciences:* Biological Sciences

**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).

## Business

### Business (Dip)

**Areas of study:** *For B Business:* Agribusiness, digital business, economics, enterprise, event management, finance, human resource management, International business, management, marketing, tourism and hospitality. *For Dip Business:* Business.

**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 2 (min. standards required).

## Commerce

**Areas of study:** Accounting, business analytics, 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 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 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 2 (min. standards 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.

## Health Sciences

### Health Sciences (Dip)

**Areas of study:** *For B Health Sciences:* Allied health, digital health, environmental health, food and nutrition, health promotion, health wellbeing and performance, psychological science, public health, rehabilitation counselling. *For Dip Health Sciences:* Health Sciences.

**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 (Dip)

**Areas of study:** 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).

## 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

**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).

## Paramedicine

**Area of study:** Paramedicine.

**Course prerequisites:** Any 2 units of English plus two of Biology, Chemistry, Mathematics Standard 2, Mathematics Advanced, Mathematics Extension 2, Community and Family Studies, Health and Movement Science or Physics (min. standards required).

## Pharmacy (Honours)

**Area of study:** Pharmacy.

**Course prerequisites:** Any 2 units of English (min. standard 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 2, Health and Movement Science or Physics (min. standards required).

## Politics, Philosophy and Economics

**Areas of study:** Economics, philosophy, politics.

**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:** Science.

**Course prerequisites:** Any 2 units of English plus one of Mathematics Standard 2, Mathematics Advanced, Mathematics Extension 2 (min. standards 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 2, Community and Family Studies, Health and Movement Science or Physics (min. standards required).

## Sport and Exercise Science

**Area of study:** Allied health, human performance, nutrition science, rural health.

**Course prerequisites:** Any 2 units of English plus one of Biology, Chemistry, Mathematics Standard 2, Mathematics Advanced, Mathematics Extension 2, Community and Family Studies, Health and Movement Science or Physics (min. standards required).

## Teacher Education (Assoc Deg) Teacher Education (Dip)

**Areas of study:** Teacher education.

**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. Visit the La Trobe Double Degree website for further details.




**MACQUARIE**  
University  
SYDNEY · AUSTRALIA

CRICOS provider number: 00002J  
TEQSA provider ID: PRV12032

## Get in touch

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 (+61 2) 9850 6767

 [futurestudents@mq.edu.au](mailto:futurestudents@mq.edu.au) or online through our Live Chat

 [mq.edu.au](http://mq.edu.au)

First Nations students can also call Walanga Muru, Office of Indigenous Strategy: (+61 2) 9850 6023 or via [wmpathways@mq.edu.au](mailto:wmpathways@mq.edu.au)

## Read this first

- Macquarie University recognises performance in relevant subjects. For details, search for 'Entry Pathways Tool' at [mq.edu.au](http://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, Assoc Deg or Undergraduate Cert 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).

### Applied Finance

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

**Assumed knowledge:** Mathematics Advanced.

### Arts

**Areas of study:** Anthropology; Chinese studies; creative writing; critical Indigenous studies; English; French and francophone studies; German studies; Japanese studies; media, culture and communications; philosophy; sociology; Spanish and Latin American studies.



### Biodiversity and Conservation

**Areas of study:** Aquatic ecosystems, biodiversity and monitoring, biological data analysis, conservation in action, ecology, genetics, GIS and remote sensing, terrestrial ecosystems.

**Recommended studies:** Biology or Chemistry plus Mathematics Advanced.

### Business

**Areas of study:** Artificial intelligence in business and innovation, 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, analytics and business intelligence, artificial intelligence, computing and programming, cybersecurity, data management and databases, data science and data mining, forecasting, information systems, professional practice, statistics and quantitative analysis.

**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, Health and Movement Science.

### Clinical Science

**Areas of study:** Anatomy and medical imaging, biochemistry, cell and molecular biology, ethics and professionalism, evidence-based practice, genetics and genomics, human biology, neuroscience, pathology, pharmacology, physiology, professional skills for healthcare and medical research.

**Recommended studies:** Chemistry, Mathematics Advanced.

### Commerce

**Areas of study:** Accounting and auditing, business analytics, business information systems, cybersecurity management, economics, finance, human resource management, international business, marketing, marketing insights and analytics.

**Assumed knowledge:** *For business analytics, economics, finance:* Mathematics Advanced.

**For accounting and auditing, business information systems, cyber security management, human resource management, international business, marketing, Marketing insights and analytics: Mathematics Standard 2.**

**Recommended studies:** *For accounting and auditing, 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:** Behavioural economics, development economics, economic policy, econometrics, environmental economics, financial and international economics, health and labour economics, macroeconomics, microeconomics, quantitative analysis.

**Assumed knowledge:** Mathematics Advanced.

## Education

### Early Childhood

**Areas of study:** Arts in children's lives, child development: infants and young children, cultural and linguistic diversity, developing creativity through an individual arts project, developing expertise through a special interest project, embracing educational leadership: relationships with children, families, colleagues and communities, engaging with the outdoors as a learning environment, foundations of reading and writing instruction, inclusion in a diverse world, learners and learning environments, leading and management in early childhood settings, pedagogical leadership in settings for children aged three to five, play based approaches for learning, development and wellbeing, reimagining indigenous education, science and technology in early childhood, teaching language, literacies and literature in early childhood, teaching maths, teaching pracs, understanding the brain, development and learning.

### Primary

**Areas of study:** Arts in children's lives, creating and managing learning environments, cultural and linguistic diversity, development and learning, development and wellbeing, inclusion in a diverse world, play based approaches for learning, reimagining indigenous education, special educational needs and inclusive pedagogies, sustainability, teaching creative arts, teaching English, teaching health and physical education, teaching history and geography, teaching maths, teaching pracs, teaching science and technology, technology enhanced learning in primary education, understanding the brain.

**Course prerequisites:** Mathematics Standard 2 (Band 4). If you haven't met the required minimum achievement, you can undertake an alternative introductory unit of study in that area.

### Secondary

**Areas of study:** Ancient history, biology, business studies, chemistry, Chinese studies, earth and environmental sciences, economics, English, enterprise computing, French studies, geography, Japanese studies, mathematics, modern history, physics, society and culture, software engineering, Spanish studies.

**Assumed knowledge:** *For mathematics as a first or second teaching area:* Mathematics Advanced (Band 4) or Mathematics Extension 1 (Band E2) or Mathematics Extension 2 (Band E2).

## Engineering (Honours)

**Areas of study:** Civil engineering, electrical and electronic engineering, mechanical engineering, mechatronics 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:** Health and Movement Science, 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 Advanced (Band 4), Mathematics Extension 1 or Mathematics Extension 2 (Band E2 and above), plus Enterprise Computing and/or Software Engineering.

## History

**Areas of study:** Ancient history, archaeology, modern history, public history and heritage.

## Information Technology

**Areas of study:** Artificial intelligence, cyber security, data science, game design and development, information systems and business analysis, 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:** Global leadership and communication, humans and emerging technologies.

## Law

**Areas of study:** In addition to the Priestley 11 subjects – administrative law, civil procedure, company law, contracts, criminal law and procedure, equity (including trusts), ethics and professional responsibility, evidence, federal and state constitutional law, property, torts – that are required for admission as a legal practitioner, you can also study a range of electives, climate change law, environmental law, family law, health law and ethics human rights, Indigenous peoples and the law, law and technology, law moots and competitions, taxation.

## Marketing and Media

**Areas of study:** Brand management, digital marketing, integrated marketing communications, marketing fundamentals, marketing research, media cultures, professional writing, public relations, 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, public relations and social media, screen practice and production.

## Medical Sciences

**Areas of study:** Anatomy and physiology, genomics and precision medicine, infectious disease and diagnostics, medicinal chemistry, neuroscience.

**Recommended studies:** Mathematics Advanced, Chemistry.

## Planning

**Areas of study:** Cities and climate change, disasters and resilient communities, environment and society, environmental planning laws, geography and planning field school, introduction to GIS and remote sensing, planning and development, planning systems, urban economies, urban strategic planning.

## 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.

**Recommended studies:** Mathematics Advanced.

## Psychology

**Areas of study:** Biopsychology and learning, cognition and perception, counselling and psychological wellbeing, 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:** Applied physics, astronomy and astrophysics, biology, biotechnology, chemistry, earth and environmental sciences, human biology, marine science, mathematics, statistical data science.

**Assumed knowledge:** *For applied physics, astronomy and astrophysics, mathematics, statistical data science:* Mathematics Advanced (Band 4).

**Recommended studies:** Mathematics Advanced, at least 2 units of science. *For astronomy and astrophysics, applied physics:* Physics. *For mathematics:* 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 Sciences

**Areas of study:** Health, wellbeing and society.

## Speech and Hearing Sciences

**Areas of study:** Auditory science, communication disorders, evidence-based practice, linguistics, language development and cognition, language and society, phonetics and phonology, speech perception and production, syntax and meaning, and the biology of speech and hearing.

## Double degrees

Double bachelor degrees involve studying two complementary or entirely different fields, usually with only one additional year of study. They enable you to pursue diverse interests and gain a competitive edge with expertise in two areas.

For more information, search for 'double degrees' at [mq.edu.au](http://mq.edu.au).







CRICOS provider numbers: 01545C, 03245K (NSW)  
TEQSA provider ID: PRV12138

### Get in touch

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Sydney NSW 2000

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 [info.sydney@mit.edu.au](mailto:info.sydney@mit.edu.au),  
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 [mit.edu.au](http://mit.edu.au)



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

### Business

**Areas of study:** Accounting, business analytics, contemporary management, management, marketing and digital communications, professional accounting.

### Data Analytics

**Areas of study:** Data analytics, data science.

### Information Technology

#### Networking

**Areas of study:** Cloud networking, computer networking, cybersecurity, database technology, information and network security, operating systems, software engineering, system architecture, system management, web and multimedia systems.



### Get in touch

National Art School  
Forbes Street  
Darlinghurst NSW 2010



(+61 2) 9339 8741



[admissions@nas.edu.au](mailto:admissions@nas.edu.au)



[nas.edu.au](http://nas.edu.au)



### 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](http://nas.edu.au).
- The National Art School supports portfolio development through programs such as the Art Club Workshops for High School students, which provide practical studio-based learning with experienced artists, as well as the NESA-endorsed HSC Intensive Studio Practice course for Year 11 Visual Arts students across NSW.

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

## Fine Arts

**Areas of study:** Art history and theory, ceramics, drawing, painting, photomedia, printmaking, sculpture.

**Assumed knowledge:** Visual Arts.


**Additional selection criteria:** Portfolio, interview.

## Get in touch

### Sydney campus

SAE University College  
39 Regent Street  
Chippendale NSW 2008

 1800 723 338

 [enrolments@sae.edu.au](mailto:enrolments@sae.edu.au)

 [sae.edu.au](http://sae.edu.au)



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

## Animation

### Animation (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 (Assoc Deg)

**Areas of study:** Advanced live sound and system design, advanced recording mixing and mastering, audio for media, audio industry and workplace practices, Digital Audio Workstation (DAW) production techniques, client management, electronic music production, foundations of audio recording, immersive audio, location recording, live Sound and PA systems, microphones and studio recording, music principles and arrangement, post production for film/games/interactive media, professional practice and industry workflows, sound design.

**Additional selection criteria:** Interview.

### Audio Production (Dip)

**Areas of study:** Acoustic principles, audio for media, audio industry and workplace practices, Digital Audio Workstation (DAW) production techniques, electronic music production, foundations of audio recording, live Sound and PA systems, microphones and studio recording, music principles and arrangement.

**Additional selection criteria:** Interview.

## Computer Science

### Computer Science (Assoc Deg)

**Areas of study:** Artificial intelligence (AI) and machine learning, cloud computing principles and architectures, data structures and algorithms for efficient problem-solving, Human-computer interaction (HCI) and user experience (UX) design, IT and cybersecurity fundamentals, programming fundamentals using Python, software development methodologies including agile and project management principles, full-stack web development with databases, data analysis and visualisation, scripting and automation for IT tasks, programming Internet of Things (IoT) devices.

**Additional selection criteria:** Interview.

### Computer Science (Dip)

**Areas of study:** Foundational programming concepts using Python, human-computer interaction (HCI) and user experience (UX) design, IT and cybersecurity fundamentals, software development methodologies including agile and project management principles, full-stack web development with databases, data analysis and visualisation, scripting and automation for IT tasks, and programming Internet of Things (IoT) devices.

**Additional selection criteria:** Interview.

## Creative Industries

### Creative Industries (Assoc Deg)

### Creative Industries (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.

### Cyber Security (Dip)

**Areas of study:** Analytics, Big data, computer networking, cyber security, data, data analysis and visualisation, database management, Internet of Things (IoT), object oriented programming, programming, web application development.

**Additional selection criteria:** Interview.

## Film

### Film ( Assoc Deg)

**Areas of study:** Colour grading, compositing, directing, editing, film fundamentals, operation of film equipment, storytelling, producing, understanding the roles and responsibilities of film production crews.

**Additional selection criteria:** Interview.

## Film (Dip)

**Areas of study:** Film fundamentals, operation of film equipment, storytelling, understanding the roles and responsibilities of film production crews.

**Additional selection criteria:** Interview.

## Games Development (Games Design)

**Areas of study:** Advanced game design, applied mathematics, foundations of 3D graphics, game audio, game engine architecture, games as media, games technology, level development, psychology of play.

**Additional selection criteria:** Interview.

## Games Development (Games Programming)

**Areas of study:** Advanced game design, applied mathematics, foundations of 3D graphics, game engine architecture, games as media, games technology, programming, psychology of play, tools development.

**Additional selection criteria:** Interview.

## Games Development (Assoc Deg)

**Areas of study:** Advanced game design, applied mathematics, foundations of 3D graphics, game audio, game engine architecture, games as media, games technology, level development, programming, psychology of play, tools development.

**Additional selection criteria:** Interview.

## Game Development (Dip)

**Areas of study:** Differences between digital and analogue games, game construction, game functionality, instructional design, methods for construction of functional games, principles of spatial layout, programmatic solutions, visual communication techniques, writing technical design documents (TDD).

**Additional selection criteria:** Interview.

## Graphic Design and Visual Communication

### Graphic Design and Visual Communication (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.

## Music

### Music (Assoc Deg)

### Music (Dip)

**Areas of study:** Artist and portfolio development, composition for film/TV/games/interactive media, electronic music production, ensemble collaboration, entrepreneurship and career planning, lyric writing, music industry and professional practice, music production and arranging, music theory, performance skills and musicianship, social media and marketing strategy, songwriting and composition, studio recording.

**Additional selection criteria:** Interview.

## VFX and Virtual Production

### VFX and Virtual Production (Assoc Deg)

**Areas of study:** Advanced compositing and visual effects, high-definition digital sculpting, motion matching and tracking, motion matching and tracking, physics-based simulations, previsualisation and animatics, procedural content generation, setup and capture using LED Volumes, texture and shader development (HLSL), virtual production pipelines, xprocedural rigging and animation.

**Additional selection criteria:** Interview.

## VFX (Dip)

**Areas of study:** 3D asset creation and production pipelines, basic composition for static, basic programming, colour matching and grading, digital matte painting, digital media production and management, keying and rotoscoping, light and composition, linear, and non-linear media, real-time engine architecture, theories of colour, USD asset pipelines, virtual camera and lighting setup, world building in virtual environments.


**Additional selection criteria:** Interview.



CRICOS provider number: 01241G  
TEQSA provider ID: PRV12043

## Get in touch

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 [scu.edu.au](http://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

### Metro campuses

Sydney, Melbourne, Brisbane, Perth

*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

**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.

## 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

**Areas of study:** Accounting, artificial intelligence, business analytics, entrepreneurship, finance, marketing, professional development, sustainability.

**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 and Allied Health (Dip)

**Areas of study:** Biomedical science, clinical exercise physiology, clinical sciences (osteopathic studies), exercise science and psychological science, medical laboratory science, nursing, occupational therapy, psychological science, sport and exercise science.

**Recommended studies:** Biology plus Chemistry or Mathematics Advanced.

## Clinical Exercise Physiology

**Areas of study:** Human anatomy and physiology, nutrition, biomechanics, exercise physiology.

**Recommended studies:** Biology plus Chemistry or Mathematics Advanced.

## 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.

## Conveyancing (Dip)

**Areas of study:** Conveyancing, legal principles, legal research and writing.

**Assumed knowledge:** Any 2 units of English.

## Counselling

**Areas of study:** Counselling, behaviour, assessment and intervention.

**Assumed knowledge:** Any 2 units of English.

## Education/Teaching

**Areas of study:** Early childhood, primary (K–6), secondary, technology education.

There are no prerequisites or assumed knowledge. Check NESA requirements.

## Education (Dip)

**Areas of study:** Primary, secondary, creative writing, humanities, social sciences, technology secondary

## Engineering

**Areas of study:** Civil engineering, mechanical engineering.

**Recommended studies:** Mathematics Advanced plus Chemistry and/or Physics.

## Engineering (Assoc Deg) Engineering (Dip)

**Areas of study:** Civil construction, intelligent machines.

## Environment

**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.

## Health and Human Sciences (Dip)

**Areas of study:** Community welfare, counselling, health science (health and lifestyle), social work.

**Recommended studies:** Any 2 units of English.

## 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.

## Indigenous Knowledge (Land and Sea Management) (Dip)

**Areas of study:** Aboriginal cultural strengths, country, culture and heritage, Indigenous scholarship and knowledge, marine science and management, science.

**Recommended studies:** Any 2 units of English, Biology and/or Chemistry.

## Information Technology

**Areas of study:** Artificial intelligence, cybersecurity.

**Assumed knowledge:** Mathematics Advanced.

**Recommended studies:** Enterprise Computing, any 2 units of English.

## Law (Assoc Deg)

**Areas of study:** Conveyancing, paralegal studies.

## Laws

**Areas of study:** Administrative law, constitutional law, contract law, corporations law, criminal law, environmental law, torts.

**Recommended studies:** English Advanced, Legal Studies

## Laws (Double Degrees)

- Arts/Laws
- Business/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.

## Legal Studies (Dip)

**Areas of study:** Australian politics, conveyancing, legal systems and processes.

## Marine

**Areas of study:** Biology, chemistry, coastal marine ecosystems, ecology, environmental issues.

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

## Medical Laboratory Science

**Areas of study:** Anatomy, biogeochemistry, genetics, pathophysiology, physiology.

**Assumed knowledge:** Any 2 units of English, Mathematics Advanced plus Chemistry or Biology.

## 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.

## Physiotherapy

**Areas of study:** Anatomy, biological sciences, professional areas.

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

**Recommended studies:** One or more of Chemistry, Biology or Physics.

## 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.

## Science

**Areas of study:** Applied chemistry, applied mathematics and physics, biology, earth and environmental systems, marine systems, regenerative agriculture.

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

## Science (Dip)

**Areas of study:** Cells and molecules, chemistry, organisms and environments, science, scientific data management and analysis.

**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, Health and Movement Science.

## Veterinary Medicine

**Areas of study:** Anatomy and physiology, animal husbandry, animal nutrition, food safety, genetics and breeding, microbiology, population health, pharmacology and pathology.

**Assumed knowledge:** Mathematics Advanced, Chemistry.

**Recommended studies:** Biology.

**Additional selection criteria:** Personal statement and interview.

## Veterinary Technology

**Areas of study:** Anatomy, clinical pathology, microbiology, nutrition, radiography.

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

## Double degrees

Refer to the assumed knowledge and recommended studies for both components of the double degrees.

- Arts/Laws
- Business/Laws
- Education/Arts
- Engineering (Honours)/Business
- Exercise Science and Psychological Science
- Information Technology/Business
- Psychological Science/Laws
- Psychological Science/Business



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## Get in touch

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[spjain.edu.au](http://spjain.edu.au)

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

## Business Administration

**Areas of study: For Finance major:** Advanced quantitative methods and modelling, Australian business environment, business communication, business disruptive technology, business law, corporate finance, creativity and agility, data science for business, decision science and analytics, digital readiness in business, entrepreneurship, financial accounting, financial and risk modelling, financial markets and institutions, financial statement analysis, innovation, international finance, investment analysis, leadership, macroeconomics, marketing, microeconomics, operations management, organisational behaviour, project management, research methodology, statistics, strategic cost accounting, strategic human resources management, strategic management, supply chain and logistics, sustainability and corporate social responsibility, trading and portfolio management, teamwork and global dexterity, world cultures.

**For Marketing major:** AI-driven digital marketing, Australian business environment, branding and communications, business communication, business disruptive technology, business law, client relationship management, corporate finance, creativity and agility, cross-cultural marketing, data science for business, decision science and analytics, digital readiness in business, entrepreneurship, financial accounting, innovation, leadership, macroeconomics, marketing, microeconomics, operations management, organisational behaviour, project management, research methodology, retail management, sales and channel management, statistics, strategic cost accounting, strategic human resources management, strategic management, supply chain and logistics, sustainability and corporate social responsibility, teamwork and global dexterity, world cultures.

**For AI for Business major:** Advanced AI in business, advanced quantitative methods and modelling, AI applications in business, AI product exploration and planning, strategic AI implementation in business, ethics and law of AI, Australian business environment, business communication, business disruptive technology, business law, corporate finance, creativity and agility, data science for business, decision science and analytics, digital readiness in business, entrepreneurship, financial accounting, innovation, introduction to AI in business, leadership, macroeconomics, marketing, microeconomics, no-code programming, operations management, organisational behaviour, project management, research methodology, statistics, strategic cost accounting, strategic human resources management, strategic management, supply chain and logistics, sustainability and corporate social responsibility, teamwork and global dexterity, world cultures.

**Additional selection criteria:** Aptitude/entrance test and interview.



## Data Science

**Areas of study:** advanced calculus, advanced linear algebra and applications, algorithms and data structures, Big Data processing techniques and platforms, calculus, cloud computing, computer vision with multi-modal models and analytics, data integration and warehousing, deep learning, discrete mathematics, generative AI and applications in data science, introduction to computer programming, introduction to database, introduction to data science, introduction to statistics and probability, language models and analytics, linear algebra, machine learning, NLP, simulation modelling with Python, statistical data analysis, web applications development and analysis.

**Assumed knowledge:** Mathematics Advanced.

**Additional selection criteria:** Aptitude/entrance test and interview.

## Data Science (Undergraduate Cert)

**Areas of study:** Introduction to computer programming, introduction to databases, introduction to data science, mathematics for data scientists.

**Assumed knowledge:** Mathematics Advanced.

**Additional selection criteria:** Aptitude/entrance test and interview.

## Economics

**Areas of study:** behavioural and experimental economics and finance, business communication, data analytics and decision-making, economic policy in the digital era, developing economies and global trade, digital readiness in business, econometrics and big data, economics of climate change and global warming, empirical research, financial accounting, financial markets and sustainable finance, FinTech and financial shocks, game theory and strategic decision-making, industrial innovation and disruptive technology, industrial organisation, inequality and welfare, innovation in economic models, introduction to AI in business, human capital, macroeconomics, marketing, microeconomics, monetary economics, principles of management, randomised trials and panel data, statistics, sustainability and corporate social responsibility, world cultures.


**Additional selection criteria:** Aptitude/entrance test and interview.

## Get in touch

Torrens University Australia

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*Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip, Assoc Deg or Undergraduate Cert 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.

## Architectural Technology

**Areas of study:** Design context, design drawing, digital environments and human scale, history of architecture, Interior design and decoration, principles of structure, architectural studio, immersive digital experience.

## 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 Accounting 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

### Marketing Event Management

**Areas of study:** Business fundamentals, customer experience management, event concepts and design, event planning and management, events policy and strategy, integrated marketing communications, marketing and audience research, organisational creativity and innovation, organisational creativity and innovation, understanding people and organisations.

## Business Business (Dip)

### Hospitality and 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 (International Hotel Management)

**Areas of study:** Business law and risk management, financial operations, food and beverage and front office operations management, guest experience and service management, hospitable skills for hotel professionals, introduction to the accommodation sector, kitchen and housekeeping operations management, sales and marketing, talent management, understanding people and organisations.

## 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.

## 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.

## 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) Advanced Diploma of Interior Design and Decoration

**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.

## Media Production and Communication Media Production (Dip)

**Areas of study:** Video production and editing, sound production, social and interactive media, content creation, editorial and documentary, professional practice, narrative production, media, culture and society.

## 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.

## Psychological Science

**Areas of study:** brain and development, mental health, lifespan development, the evolution of psychology, social and emotional wellbeing, social justice, diversity and inclusion, abnormal psychology, critical literature review.

## 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.

## UX and Web Design UX and Web Design (Dip)

**Areas of study:** Design context, design studio, interaction design, Javascript fundamentals, typography.

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### Get in touch

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 1800 UNI CAN (1800 864 226)

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### In person

Student Central  
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University of Canberra  
Bruce ACT 2617

### 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, Assoc Deg or Undergraduate Cert is shown in brackets. Subheadings are specialisations within the course.*

### 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.

#### Global Studies

**Areas of study:** Activism, environmental policy, global ethics, international development, international studies, philosophy, world culture.

#### Indigenous Studies

**Areas of study:** Critical indigenous studies, decolonisation, ethics, global indigenous perspectives, holistic wellbeing, indigenous cultural and intellectual property, reconciliation, storytelling, truth-telling.



### Literary Studies

**Areas of study:** Child and young adult fiction, literary history, literary theory, poetry, the novel.

### 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.

### Business

#### 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.

#### Government

**Areas of study:** Democracy, economics, government, international relations, politics, society.

#### 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.

## 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, cybersecurity, 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.

## 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.

## 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.

## Media Production

**Areas of study:** Podcasting and live streaming across the media landscape, sound design, videography.

## Public Relations and Strategic 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.

## 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.

## Social Media and Content Creation

**Areas of study:** Podcasting, streaming and social platforms while developing skills in video, visual design and content strategy.

## Communication (Dip)

**Areas of study:** Communication studies, journalism, marketing communication, media production, public relations and strategic communication, social media and content creation, sports media.

## Creative Industries – TAFE Queensland

### Acting and Performance

**Areas of study:** Acting, voice and body techniques, animating, 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 audition.

### 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.

### 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 – Bruce and TAFE Queensland

**Additional selection criteria:** Students may be considered for entry based on portfolio submission and/or interview via UC's portfolio admissions pathway.

### Digital Media

**Areas of study:** 3D modelling, animation and motion capture, augmented reality, digital photography, sound design, visual effects.

### Game Design

**Areas of study:** Characters, create game environments, graphic design, interactions, player psychology, sound design, stories, worlds.

### 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.

## Education

### Early Childhood Education (Birth to Five)

**Areas of study:** Early childhood development, educational studies, pedagogical studies, playful learning.

**Recommended studies: ACT:** English T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major).  
**NSW:** English Advanced, Mathematics Advanced.

### 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.

**Course prerequisite: ACT:** Mathematical Methods T (Major)/Specialist Mathematics T (Major). **NSW:** Mathematics Advanced, Mathematics Extension 1 or Mathematics Extension 2.

**Recommended studies: NSW:** 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.

## Exercise Physiology and Rehabilitation\*

**Areas of study:** Exercise physiology, exercise prescription, exercise science.

**Recommended studies: ACT:** Biology T (Major), or Biology T (Major) or Exercise Science T (Major), Mathematical Methods T (Major). **NSW:** Biology, Mathematics Advanced.

## Film Production

**Areas of study:** Cinematography, directing, documentary, editing, film making, lighting, videography.

**Additional selection criteria:** Students may be considered for entry based on portfolio submission and/or interview via UC's portfolio admissions pathway.

## Government

### Economic Policy

**Areas of study:** Behavioural science, applied economics.

### Politics and International Relations

**Areas of study:** Asia-pacific, foreign policy, geopolitics, international economics, international relations, national security, parliament, political parties, terrorism.

## Public Policy and Administration

**Areas of study:** Climate change and sustainability, how government works, performance management, public policy, public sector economics, sociology.

## 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.

**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, 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

**Areas of study:** Cloud computing and Internet of Things, cybersecurity, 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 Business, Commerce, Politics and International Relations and Psychology. For more information, visit [canberra.edu.au/future-students/study-at-uc/study-areas/law](http://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 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.

## 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 Health and Movement Science.

## Optometry and Vision Science\*

**Areas of study:** Optical and vision sciences.

**Recommended studies:** **ACT:** Mathematical Methods (Major), Chemistry (Major), Physics (Major). **NSW:** Mathematics Advanced, Physics, Chemistry.

## 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 Health and Movement Science 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 Health and Movement Science, 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.

## Medical Science

**Areas of study:** Advanced physiology, analytical chemistry, anatomy and physiology, biological chemistry, genetics and genomics, biology, immunology, integrated studies of disease, microbiology, pathobiology.

**Recommended studies: ACT:** Chemistry T (Major) and Mathematical Methods T (Major).

**NSW:** Chemistry, Mathematics Advanced.

## Science (Biomedical Science)

**Areas of study:** Genetics and genomics, 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.

## Science (Dip)

**Areas of study:** Biology, chemistry, physical science, science.

## Sport and Exercise Science\*

**Areas of study:** Exercise science, sports science.

**Recommended studies: ACT:** Biology T (Major) or Biology T (Major), or Exercise Science T (Major), Mathematical Methods T (Major). **NSW:** Biology, Mathematics Advanced.

## 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](http://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.

**UAC**

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- Fields of study +
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- Course start month: All months
- Attendance mode: All modes
- Show only open courses


Courses are added and cancelled throughout the admissions year and course details are subject to change.



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## Get in touch

Future Students Team  
University of New England  
Armidale NSW 2351

 1800 818 865

 via [une.edu.au/askune](mailto:une.edu.au/askune)

 [une.edu.au](http://une.edu.au)

## In person

Student Connect  
Dixon Library Learning Commons  
University of New England  
Armidale NSW 2351

## Read this first

- Competence in the English language is a requirement for all University of New England courses.
- 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, Assoc Deg or Undergraduate Cert is shown in brackets. Subheadings are specialisations within the course.*

## Accounting

**Areas of study:** Accounting, advanced accounting, agribusiness, auditing, business analysis and transformation, business law, business transformation, certified tax practitioner, criminology and information management, economics, finance, forensic accounting, information systems, managing organisations and people, tax law.

**Assumed knowledge:** Any 2 units of English.

**Recommended studies:** Any 2 units of mathematics plus Economics or Business Studies.

## Agribusiness

**Areas of study:** Agricultural and natural resource economics, agricultural production, business, finance, marketing and management.

**Assumed knowledge:** Any 2 units of English.

**Recommended studies:** Any 2 units of mathematics.



## Agriculture

**Areas of study:** Agricultural sustainability, 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, chemistry, Mathematics Standard 2.

**Recommended studies:** Agriculture, Biology and/or Chemistry.  
**For Agricultural Technology:** Mathematics Advanced.

## Animal Science

**Areas of study:** Livestock science and animal bioscience. Minors in: Business, genetics, livestock production, nutrition and physiology, research methods, sustainable animal management, wildlife ecology and management, wool.

**Assumed knowledge:** Any 2 units of English, Chemistry or Physics, Mathematics Advanced.

**Recommended studies:** Biology.

## Arts

**Areas of study:** Ancient history, archaeological studies, Chinese (Mandarin), classical languages (Greek/Latin), community development, community planning, community services, counselling, criminology, English, French, geography, German, history and heritage, Indonesian, international law, Italian, Japanese, linguistics, medieval and modern Europe, music, peace studies, philosophy, politics and international relations, psychology, screen and media studies, sociology, Spanish, studies in religion, theatre and digital performance, writing.

Minors in: Ancient ethics and beliefs, ancient near east, ancient world,, applied linguistics, archaeological practice, Australian history, communications and entrepreneurship, digital humanities, environmental arts: One Health, environmental studies, gender studies, Greek history, historical literature, human geography, international relations, performance and presentation, physical geography, politics, psychology, researching history, Roman history, working in history, youth and popular culture.

**Assumed knowledge:** Any 2 units of English.

## Biomedical Science

**Areas of study:** Anatomy and physiology, biochemistry, molecular and cellular biology, genetics, microbiology, immunology, neuroscience, medicinal chemistry, medical pathology, statistics and experimental design.

**Assumed knowledge:** Any 2 units of mathematics.

**Recommended studies:** Biology and either Chemistry or Physics.

## Business

**Areas of study:** Accounting, agribusiness, business analytics, digital marketing, economics, entrepreneurship, finance, human resource management, informatics and digital literacy, international business, management, marketing. Minors in: Business analytics.

**Assumed knowledge:** Any 2 units of English.

**Recommended studies:** Any 2 units of mathematics.

## Community Services (Distance Only)

**Areas of study:** Aged care, children and young people, community disaster resilience, criminal corrections, disability, mental health, psychological science.

**Assumed knowledge:** Any 2 units of English.

## Computer Science

**Areas of study:** Artificial intelligence, cybersecurity, data science, software development. Minors in: Preparatory mathematics and computing, theoretical data science.

**Assumed knowledge:** Any 2 units of mathematics.

**Recommended knowledge:** Mathematics Extension 1.

## Criminology

**Areas of study:** Crime, justice and society, crime science, criminal justice processes and forensics, historical crime, justice and Indigenous peoples, psychology, rural crime.

**Assumed knowledge:** Any 2 units of English.

## Digital Marketing

**Areas of study:** Artificial intelligence in marketing, business communication, business ethics, consumer behaviour, content strategy, data analytics, digital marketing, digital retailing, global marketing, search engine optimisation (SEO), social media marketing.

**Assumed knowledge:** Any 2 units of English.

**Recommended studies:** Any 2 units of mathematics

## Economics

**Areas of study:** Agribusiness, agricultural and resource economics, economic development, economic evaluation, 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.

See course entry requirements at [une.edu.au/study/courses](http://une.edu.au/study/courses) for full details.

### K-12 Teaching

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

**Recommended studies:** Depending on intended teaching area – agriculture, ancient history, biology, business studies, chemistry, Chinese, classical languages (Greek or Latin), drama, economics, earth and environmental science, French, geography, German, Indonesian, Japanese, legal studies, modern history, physics, enterprise computing, software engineering, Spanish.

See course entry requirements at [une.edu.au/study/courses](http://une.edu.au/study/courses) for full details.

## K-6 Teaching

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

**Recommended studies:** *For language teaching areas:* Any 2 units of your chosen language.

## Secondary Arts

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

**Recommended studies:** Depending on intended teaching area – ancient history, business studies, Chinese, classical languages (Greek or Latin), drama, economics, French, geography, German, Indonesian, Italian, Japanese, legal studies, modern history, music, enterprise computing, software engineering, Spanish.

See course entry requirements at [une.edu.au/study/courses](http://une.edu.au/study/courses) for full details.

## Secondary STEM

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

**Recommended studies:** Depending on intended teaching area – Agriculture, biology, chemistry, earth and environmental science, physics, enterprise computing, or software engineering.

See course entry requirements at [my.une.edu.au/study/courses](http://my.une.edu.au/study/courses) for full details.

## Environmental Science

**Areas of study:** Applied management, conservation and ecology, natural resources, people and environment, vegetation and landscapes. Minors: Botany, data science and modelling, geoscience, global environment, Indigenous knowledge systems, science communication, soils, spatial science, water science, zoology.

**Assumed knowledge:** Any 2 units of English, Chemistry or Physics, Mathematics Standard.

**Recommended Studies:** Biology.

## Environmental Science and Natural Resource Management

**Areas of study:** Natural resource management. Minors: Carbon accounting and reporting, consultancy and business, environmental monitoring technologies, environmental stewardship markets, geology, people and policy, project management, water management, wildlife management, vegetation management.

**Assumed knowledge:** Any 2 units of English, Chemistry or Physics, Mathematics Standard.

**Recommended Studies:** Biology.

## 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 or Physics, Mathematics Standard 2.

**Recommended studies:** Biology, Mathematics Advanced.

## Historical Inquiry and Practice

**Areas of study:** Ancient history, archaeology, archaeological practice, Australian history, classical languages, economic history, European history, history, history and crime, local, family and applied history, writing history.

**Assumed knowledge:** Any 2 units of English.

**Recommended studies:** Any 2 units of history, 2 units of your chosen language.

## Information Technology

**Areas of study:** Analytics and the Internet of things, data management systems, data processing, information systems and cybersecurity, programming, software development, software project management.

**Assumed knowledge:** Any 2 units of mathematics.

**Recommended studies:** Mathematics Advanced.

## International Studies

**Areas of study:** Global politics and peace, human futures and global challenges, international business, international law, languages and culture.

**Assumed knowledge:** Any 2 units of English.

## Languages

**Areas of study:** Chinese (Mandarin), French, German, Indonesian, Italian, Japanese, linguistics, Spanish.

**Assumed knowledge:** Any 2 units of English.

## Law

### Law (double degrees)

**Areas of study: For Law:** Administrative law, constitutional law, contract law, criminal law, evidence and proof, foundations of law, legal professional skills, property law, technology and the law, torts law.

**For the other area of study:** Refer to the relevant entry.

**Assumed knowledge: For Law:** Any 2 units of English.

**For the other area of study:** Refer to the relevant entry.

- Accounting/Law
- Agriculture/Law
- Arts/Law
- Business/Law
- Computer Science/Law
- Criminology/Law
- Economics/Law
- Environmental Science/Law
- Media and Communications/Law
- Science/Law.

## Media and Communications

**Areas of study:** Media and culture, writing and publishing. Minors: Digital and social media, global screen cultures.

**Assumed knowledge:** Any 2 units of English.

## Medical 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)

**Areas of study:** Instrumental/vocal studies, composition and production, musicology, performance.

**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

- 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
- a personal statement assessed by the discipline.

## Nursing

**Areas of study:** Aged care nursing, chronic care, clinical leadership and governance, complex care, digital health, evidence-based practice, mental health nursing, patient safety and quality, person-centred care, primary and community health care.

**Assumed knowledge:** Any 2 units of English, any 2 units of science.

## Nutrition and Health Science

**Areas of study:** Biochemistry, chemistry, food from field to function, food sustainability, health and disease, health promotion, nutrition and metabolism, physiology.

**Recommended studies:** Biology, Chemistry.

## Psychological Science

**Areas of study:** Cognitive psychology, community services, counselling, criminology, psychological health and wellbeing, psychopathology, research methods and statistics, social psychology.

**Assumed knowledge:** Any 2 units of English.

**Recommended studies:** Any 2 units of mathematics.

## Rural Science

**Areas of study:** Agricultural sustainability, agricultural systems, animal and plant breeding, animal and plant nutrition, animal and plant physiology, biochemistry, business, climate resilience, grain production, farm management, genetics, horticultural science, livestock production, meat science, pasture and crop agronomy, post-harvest technology, precision agriculture, sheep and wool production, sheep and wool science, soil science.

**Assumed knowledge:** Any 2 units of English, Chemistry, Mathematics Advanced.

**Recommended studies:** Biology and/or Physics.

## Science

**Areas of study:** Animal science and veterinary studies, applied physics, archaeology, biodiversity, biological science, botany, chemistry, data science, forensic science, genetics, geography, geoscience, mathematics, medical chemistry, neuroscience, palaeobiology, statistics, zoology.

**Assumed knowledge:** Mathematics Standard 2.

**Recommended studies:** Depending on degree subjects chosen, Chemistry and/or Physics and or any 2 units of mathematics.

## 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:** Community services, counselling, criminology, linguistics, organisational management, politics and peace studies, 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

**Areas of study:** Advocacy and social justice, case management, child protection, counselling skills, disability support, field placement, human rights and law, Indigenous perspectives, mental health, trauma-informed practice

**Recommended studies:** Any 2 units of English.

## Sports and Exercise Science (Distance only)

### Clinical Exercise Physiology Exercise and Sports 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, 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, botany, conservation biology, environmental and comparative physiology, evolution and biogeography, entomology, freshwater ecology, invertebrate and vertebrate zoology, museum studies, natural history, palaeobiology, parasitology, physical anthropology, science communication, spatial science, water science, wildlife ecology, zoological methods.

**Assumed knowledge:** Mathematics Standard 2, any 2 units of English plus Chemistry or Physics.

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

## 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.

# SUBJECT COMPASS

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## Get in touch

Student Central  
The University of Newcastle  
University Drive  
Callaghan NSW 2308

 Callaghan: (+61 2) 4921 5000  
Ourimbah: (+61 2) 4348 4000

 via [AskUON@newcastle.edu.au](mailto:AskUON@newcastle.edu.au)

 [newcastle.edu.au](http://newcastle.edu.au)

## In person

### Newcastle – Callaghan

Level 3, Auchmuty Library  
University of Newcastle  
University Drive, Callaghan NSW 2308

### Newcastle – City

NUspace  
University of Newcastle  
Corner Hunter and Auckland Streets  
Newcastle NSW 2300

### Central Coast – Ourimbah

University of Newcastle  
10 Chittaway Road, Ourimbah NSW 2258

### Central Coast – Gosford Hospital

University of Newcastle  
Level 6, 77a Holden Street  
Gosford NSW 2250

## Read this first

- Not all campuses offer all courses and areas of study. Visit the University website for course locations.
- 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](http://newcastle.edu.au/nuprep).
- All programs are subject to routine review. For latest information, refer to [newcastle.edu.au/study/undergraduate](http://newcastle.edu.au/study/undergraduate).

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

## Arts

**Areas of study:** Ancient history, Chinese; education, English and writing, French studies, gender and sexuality studies, global Indigenous studies, history, human geography and the environment, information technology, Japanese studies linguistics, performing arts, international relations, psychology studies,\* screen and cultural studies, sociology and anthropology, studies of philosophy, religion and ethics, 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 Standard 2 or Mathematics Advanced. *For all other majors and/or minors:* English Advanced.

\*Psychology studies are not accredited by the Australian Psychology Accreditation Council.

## Arts and Social Science (Dip)

**Areas of study:** Arts, English and writing, communication, criminology, development studies, global Indigenous studies, humanities, media, sociology, social sciences, society and culture, screen and cultural studies.

## 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, reproduction.

**Assumed knowledge:** Mathematics Advanced, Chemistry.

**Recommended studies:** Biology, Physics.

## Biotechnology

**Areas of study:** Animal and plant physiology, biochemistry, bioethics, biomolecules, biotechnology and biotechnology cell and molecular biology, DNA and gene technology, finance and commercialisation, IVF and reproductive science, laboratory skills in biological systems, microbiology, molecular genetics, scientific communication and networking, statistics for sciences.

**Assumed knowledge:** Mathematics Advanced, Chemistry.

**Recommended studies:** Biology, Physics.

## Built Environment (Dip)

**Areas of study:** Architecture, built environment, construction management, design.

## Business

**Areas of study:** Entrepreneurship and innovation, human resource management, international business, international relations, leadership and management, marketing, international studies.

**Recommended studies:** Mathematics Standard 2 or Mathematics Advanced.

## Business (Dip)

**Areas of study:** Accounting and finance, business analytics, business, and entrepreneurship, business, commerce, economics, events, human resources management, industrial relations, law, management, marketing, tourism.

## Business Analytics

**Areas of study:** Accounting and finance, business analytics, business and entrepreneurship, business, commerce, economics, events, human resources management, industrial relations, law, management, marketing, tourism.

**Recommended studies:** Mathematics Standard 2 or 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 Standard 2.

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

## Commerce

**Areas of study:** Accounting, economics, finance, human resource management, international business, innovation and entrepreneurship, international relations, leadership and management, marketing.

**Assumed knowledge:** Mathematics Standard 2 or Mathematics Advanced.

## Computer Science

**Areas of study:** Artificial intelligence cybersecurity, software development.

**Recommended studies:** Mathematics Extension 1.

## Construction Management

**Areas of study:** Building fire and safety compliance, building information modelling, building surveying, construction business strategy and finance, construction management, construction services, construction technology, contracts administration, economics, environmentally sustainable development, facilities management, infrastructure development, information and communication technology, health and safety, maintenance services and rehabilitation, project management, procurement and tendering, quantity surveying and estimating, risk management, research.

**Recommended studies:** English Standard or English Advance, Mathematics Standard 2 or Mathematics Advanced.

## Criminology

**Areas of study:** Criminal justice, criminology, criminal psychology, legal studies, psychology, victimology.

**Recommended studies:** English Advanced. **For Psychology studies major:** Mathematics Standard 2 or Mathematics Advanced.

## Design (Architecture)

**Areas of study:** The architectural site as a landscape, communication in the built environment, construction and detailing of buildings, construction and technology and ecology, making conceptual and realistic models in our workshop, sustainable design practices.

**Recommended studies:** English Standard or English Advanced, Ancient History or Modern History, plus at least one of Visual Arts, Design and Technology or Industrial Technology.

## Development Studies

**Areas of study:** Cultures and citizenship, environmental sustainability, geopolitics and economic development, urban and regional development.

## Education

### Early Childhood and Primary

**Areas of study:** Children's learning and growth across the span of birth–12 years, curriculum and pedagogy in K-6, early childhood special education, ethics and professional codes of conduct, families and society, foundation of primary education, Indigenous education, diversity and inclusion, language and mathematical learning, leadership and advocacy, play based learning, policy and issues, primary school teaching, programming and planning for children aged 0–5 years, psychology of learning and teaching.

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

### Primary

**Areas of study:** Primary teaching in all primary subjects (including English, mathematics, science and technology, personal development, health and physical education, creative arts, human society and its environment, special education), behaviour management, foundations of primary education, how to teach K-6 curriculum, language and literacy development, psychology of learning and teaching.

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

### Secondary

**Areas of study:** Aboriginal studies, ancient history, biology, business studies, design and technology, drama, earth and environmental science, English, food technology, geography, health and physical education, industrial technology engineering, industrial technology graphics and multimedia, industrial technology timber and metal, information processes and technology, languages (Chinese, French, Japanese), legal studies, marine studies, mathematics, modern history, physics, society and culture, special education, studies of religion, teaching English as a second language (TESOL).

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

## Education Studies (Dip)

**Areas of study:** Early childhood and primary education, secondary education, English, personal development health and physical education, human society and its environment.

## Engineering

### Aerospace

**Areas of study:** Aerospace design and materials, aerospace system design, aircraft operations and performance, aircraft systems and avionics, automatic flight control systems, embedded systems engineering, principles of flight, propulsion systems.

**Recommended studies:** Mathematics Extension 1, at least 2 units of science (Biology, Physics or Chemistry preferred).

### Chemical

**Areas of study:** Fluid mechanics, green engineering and sustainability processes, heat transfer and design of energy systems, kinetics and reaction engineering, mass transfer and separation processes, thermodynamics.

**Recommended studies:** Mathematics Extension 1, at least 2 units of science (Physics or Chemistry preferred).

### Civil

**Areas of study:** Civil engineering materials, engineering management, fluid dynamics, geomechanics, steel design, structural engineering, transportation engineering, water engineering.

**Recommended studies:** Mathematics Extension 1, at least 2 units of science (Physics or Chemistry preferred).

### Computer Systems

**Areas of study:** Communication networks, computer and electrical engineering, cybersecurity, digital systems design, distributed systems, electronics, embedded systems, engineering management and systems, internet of things, programmable logic design, software engineering, system design and web engineering.

**Recommended studies:** Mathematics Extension 1, at least 2 units of science (Physics or Chemistry preferred).

### Electrical and Electronic

**Areas of study:** Communications systems and internet of things, control systems and signal processing, electrical and electronic engineering design, embedded computing, engineering design, electrical machines, procedural programming, power systems and renewables.

**Recommended studies:** Mathematics Extension 1, at least 2 units of science (Physics or Chemistry preferred).

### Environmental

**Areas of study:** Biology, chemical engineering, chemistry, environmental planning and design, fluid mechanics, geotechnical engineering, hydro biotechnology modelling, land and water management, surface and ground water pollutant transport, waste treatment, water engineering.

**Recommended studies:** Mathematics Extension 1, at least 2 units of science (Physics or Chemistry preferred).

### Mechanical

**Areas of study:** Advanced materials and manufacturing, bulk solids handling, computer-aided engineering, design and mechanics, design of machines and processes, fluid dynamics, mathematics, physics, thermodynamics.

**Recommended studies:** Mathematics Extension 1, at least 2 units of science (Physics or Chemistry preferred).

### Mechatronics

**Areas of study:** Autonomous systems, computer-integrated manufacturing, electronic design, mechatronics design, microprocessor systems, modelling and simulation, sensors and actuators.

**Recommended studies:** Mathematics Extension 1, at least 2 units of science (Physics or Chemistry preferred).

### Medical

**Areas of study:** Analog and digital communications, engineering design, human pathophysiology, medical biomechanics, medical devices, neurobiology, programming and computing, pharmacology.

**Recommended studies:** Mathematics Extension 1.

### Mining transfer program

**Areas of study:** Mining engineering with a focus on computer programming, fluid mechanics, geomechanics, mathematics, physics, structural and environmental mechanics, surveying and technology, sustainable engineering practice.

**Recommended studies:** Mathematics Extension 1, at least 2 units of science (Physics or Chemistry preferred).

### Renewable Energy

**Areas of study:** Bioenergy; climate change policy; geothermal, hydro, ocean and hybrid systems; grid integration; law and economics, power system design; social and environmental sciences.

**Recommended studies:** Mathematics Extension 1, at least 2 units of science (Physics or Chemistry preferred).

### Software

**Areas of study:** Algorithms and data structures, cybersecurity, database management systems, enterprise software, human-computer interaction, project management, software architecture and quality management, software development, software requirements engineering.

**Recommended studies:** Mathematics Extension 1, at least 2 units of science (Physics or Chemistry preferred).

### Engineering (Dip)

**Areas of study:** Civil engineering, computing, electrical engineering, mathematics, mechanical engineering, physics and software engineering.

**Recommended studies:** Mathematics Standard 2.

### Environmental Science and Management

**Areas of study:** Ecosystems and biodiversity, marine science and management, natural resource and hazards, sustainability.

**Assumed knowledge:** Mathematics Standard 2.

**Recommended studies:** Mathematics Standard, Earth and Environmental Science, Chemistry and Biology.

### Environmental Science (Dip)

**Areas of study:** Climate science, coastal and marine science, science and the environment, environmental science.

### Exercise and Sport Science

**Areas of study:** Biomechanics, exercise across the lifespan, exercise physiology, exercise testing and prescription, function anatomy, fitness and sport, motor control and learning, physical activity and health, sport and exercise psychology, sports nutrition.

**Assumed knowledge:** At least two of Biology, Chemistry, Physics, Mathematics Standard 2 or Mathematics Advanced.

**Recommended studies:** Health and Movement Science.

### Exercise and Sport Science (Dip)

**Areas of study:** Biomechanics, exercise across the lifespan, exercise physiology, exercise testing and prescription, functional anatomy, health and medicine, motor control and learning, physical activity and health, sport and exercise psychology, sports nutrition.

**Assumed knowledge:** At least two of Biology, Chemistry, Physics, Mathematics Advanced.

**Recommended studies:** Health and Movement Science.

### Food Science and Human Nutrition

**Areas of study:** Biology and biochemistry, biomedical science, chemistry, essential nutrients, food marketing and consumer behaviour, food product development, food safety and microbiology, functional foods and health claims, food sustainability, nutrition in health and disease, plant and animal food products.

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

### Global Indigenous Studies

**Areas of study:** Aboriginal professional experience, building skills for change, critical Indigenous studies, development of inclusive workplace and entrepreneurial identities, global Indigenous studies.

### Information Technology

**Areas of study:** Business analysis, computer-human interaction, databases, management, programming, systems analysis and design, web technologies.

**Assumed knowledge:** English Standard, Mathematics Advanced.

## Information Technology (Dip)

**Areas of study:** Information technology, data science, software engineering.

## Languages (Dip)

**Areas of study:** Auslan sign language, Chinese, French, German, Indonesian, Japanese.

## Laws (Combined)

- Arts/Laws
- Biomedicine/Laws
- Business/Laws
- Commerce/Laws
- Criminology/Laws
- Development Studies/Laws
- Global Indigenous Studies/Laws
- Media and Communication/Laws
- Psychological Science/Laws
- Science/Laws
- Social Science/Laws

**Assumed knowledge and Recommended studies:** Refer to the relevant single degree entry.

## Mathematics Mathematics (Advanced)

**Areas of study:** Pure and applied mathematics, statistics, studies in mathematics and statistics.

**Assumed knowledge:** Mathematics Advanced.

**Recommended studies:** Mathematics Extension 1.

## Media and Communication

**Areas of study:** Animation and Illustration, creative arts, graphic design, media production, news media, public relations, screen and cultural studies.

**Assumed knowledge:** Any 2 units of English.

## Media and Visual Communication (Dip)

**Areas of study:** Animation and interaction, creative arts, creative industries, graphic design and illustration, media arts production, news media, public relations.

## Medical Radiation Science (Diagnostic Radiography)

**Areas of study:** Anatomy and physiology, clinical education and methods, continuing professional skills, medical imaging instrumentation and techniques, patient care, physics and radiation safety.

**Assumed knowledge:** English Standard or English Advance plus Mathematics Standard 2 or Mathematics Advanced or Physics.

## Medical Radiation Science (Nuclear Medicine)

**Areas of study:** Anatomy, Indigenous health, molecular imaging, nuclear medicine instrumentation and physics, radio pharmacy, nuclear medicine theory, patient care, physiology, psychology, research methodology, statistics.

**Assumed knowledge:** English Standard or English Advance plus Mathematics Standard 2 or Mathematics Advanced or Physics.

## Medical Radiation Science (Radiation Therapy)

**Areas of study:** Anatomy, behavioural science, clinical methods, imaging and treatment, Indigenous health, oncology, physiology, research methodology, statistics.

**Assumed knowledge:** English Standard or English Advance plus Mathematics Standard 2 or 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 specialities (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:** English Standard or English Advanced.

**Additional selection criteria:** Direct University Joint Medical Program application form, University Clinical Aptitude Test (UCAT ANZ), Multiple Skills Assessment (interview), Personal Qualities Assessment.

## Midwifery

**Areas of study:** Advanced human bioscience, antenatal and labour, human bioscience, indigenous health, introductory pharmacology, midwifery futures, midwifery professional experience placement, midwifery 'with woman', woman and babies in the postnatal time, women with complex labours, women with complex pregnancies, women in labour, women with postnatal complexities.

**Assumed knowledge:** Any 2 units of English (Band 4), any 2 units of mathematics plus Biology or Chemistry.

**Recommended studies:** English Standard (Band 4), Mathematics Standard 2.

## Music and Performing Arts

**Areas of study:** Creative arts, media arts production, performance, performing arts, songwriting and production.

**Recommended studies:** Music 1 or demonstrated musical experience or qualification equivalent to Music 1 or AMEB (Grade 6 to 8 pass).

**Additional selection criteria:** Audition (performance and portfolio), interview (oral assessment), application (written assessment).

## Nursing

**Areas of study:** Acute care, bioscience, child and adolescent health, community health, health promotion and education, indigenous health, lifespan approach, medical and surgical nursing, mental health, older people, pharmacology.

**Assumed knowledge:** Any 2 units of English, Mathematics Standard 2, Chemistry and/or Biology.

**Recommended studies:** English Standard or English Advanced, Biology.

## Nutrition and Dietetics

**Areas of study:** Biomedical science, community and public health, chemistry, human nutrition and health science, sports nutrition, prevention of disease, physiology, pathophysiology.

**Recommended studies:** Chemistry.

## Occupational Therapy

**Areas of study:** Aboriginal and Torres Strait Islander health, anatomy and physiology, behavioural and occupational therapy, biomedical, communication and group processes, occupational science, occupational therapy theory and practical skills, psychology, research methods and statistics, sociology.

**Recommended studies:** Biology, Mathematics Standard 2.

## 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, mental health first aid, pharmacotherapeutics, pharmacy practice.

**Assumed knowledge:** Mathematics Standard 2 (Band 5 or 6), English Advanced, Chemistry, Physics.

## Physiotherapy

**Areas of study:** Advanced anatomy, clinical physiotherapy, community health, exercise science, health promotion and public health, physiology and pathophysiology, statistics and research methodology.

**Assumed knowledge:** English Advanced, Chemistry plus at least one of Physics or Biology.

## Podiatric Medicine

**Areas of study:** Anatomy biomechanics, minor podiatric surgery, pharmacology, physiology, podiatric medicine, sports injuries.

**Assumed knowledge:** Any 2 units of English.

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

## Psychological Science Psychological Science (Advanced)

**Areas of study:** Clinical psychological disorders, cognition and information processing, developmental psychology, neuroscience, perceptual processes and learning theory, psychopharmacology, research methodology, social psychology and personality, statistics.

**Recommended studies:** Biology.

## Science Science (Advanced)

**Areas of study:** Biodiversity and conservation, biological sciences, chemistry, communication, earth science, geography, mathematics, physics, psychology, statistics.

**Assumed knowledge:** Mathematics Standard.

**Recommended studies:** Biology, Chemistry, Earth and Environmental Science, Geography, Mathematics (any) Physics (depending on your major area of study).

## Science (Dip)

**Areas of study:** Biotechnology, chemistry, earth science, food science, geography, plant science, psychological science, nutrition, biology, physics.

## Social and Human Services (Dip)

**Areas of study:** Community services, humanities and social sciences, and society and culture.

**Recommended studies:** HSC English (Standard or Advanced), Society and Culture, Community and Family Studies.

## Social Science

**Areas of study:** Criminology, global Indigenous studies, history, human geography and the environment, human resource management, human services, international relations, linguistics, psychology studies, tourism, society and sustainability, sociology and anthropology.

**Recommended studies:** English Advanced. **For psychology studies major:** Mathematics Standard.

## Social Work

**Areas of study:** Aboriginal studies, law for social work, psychology, social policy and planning, social work, social work ethics, social work practice skills, sociology and anthropology.

**Recommended studies:** Any 2 units of English, 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 Standard 2, English Advanced.

## Tourism, Hospitality and Events

**Areas of study:** Business acumen, data analytics, digital and social media marketing, event and service management, leadership, strategic innovation for the future of tourism.

## Town Planning (Dip)

**Areas of study:** Community engagement techniques, environmental impact assessment, geographic information systems (GIS) technology, planning principles and practices, working respectfully and ethically on country.

## Visual Communication

**Areas of study:** Animation and illustration, communication, creative arts, graphic design, media arts production.

**Recommended studies:** At least one 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
- Arts/Science
- Biomedicine/Laws
- Business/Commerce
- Business/Media and Communication
- Commerce/Business Analytics
- Criminology/Psychological Science
- Data Science/Mathematics
- Data Science/Computer Science
- Development Studies/Business
- Development Studies/Global indigenous Studies
- Development Studies/Media and Communication
- Development Studies/Social Science
- Engineering/Business
- Engineering/Computer Science
- Engineering/Engineering
- Engineering/Mathematics
- Engineering/Science
- Environmental Science and Management/Business
- Exercise and Sport Management/Business
- Exercise and Sport Management/Psychological Science
- Food Science and Human Nutrition/Business
- Information Technology/Business
- Mathematics/Science
- Music/Arts
- Psychological Science/Business
- Psychological Science/Media and Communication
- Psychological Science/Social Science

Combined programs in Laws are also offered. Refer to Laws entry for details.

## Get in touch

The University of Notre Dame Australia  
PO Box 944  
Broadway NSW 2007

 1800 878 916

 [sydney@nd.edu.au](mailto:sydney@nd.edu.au)

 [notredame.edu.au](http://notredame.edu.au)

## In person

The University of Notre Dame Australia  
140 Broadway  
Chippendale NSW 2008

*Main headings indicate courses generally offered as bachelor degrees unless Dip, Adv Dip, 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.

## Arts

**Areas of study:** Advertising, applied psychology, artificial intelligence\*, computer science\*, 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 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.

## Biomedical Science

**Areas of study:** Basic and clinical neurosciences, biochemistry, microbiology, molecular and cell biology, human genetics, immunology, infectious disease, pathology, pharmacology, psychology, reproductive biology.

**Recommended studies:** English Standard, Mathematics Standard 2, plus at least one of Physics, Chemistry, Biology and/or Health and Movement Science.



## Clinical Exercise Physiology

**Areas of study:** Human structure and function, physical activity and health, human growth and development, academic research and writing in health sciences, exercise health and disease; functional anatomy for human movement; exercise physiology, physiology of training and environmental extremes; motor control development and learning; psycho-social aspects of sports and physical activity; biomechanics; nutrition for health and physical activity.

**Recommended studies:** Biology

## Commerce

**Areas of study:** Accounting, advertising, economics, finance, management, marketing.

**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.

## Computer Science

**Areas of study:** Computer systems and networks, mathematics for computer science, database systems, web design and development, project management and governance, data structures and algorithms, artificial intelligence, cybersecurity.

**Recommended studies:** Mathematics Advanced.

## Divinity

**Areas of study:** Catholic theology and associated disciplines, philosophy, sacred scripture.

**Recommended studies:** English Standard or English Advanced.

## Education

### Early Childhood Education

**Areas of study:** Contemporary theories on child development and learning; inclusion and diversity in early childhood, understanding and guiding children's behaviour; play as pedagogy; health, wellbeing and fundamental movement skills; holistic care for young children; foundations of language and literacy; mathematical development -B-5 years numeracy and mathematics; pedagogical documentation in early childhood; scientific and digital inquiry in early childhood; catering for children with special needs; Integrating language and literacy through the arts; families and partnerships in teaching and learning; language and literacy 1; the educational leader; communication needs and challenges in ECE; early intervention in early childhood contexts; research ethics with young children; sustainability and environmental education; leadership and management in the early years; autism spectrum in early childhood.

**Recommended studies:** Mathematics Advanced, 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.

### Exercise and Sport Science

**Areas of study:** Academic research and writing in health sciences; physical activity and health; human growth and development; human structure and function; functional anatomy for human movement; exercise physiology; physiology of training and environmental extremes; exercise prescription and delivery; exercise health and disease; data analysis and experimental design; motor control development and learning; psychological aspects of sport and physical activity; biomechanics; nutrition for health and physical activity

**Recommended studies:** Biology.

*An Assured Pathway to the Master of Physiotherapy is available for students wishing to pursue physiotherapy at a postgraduate level. Refer to Notre Dame for entry requirements.*

## Health Sciences

**Areas of study:** Human structure and function; academic research writing in health sciences; anatomy and physiology; pathophysiology; psychosocial determinants of health; health promotion; mental health; digital health; exercise for health; project management; leadership.

**Recommended studies:** Biology, Chemistry or Investigating Science.

## Laws

### Laws (Combined)

- Laws/Arts
- Laws/Biomedical Science
- Laws/Commerce
- Laws/Communications and Media
- Laws/Philosophy
- Laws/Philosophy, Politics, Economics
- Laws/Politics and Journalism
- 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.

## 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.

## Occupational Therapy

**Areas of study:** Academic research and writing in health sciences, anatomy and physiology of body systems, foundations of professional communication, foundations of wisdom, human structure and function, occupational science: introduction to occupation, understanding health and wellbeing.

**Recommended studies:** Biology, Chemistry, Physics, Biology or Investigating Science.

## 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, 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.

## 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.

## Sport and Recreation Management

**Areas of study:** Management of human and physical resources; bio-physical; behavioural and sociocultural, 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 details.

- Biomedical Science/Commerce
- Commerce/Arts
- Commerce/Communications and Media
- Communications and Media/Arts
- Philosophy/Theology

Combined programs in Laws are also offered. Refer to Laws entry.

**UAC**

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## Get in touch

Student Centre  
Level 3, Jane Foss Russell Building  
The University of Sydney  
NSW 2006



1800 SYD UNI (1800 793 864)



via [sydney.edu.au/ask-domestic](https://sydney.edu.au/ask-domestic)



[sydney.edu.au](https://sydney.edu.au)



## 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](https://sydney.edu.au/study/maths).
- The mathematics course prerequisite is required for courses in advanced computing, engineering, mathematical sciences and pharmacy, including combined courses.
- To meet NSW Education Standards Authority (NESA) requirements, 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 teacher education courses. A Band 4 in Mathematics Standard 2 (or equivalent) is also required for primary 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. Bridging courses in Chemistry, Physics, Biology and Mathematics Extension 1 are available to assist students who have not undertaken the assumed knowledge subjects. 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](https://sydney.edu.au/handbooks) for the available subjects.

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

### Advanced Computing

**Areas of study:** Computational data science, computer science, cybersecurity, 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

**Areas of study:** Agricultural science, plus one related major chosen from: animal production, ecology and evolutionary biology, environmental, agricultural and resource economics, food science, genetics and genomics, microbiology, plant science, soil science and hydrology.

**Assumed knowledge:** English Standard, Mathematics Standard 2.

### Animal and Veterinary Bioscience

**Areas of study:** Animal management and production, animal health, disease and welfare, biology, chemistry, genetics and genomics, nutrition and feed technology, reproduction and assisted reproductive technologies.

### Architecture

#### Architecture and Environments

**Areas of study:** Architectural and environmental design, architectural history and theory, architectural sciences and technologies, construction and property, digital architecture and communications, 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 processes, environment and sustainability, professional practice.

**Assumed knowledge:** English Advanced, Mathematics Advanced.

## Arts and Social Sciences

### Arts

#### Dalyell Scholars

**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 studies, 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, socio-legal studies, sociology, Spanish and Latin American studies, theatre and performance studies, visual arts.

**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 Sciences, foundation academic studies and mathematics.

**Additional selection criteria:** Available to First Nations students only. Assessment may include an interview and personal statement.

## Biomedicine and Health

**Areas of study:** Biomedical science, biomedicine, health.

**Assumed knowledge:** Biology, Chemistry, Mathematics Advanced.

## 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.

**Assumed knowledge:** Mathematics Standard 2 or higher (depending on majors or units of study chosen); other 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.

## Design

### Interaction Design

**Areas of study:** App design, creative technology, design thinking, graphic design, immersive experience design, information architecture, information visualisation, intelligent AI system design, interaction design, interactive product design, physical prototyping, sound design, user-centred design, user-experience (UX) design.

**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 and/or Chemistry.

## Economics

**Areas of study:** Environmental, agricultural and resource economics, econometrics, economics, financial economics. Second area of study in commerce or arts and social sciences.

**Assumed knowledge:** Mathematics Advanced.

## Education

### Early Childhood

**Areas of study:** Curriculum and child development, early childhood education, learning studies (arts, health and wellbeing science, language, mathematics), professional studies including professional communication, working with families, leadership and management.

### Primary

**Areas of study:** Primary education, Indigenous education, teaching English to speakers of other languages (TESOL).

**Course prerequisites:** To meet NESA requirements, Band 5 in three HSC subjects (or equivalent) one of which must be English (English Standard, English Advanced or English as an Additional Language or Dialect); Band 4 in Mathematics Standard (or equivalent).

**Assumed knowledge: For Mathematics specialisation:** Mathematics Standard 2 or Mathematics Advanced.

**For Science specialisation:** Any 2 units of science.

**Additional selection criteria:** Teacher Education Personal Statement.

### Secondary

**Areas of study:** Aboriginal studies, biology, business studies, chemistry, commerce, drama, 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: For Mathematics major, minor or teaching area:** Mathematics Advanced or higher depending on units chosen. **For Physics major, minor or teaching area:** Physics. **For Biology major, minor or teaching area:** Biology.

**Additional selection criteria:** Teacher Education 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:** To meet NESA requirements, Band 5 in three HSC subjects (or equivalent) one of which must be English (English Standard, English Advanced or English as an Additional Language or Dialect).

**Additional selection criteria:** Teacher Education Personal Statement.

## Engineering

**Aeronautical Engineering\***  
**Biomedical Engineering**  
**Chemical and Biomolecular Engineering**  
**Civil Engineering**  
**Dalyell Scholars**  
**Electrical Engineering**  
**Environmental Engineering**  
**Flexible first year**  
**Mechanical Engineering\***  
**Mechatronic Engineering\***  
**Software Engineering**

\* *The study of Space is available alongside this stream.*

**Course prerequisites:** Mathematics Advanced (Band 4) or Mathematics Extension 1 (Band 3) or Mathematics Extension 2 (Band E3).

**Assumed knowledge: For Aeronautical Engineering, Civil Engineering, Mechanical Engineering, Mechatronic Engineering, Software Engineering, and with Space:** Mathematics Extension 1.

**For Electrical Engineering:** Mathematics Extension 1 and Physics.

**For Biomedical Engineering, Chemical and Biomolecular Engineering, Environmental Engineering:** Mathematics Extension 1 and Chemistry.

**For Dalyell Scholars, Flexible first year:** Mathematics Extension 1 and Chemistry and/or Physics (depending on the engineering stream chosen).

**Recommended Studies: For Aeronautical, Engineering Civil Engineering, Mechanical Engineering, Mechatronic Engineering, Software Engineering, with Space:** Physics.  
**For Biomedical Engineering:** Biology and Physics.

## 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.

## International Studies

**Areas of study:** International studies, American studies, anthropology, Arabic language and cultures, Asian studies, Chinese studies, European studies, French and Francophone studies, gender and cultural studies, Germanic studies, Hebrew and Jewish studies, history, Indonesian studies, international relations, Italian studies, Japanese studies, Korean studies, modern Greek studies, political economy, politics, sociology, Spanish and Latin American studies.

**Assumed knowledge:** Depends on major or units of study chosen.

## Languages

**Areas of study:** Arabic language and cultures, Asian studies, Chinese studies, European studies, French and Francophone studies, German studies, Hebrew (Modern), Indonesian studies, international comparative literature and translation studies, Italian studies, Japanese studies, Jewish civilisation, thought and culture, Korean studies, modern Greek and Byzantine studies, Spanish and Latin American studies.

**Assumed knowledge:** Depends on major or units of study chosen.

## Law (Combined)

- Arts and Laws
- Commerce and Laws
- Economics and Laws
- Engineering Honours and Laws
- Science and Laws

**Course prerequisites: For Law combined with Engineering Honours:** 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 of subjects in Liberal Studies (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 First Nations students only. Assessment may include an interview and personal statement.

## Mathematical Sciences

**Areas of study:** Data science, mathematics, statistics.

**Course prerequisites:** Mathematics Advanced.

**Assumed knowledge:** Mathematics Extension 1.

## Media and Communications

**Areas of study:** Digital cultures and technologies, marketing, media industries, media relations, public relations.

**Assumed knowledge:** Depends on major or units of study chosen.

## Medicine (Double Degree)

**Arts and Doctor of Medicine**  
**Science and Doctor of Medicine**

**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 and Doctor of Medicine must take some study in mathematics during their undergraduate degree. Students in Science and 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, 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:** To meet NESA requirements, Band 5 in three HSC subjects (or equivalent) one of which must be English (English Standard, English Advanced or English as an Additional Language or Dialect).

**Assumed knowledge:** Music 2.

**Additional selection criteria:** Audition, portfolio, interview and Teacher Education Personal Statement.

## Nursing

**Areas of study:** Acute care, aged care, child and adolescent health, chronic illness, clinical practice, community nursing, First Nations peoples' health, high acuity, 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) and Master of Pharmacy Practice Pharmacy and Management (Honours) and 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.

## Politics, Philosophy, and Economics

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

**Assumed knowledge:** Depends on majors or units of study chosen.

## Project Management

**Areas of study:** Built environment and 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.

**Assumed knowledge:** Depends on majors or units of study chosen.

## Psychology

**Areas of study:** Psychology, psychological science.

**Assumed knowledge:** Mathematics Advanced; other assumed knowledge depends on minors or units of study chosen.

## Science

**Areas of study:** 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, discrete mathematics and algorithms, ecology and evolutionary biology, environmental science, environmental studies, financial mathematics and statistics, 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 modelling and computation, mathematical sciences, mathematics, medical science, medicinal chemistry, microbiology, neuroscience, nutrition science, pathology, pharmacology, physics, physiology, plant production, plant science, psychological science, software development, soil science and hydrology, statistics, virology.

## Health

**Areas of study:** Health, a second major from those offered for Science.

**Assumed knowledge:** Biology, Mathematics Advanced; other assumed knowledge depends on majors or units of study chosen.

## Medical Science

**Areas of study:** Medical science.

**Assumed knowledge:** Biology, Chemistry, Mathematics Advanced; other assumed knowledge depends on majors or units of study chosen.

## Science

### Science (Advanced)

#### Dalyell Scholars

**Assumed knowledge:** *For Science, Science (Advanced) and Dalyell Scholars:* Mathematics Advanced; other assumed knowledge depends on major or units of study chosen.

### 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 First Nations students only. Assessment may include an interview and personal statement.

## Social Work

**Areas of study:** Human service sector, professional practice, social justice practice, social policy, social work, sociology.

**Assumed knowledge:** Depends on majors or units of study 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 and 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.

**Assumed knowledge:** Biology, Chemistry, Mathematics Advanced.

**Recommended studies:** Physics.

**Additional selection criteria:** Statement of commitment to veterinary science and completion of situational judgment 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.

## Wildlife Conservation (Taronga)

**Areas of study:** Animal and veterinary science, conservation, ecology, evolution, wildlife management, zoology.

## Combined and double degrees

For combined degrees, see the course prerequisites, assumed knowledge and recommended studies for both degrees.

- Advanced Computing and Commerce
- Advanced Computing and Science
- Advanced Computing and Science (Health)
- Advanced Computing and Science (Medical Science)
- Arts and Laws
- Arts and Master of Nursing
- Arts and Doctor of Medicine
- Arts and Social Work
- Commerce and Arts
- Commerce and Laws
- Commerce and Science
- Design in Architecture (Honours) and Master of Architecture
- Economics and Arts
- Economics and Laws
- Engineering Honours and Arts
- Engineering Honours and Commerce
- Engineering Honours and Laws
- Engineering Honours and Project Management
- Engineering Honours and Science
- Engineering Honours (Biomedical Engineering) and Science (Health)
- Engineering Honours and Science (Medical Science)
- Engineering Honours (Civil Engineering) and Design in Architecture
- Pharmacy (Honours) and Master of Pharmacy Practice
- Pharmacy and Management (Honours) and Master of Pharmacy Practice
- Science and Arts
- Science and Doctor of Medicine
- Science and Laws
- Science and Master of Nursing
- Science and Master of Nutrition and Dietetics
- Science (Health) and Master of Nursing
- Veterinary Biology and Doctor of Veterinary Medicine

## Get in touch

Student Centre  
University of Technology Sydney  
PO Box 123  
Broadway NSW 2007

 1300 ASK UTS (1300 275 887)

 via [ask.uts.edu.au](mailto:ask.uts.edu.au)

 [uts.edu.au](http://uts.edu.au)

## In person

Level 2 (Entry level), Building 10  
235 Jones Street  
Ultimo NSW 2007

## 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, Assoc Deg or Undergraduate Cert is shown in brackets. Subheadings are specialisations within the course.*

## Accounting

**Areas of study:** Accounting, taxation and financial planning, business analytics\*, business law\*, finance\*, international business\*, information technology\*, human resource management\*, management\*, marketing\*, advertising and marketing communications\*.

\* *Second major*

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

**Additional selection criteria:** Interview.

## Advanced Science

### Advanced Science – Pharmaceutical Sciences

**Areas of study:** Cell biology and genetics, drug discovery, human anatomy, human anatomy and physiology, 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 characterisation, 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:** Any 2 units of English.

**Recommended studies:** Mathematics Advanced, 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, Textiles and Design, Industrial Technology, Mathematics Extension 1 or Mathematics Extension 2, Dance, Drama, Music 1, Music 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:** Any 2 units of English, English Extension 1, English Extension 2, Mathematics Extension 1, Mathematics Extension 2, English Advanced, Mathematics Advanced, Physics, Modern History.

**Recommended studies:** Design and Technology, Visual Arts, Geography, Earth and Environmental Science.

## 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.

## 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.

## Business

**Areas of study:** Accounting, business, business analytics, business law\*, economics, finance, human resource management, information technology\*, international business, management, marketing, advertising and marketing communications.

\* *Second major*

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

## Communication

### Creative Writing

**Areas of study:** Critical analysis, creative writing, cultural studies, digital content creation, digital content production, editing, 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.

### Digital and Social Media

**Areas of study:** App design, content creation, data analytics, data and AI ethics, digital audience analysis, digital cultures, digital media metrics, digital research methods, media industries, social media campaign, social media platforms, user experience design, user interface design.

**Assumed knowledge:** Any 2 units of English.

### 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.

### Media Business

**Areas of study:** Branding; the dynamics and structure of media and entertainment industries; entrepreneurial skills; fundamentals of management and business finance, the intersection of media, law and ethics.

**Assumed knowledge:** Any 2 units of English.

### Public Relations and Advertising

**Areas of study:** Advertising, branding and reputation, strategic campaign development, crisis communication, corporate communication, public relations.

**Assumed knowledge:** Any 2 units of English.

## Social and Political Sciences

**Areas of study:** Analysing social and political change; communicating 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.

## Computing Science

**Areas of study:** Artificial intelligence and data analytics, business information systems management, cyber security and privacy, enterprise software development, interaction design, mathematical analysis, networking and cyber security, quantum computing.

**Assumed knowledge:** Mathematics Extension 1, any 2 units of English.

**Recommended studies:** English Advanced.

## 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 (Examination), Economics, Business Studies, English Standard, English Advanced, English Extension 1, English Extension 2, Mathematics Extension 1, Mathematics Extension 2, Mathematics Advanced, Physics, Modern History Mathematics Extension 1 or Mathematics Extension 2.

## Creative Production

### Animation

**Areas of study:** Animation production, 2D animation, 3D computer animation, hybrid animation, creative project development, animation, production design, character design, environment design, concept artist, storyboard, cinema, directing, illustration, layout, Maya, modelling, rigging, performance, storytelling, screenwriting, stop motion, technical direction, Toon Boom Centre for Excellence, visual narrative, interactive animation, experiential animation, vfx.

**Assumed knowledge:** Any 2 units of English.

**Recommended studies:** Design and Technology, Visual Arts.

### Media Arts

**Areas of study:** Audio-visual production, 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.

### Music and Sound Design

**Areas of study:** Audio engineering, studio production, music business, music technology, popular music production, songwriting, composition, music programming, podcasting, screen sound, sound design, game sound.

**Assumed knowledge:** Any 2 units of English.

## Criminology

**Areas of study:** Criminology, crime prevention, criminal justice, policing and law enforcement, crime and security science, psychological studies, research and policy, cybercrime, data analytics, forensics, legal studies, social sciences, risk management, digital and communication skills, ethical practice and community engagement

**Assumed knowledge:** Any 2 units of English.

## Cyber security

**Areas of study:** Cyber security, cyber threat intelligence, cyber security incident response, cloud security, computing and IT fundamentals, cryptography, digital forensics, information security, project management.

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

**Recommended studies:** English Advanced, Mathematics Extension 1.

## 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, Dance, Drama, Music 1, Music 2, Music Extension.

### 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, Textiles and Design, Visual Arts, Dance, Drama, Industrial Technology, Software Engineering, Mathematics Extension 1 or Mathematics Extension 2, Music Extension, Music 1, Music 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, Textiles and Design, Visual Arts, Dance, Drama, Industrial Technology, Software Engineering, Mathematics Extension 1 or Mathematics Extension 2, Music Extension, Music 1, Music 2

## Economics

**Areas of study:** Economics, econometrics and statistics, business analytics\*, business law\*, finance\*, international business\*, information technology\*, human resource management\*, management\*, marketing\*, advertising and marketing communications\*.

\* *Second major*

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

## 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) professional experience and placements, 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).

### 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.

## Engineering

**Areas of study:** Biomedical, chemical process, civil, civil and environmental, data science, electrical, electrical and electronic, electronic, mechanical, mechanical and mechatronic, mechatronic, renewable energy, software.

**Assumed knowledge:** Mathematics Extension 1, Physics, English Standard.

**Recommended studies:** English Advanced. **For the biomedical, chemical process, civil, and civil and environmental engineering majors:** Chemistry. **For the software engineering major:** a sound knowledge of the fundamentals of programming.

**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.

## 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.

## Fashion Business

**Areas of study:** 2D and 3D pattern-making approaches, conceptual thinking, experimental design, fashion design practice, fashion history, fashion research, global fashion studios, sustainable fashion, textile design practice. Business strategy, creative industries in the collaborative economy, entrepreneurship, marketing.

**Assumed knowledge:** Any 2 units of English.

**Recommended studies:** Design and Technology, Textiles and Design, Visual Arts, Dance, Drama, Music 1, Music 2, Music Extension.

## Forensic Science

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

**Recommended studies:** Chemistry and Biology.

## Biology

**Areas of study:** Advanced genomics, bioinformatics, biological criminalistics, crime scene, DNA profiling, investigation of human remains, metabolic biochemistry, microbiology, molecular biology.

## Chemistry

**Areas of study:** Analytical chemistry, chemical criminalistics, crime scene, document and counterfeiting, drug analysis, fire and explosion, forensic intelligence, organic chemistry, toxicology.

## 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.

## Digital Forensics

**Areas of study:** Crime scene, digital crime and cybercrime, digital trace and identity, forensic intelligence, forensic statistics, mobile networking, network security, web and monitoring investigation.

## Games Development

**Areas of study:** Animation, computer graphics, computing and IT fundamentals, game design, 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.

## Information Technology

**Areas of study:** Business information systems management, data analytics, enterprise software development, interaction design, networking and cyber security.

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

**Recommended studies:** English Advanced, Mathematics Extension 1.

**Additional selection criteria:** Questionnaire.

## 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.

## Management

### Events, Sport Business, Strategic Innovation and Entrepreneurship, Sustainability and Social Impact

**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.

## 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 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.

## 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.

## 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, any 2 units of English.

**Recommended studies:** English Extension 1, English Extension 2, Mathematics Extension 1, Mathematics Extension 2, English Advanced, Economics, Business Studies, English Standard.

## Psychology

**Areas of study:** Brain and behaviour, developmental psychology, forensic psychology, health psychology, mental health and wellbeing, perceptual and cognitive processes, positive psychology, psychological assessment, psychology career readiness, research methods and statistics, social psychology.

**Assumed knowledge:** Any 2 units of English.

**Recommended studies:** Any 2 units of science, any 2 units of mathematics.

## 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.

### 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.

## 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.

## Sport and Exercise Management

**Areas of study:** Anatomy, biomechanics, event management, exercise management, exercise physiology, financial management, 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
- Engineering/Business
- Engineering/Medical Science
- Engineering/Science
- Information Systems/Business
- Information Technology/Business
- Medical Science/Business
- Science/Business

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 adds innovation skills to 27 UTS degrees, preparing you for future careers. Gain practical problem-solving abilities working with 800+ industry partners on real challenges. Develop critical thinking, collaboration, and entrepreneurship alongside your main degree, setting yourself apart in competitive job markets and preparing for leadership roles.

- Advanced Science
- Animation Production
- Architecture
- 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)
- Engineering
- Fashion and Textiles
- Forensic Science
- Information Technology
- Interior Architecture
- Law
- Management
- Midwifery
- Music and Sound
- Nursing
- Product Design
- Science
- Sport and Exercise Science
- Visual Communication

**Areas of study: For Creative Intelligence and Innovation:** Collaboration and co-creation, 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). You'll develop highly-in-demand capabilities to innovate and collaborate across disciplines. Learn by doing in a creative and entrepreneurial environment. Build a skill set that is transferable to all careers.

All subjects are offered part-time in 3-week periods between the main semesters and can be completed in parallel with the core degree(s). You can complete the Diploma within the duration of your core degree and get a second qualification when you graduate.

Drawing on industry partners, the diploma in Innovation immerses you in real-world challenges with no exams, and gives you the opportunity to work on your own passion projects. For further information including FAQs, visit [dipinn.uts.edu.au](http://dipinn.uts.edu.au).

### Sustainability and Environment (Combined)

- Business
- Economics
- Management
- Science


**Assumed knowledge/Recommended studies:** Refer to the core degree to be combined with Sustainability and Environment.

☆ 2026 ☆

**OPEN DAYS**

Get a taste of life on campus  
and talk to faculty staff.

For dates and locations, go to  
[uac.edu.au/open-days](http://uac.edu.au/open-days).





## Get in touch

UOW Future Students  
University of Wollongong  
NSW 2522



1300 367 869



[futurestudents@uow.edu.au](mailto:futurestudents@uow.edu.au)



[uow.edu.au](http://uow.edu.au)

## In person

Admissions Advice  
Student Central, (Ground Floor Building 17)  
Wollongong campus, Northfields Avenue  
Gwynneville NSW 2500

## 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](http://uow.info/bridging-course).
- All programs are subject to routine review.



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

## Arts (Humanities)

**Areas of study:** Community, culture and environment (Shoalhaven, Eurobodalla, Bega Valley campuses only. Completion of full major subject to availability at time of enrolment); creative writing, English literatures, environment and society, global communications, history, Indigenous studies, international relations, legal studies, performance and theatre, philosophy, politics, sociology, Western civilisation (liberal arts).

**Assumed knowledge:** Any 2 units of English.

**Recommended studies:** English Advanced. **For Western civilisation:** English Advanced, History Extension.

## Arts, Social Science and Humanities (Dip)

**Areas of study:** Academic skills for social science, Australian studies and national identity, health and society, history and the modern world, human geography, politics and international relations, sociology and social issues.

**Assumed knowledge:** Any 2 units of English.



## Business

**Areas of study:** Accountancy, business analytics, economics, finance, human resource management, international business, management, marketing, public relations, sport marketing and management, supply chain management, sustainable business.

**Assumed knowledge:** Any 2 units of English.

**Recommended studies:** Any 2 units of mathematics.

## Business (Dip)

**Areas of study:** Accountancy, finance, management, marketing.

**Assumed knowledge:** Any 2 units of English.

## 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, cybersecurity, digital systems security, game and mobile development, software engineering.

**Assumed knowledge:** Any 2 units of English.

**Recommended studies:** Mathematics Advanced or Mathematics Standard 2.

## Computational Technology

**Areas of study:** Computational physics, computing, cyber network security, principles of data science.

**Assumed knowledge:** Any 2 units of English, Mathematics Standard 2

**Recommended studies:** Mathematics Advanced

## Creative Arts

**Areas of study:** Creative writing, music, performance and theatre, 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:** Visual Arts and/or Design and Technology and/or Textiles and Design. **For music:** Music 2 or Music Extension.

## Economics and Finance

**Areas of study:** Economics, finance.

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

## Engineering

**Areas of study:** Biomedical, civil, computer and autonomous systems, electrical and electronics, environmental, materials, mechanical, mechatronics, mining, telecommunications engineering and internet of things.

**Assumed knowledge:** Any 2 units of English, Mathematics Advanced.

**Recommended studies:** Mathematics Extension 1, Engineering Studies, Physics, Chemistry (Chemistry not required for biomedical, computer and autonomous systems, electrical and electronics, mechanical, mechatronics or telecommunications engineering and internet of things).

## Engineering (Dip)

**Areas of study:** Design, mathematics, mechanics, physics.

**Course prerequisite:** Mathematics Standard 2.

**Assumed knowledge:** Any 2 units of English.

**Recommended studies:** Mathematics Advanced.

## Engineering (Dip) (Fast Track)

**Areas of study:** Design, mathematics, mechanics, physics.

**Course prerequisite:** Mathematics Advanced.

**Assumed knowledge:** Any 2 units of English.

**Recommended studies:** Mathematics Extension 1.

## Engineering – Scholar

**Areas of study:** Biomedical, civil, computer and autonomous systems, electrical and electronics, environmental, materials, mechanical, mechatronics, mining, telecommunications engineering and internet of things.

**Assumed knowledge:** Any 2 units of English, Mathematics Advanced.

**Recommended studies:** Mathematics Extension 1, Engineering Studies, Physics, Chemistry (Chemistry not required for biomedical, computer and autonomous systems, electrical and electronics, mechanical, mechatronics or telecommunications and internet of things).

## Engineering Technology

**Areas of study:** Advanced manufacturing, electronics, sustainable infrastructure and resources.

**Assumed knowledge:** Any 2 units of English, Mathematics Standard 2.

**Recommended studies:** Mathematics Advanced, Engineering Studies and/or any 2 units of science.

## Environmental Science

**Areas of study:** Climate and sustainability, land resources, wildlife and conservation.

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

**Recommended studies:** Biology, Chemistry, Earth and Environmental Science, Mathematics Standard 2.

## Exercise Science and Rehabilitation

**Areas of study:** Anatomy, biomechanics, exercise physiology, exercise prescription, exercise rehabilitation, neuromechanics, physiology.

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

**Recommended studies:** Biology, Chemistry, Mathematics Standard 2.

## Information Technology

**Areas of study:** Network design and management, web design and development.

**Assumed knowledge:** Any 2 units of English.

**Recommended studies:** Any 2 units of mathematics.

## 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.

**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/](http://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, any 2 units of mathematics, any 2 units of science.

**Recommended studies:** Any 4 units of science, Mathematics Standard 2.

## Mathematics

**Areas of study:** Mathematical analysis, mathematical modelling, pure mathematics, statistics.

**Course prerequisite:** Mathematics Standard 2.

**Assumed knowledge:** Any 2 units of English.

**Recommended studies:** Mathematics Extension 1.

### Mathematics (Advanced)

**Areas of study:** Applied mathematics, mathematical analysis, mathematical modelling and optimisation, pure mathematics, statistics and data analytics.

**Course prerequisite:** Mathematics Extension 2.

**Assumed knowledge:** Any 2 units of English.

### Mathematics Education – see Teaching

## Medical and Health Sciences

**Areas of study:** Biochemistry, function and health, human anatomy, human structure, physiology.

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

**Recommended studies:** Biology, Chemistry, Mathematics Standard 2.

## Medical and Health Sciences (Dip)

**Areas of study:** Applied sciences including anatomical, molecular, and physiological process of human health and function.

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

**Recommended studies:** Mathematics Advanced.

## Medical Biotechnology

**Areas of study:** Anatomy and physiology, biochemistry, bioinformatics, cell biology, chemistry, genetics, immunology, microbiology, molecular and functional biology, statistics.

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

**Recommended studies:** Any 4 units of Science, Mathematics Standard 2.

## Medicinal Chemistry

**Areas of study:** Cell biology, chemistry, pharmacology, physiology.

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

**Recommended studies:** Biology, Chemistry, Mathematics Standard 2.

## 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, any 2 units of mathematics, any 2 units of science.

**Recommended studies:** Any 4 units of science, Mathematics Standard 2.

## Nursing (Dip)

**Areas of study:** Administer medications, communication skills, nursing for primary, chronic, aged and mental health care, wound management.

**Assumed knowledge:** Any 2 units of English.

## 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:** Any 2 units of English, any 2 units of mathematics, any 2 units of science.

**Recommended studies:** Any 4 units of science, Mathematics Standard 2.

## Pre-Medicine, Science and Health

**Areas of study:** Anatomy, biochemistry, organic chemistry, pharmacology, physiology.

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

**Recommended studies:** Biology, Chemistry, Mathematics Standard 2.

## Professional Accounting

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

## Psychology

**Assumed knowledge:** Any 2 units of English.

**Recommended studies:** Any 2 units of mathematics.

## Science

**Areas of study:** Cell and molecular biology, chemistry, ecology and conservation biology, medical and radiation physics, nuclear and space radiation technology, physics.

**Assumed knowledge:** Any 2 units of English, any 2 units of mathematics, any 2 units of science. **For medical and radiation physics, nuclear and space radiation technology, physics:** Mathematics Advanced.

**Recommended studies:** Any 4 units of science, Mathematics Standard 2. **For medical and radiation physics, nuclear and space radiation technology, physics:** Chemistry, Mathematics Extension 1, Physics.

### Science Education – see Teaching

## Science (Dip)

**Areas of study:** Biodiversity and environment, biological sciences and climate change, chemistry, mathematics.

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

**Recommended studies:** Mathematics Advanced.

## Social Science

**Areas of study:** Criminology, environment and society, 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.

## Teaching

### Early Years

**Assumed knowledge:** Any 2 units of English.

**Recommended studies:** Any 2 units of mathematics.

### Primary Education

**Assumed knowledge:** Any 2 units of English.

**Recommended studies:** Any 2 units of mathematics.

### Secondary Education (English)

**Assumed knowledge:** Any 2 units of English.

**Recommended studies:** English Advanced.

### Secondary Education (Modern History)

**Assumed knowledge:** Any 2 units of English.

**Recommended studies:** English Advanced, Modern History.

### Secondary Education (Biology, Chemistry, Earth and Environmental Science, Physics)

**Assumed knowledge:** Any 2 units of English, Mathematics Advanced.

**Recommended studies:** English Advanced, any 4 units of science.

### Secondary Education (Mathematics)

**Course prerequisite:** Mathematics Standard 2.

**Assumed knowledge:** Any 2 units of English.

**Recommended studies:** English Advanced, Mathematics Advanced.

### Secondary Education (Health and Physical Education)

**Assumed knowledge:** Any 2 units of English.

**Recommended studies:** English Advanced, any 2 units of science and/or Health and Movement Science.




## Double degrees

See [uow.edu.au](http://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

Future Students Office  
UNSW Sydney NSW 2052

-  1300 UNI NSW (1300 864 679)
-  [futurestudents@unsw.edu.au](mailto:futurestudents@unsw.edu.au)
-  [unsw.edu.au/study](http://unsw.edu.au/study)



## 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](http://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, Assoc Deg or Undergraduate Cert is shown in brackets. Subheadings are specialisations within the course.*

### Actuarial Studies

**Areas of study:** Actuarial risk management and analytics, computational data science, quantitative data science or select a Bachelor of Commerce major. Students wishing to study a Bachelor of Commerce major may need to complete additional units of credit to complete program requirements

**Assumed knowledge:** Mathematics Extension 1.

**Recommended studies:** English Advanced, Mathematics Extension 2.

### Advanced Computer Science (Honours)

**Assumed knowledge:** Mathematics Extension 1.

**Recommended studies:** Engineering Studies, Mathematics Extension 2, Physics, Software Engineering.

### 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 and biodiversity, biotechnology, chemistry, climate systems science, earth science, ecology and conservation, genetics, geography, immunology, marine and coastal science, materials science, mathematics, microbiology, molecular and cell biology, neuroscience, pathology, pharmacology, physiology, psychology, statistics.

**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.

### Applied Exercise Science and Exercise Physiology

**Areas of study:** Biomechanics, exercise and nutrition, exercise science, exercise physiology, human systems, metabolism, rehabilitation, strength and conditioning.

**Assumed knowledge:** Chemistry, Mathematics Advanced.

**Recommended studies:** Biology, Physics, Health and Movement Science.

### Architectural Studies

**Areas of study:** Architectural design, architectural communications, architectural history and theory, architectural science, digital technologies, sustainable construction methods and materials, professional practice, society and environment, technical drawing and model making.

**Recommended studies:** Design and Technology, English Advanced, Modern History, Visual Arts.

### Arts

**Areas of study:** Art history and theory, Asian studies, Australian studies, Chinese studies, criminology, creative writing, digital social sciences, English, environmental humanities, European studies, film studies, French studies, gender studies, geographical studies. German studies, global development, history, indigenous studies, Indonesian studies, Italian studies, international political economy, Japanese studies, Korean

studies, languages, linguistics, media, culture and technology, modern Greek studies, music studies, philosophy, policy, politics and international relations, power and government, security studies, sociology, Spanish studies, studies in psychology, theatre and performance studies.

**Recommended studies:** English Advanced.

## Aviation

### Flying

**Assumed knowledge:** Mathematics Advanced.

**Recommended studies:** Physics.

**Additional selection criteria:** Aptitude Admissions Test.

### Management

**Assumed knowledge:** Mathematics Advanced.

**Recommended studies:** Physics.

### Remotely Piloted Aircraft Systems

**Assumed knowledge:** Mathematics Advanced.

**Recommended studies:** Physics.

## Biotechnology (Honours)

**Areas of study:** Chemistry, commercialisation and biotechnology, genetics, molecular biology, microbiology.

**Assumed knowledge:** Chemistry, Mathematics Advanced.

**Recommended studies:** Biology.

## City Planning

**Areas of study:** City analytics, city economics, heritage planning, housing policy, GIS, planning history, planning communications, planning law, planning theory and methodology, professional practice, sociology, strategic planning, transport planning, urban design, urban renewal.

**Recommended studies:** Design and Technology, Economics, English Advanced, Geography, Legal Studies, Society and Culture.

## Commerce

**Areas of study:** Accounting, AI in business and society, behavioural economics, business analytics, business economics, business sustainability and social impact, cybersecurity management, finance, financial technology, human resource management, information systems, innovation, strategy and entrepreneurship, international business, marketing, marketing analytics, taxation.

**Assumed knowledge:** Mathematics Advanced.

**Recommended studies:** English Advanced, Mathematics Extension 1.

## Commerce (International)

**Areas of study:** Accounting, AI in business and society, Asian studies, business analytics, business economics, business sustainability and social impact, Chinese studies, cybersecurity management, European studies, finance, financial technology, French studies, German studies, global development, history, human resource management, information systems, innovation, strategy and entrepreneurship, international business, Japanese studies, Korean studies, marketing, marketing analytics, politics and international relations, Spanish and Latin American studies, taxation.

**Assumed knowledge:** Mathematics Advanced.

**Recommended studies:** English Advanced, Mathematics Extension 1.

## 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.

## Cyber Security

**Areas of study:** Cyber security principles, data structures and algorithms, digital forensics and cyber crime investigation, ethical and legal issues, human factors, privacy engineering, programming fundamentals, software security, theoretical and practical knowledge.

**Assumed knowledge:** Mathematics Extension 1.

**Recommended studies:** Chemistry, Enterprise Computing, Mathematics Advanced, Mathematics Extension 1, Mathematics Extension 2, Physics, Software Engineering.

## 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 visualisation, ceramics, computational design, experience/spatial design, fashion design, furniture, graphic design, industrial design, interaction and UX design, jewellery, object design, textiles.

## Economics

**Areas of study:** Accounting, AI in business and society business analytics, behavioural economics, cybersecurity management, data analytics and econometrics, economic policy and society, finance, financial technology, human resource management, information systems, innovation, strategy and entrepreneurship, international business, marketing, marketing analytics, macroeconomics and financial markets, taxation.

**Assumed knowledge:** Mathematics Advanced.

**Recommended studies:** English Advanced, Mathematics Extension 1.

## Education

### Education (Primary) (Honours)

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

Please note, this program is structured to include Foundational English and Foundational Mathematics courses in the first year to allow applicants to meet the three Band 5 and Mathematics Band 4 NESA requirements.

### Arts/Education (Secondary)

**Assumed knowledge:** Any 2 units of English (Band 5).

### Commerce/Education (Secondary)

**Assumed knowledge:** Mathematics Extension 1, any 2 units of English (Band 5).

**Recommended studies:** English Advanced, Mathematics Extension 1.

## Design/Education (Secondary)

**Assumed knowledge:** Any 2 units of English (Band 5).

## Economics/Education (Secondary)

**Assumed knowledge:** Mathematics Advanced, any 2 units of English (Band 5).

**Recommended studies:** English Advanced, Mathematics Extension 1

## Fine Arts/Education (Secondary)

**Assumed knowledge:** Any 2 units of English (Band 5).

**Recommended studies:** *For Animation and Moving Image specialisation:* Visual Arts, Design and Technology.

*For Music specialisation:* Either Grade 7 AMEB Performance (or equivalent) and Music 2 or Grade 6 AMEB Musicianship (or equivalent) or Music Extension.

*For Visual Arts specialisation:* 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

### Mechanical and Manufacturing Engineering

### Mechanical Engineering

### Nuclear Engineering

### Quantum Engineering

### Robotics and Mechatronics

### Surveying

### Telecommunications

**Assumed knowledge:** Mathematics Extension 1, Physics.

**Recommended studies:** Chemistry, Design and Technology, Engineering Studies, Mathematics Advanced, Mathematics Extension 1, Mathematics Extension 2, Physics.

### Bioinformatics Engineering

### Computer Engineering

### Software Engineering

**Assumed knowledge:** Mathematics Extension 1.

*For Bioinformatics:* Chemistry.

**Recommended studies:** Chemistry, Design and Technology, Engineering Studies, Enterprise Computing, Mathematics Advanced, Mathematics Extension 1, Mathematics Extension 2, Physics, Software Engineering.

### Chemical Engineering

### Chemical Product Engineering

**Assumed knowledge:** Chemistry, Mathematics Extension 1, Physics.

**Recommended studies:** Chemistry, Design and Technology, Engineering Studies, Mathematics Advanced, Mathematics Extension 1, Mathematics Extension 2, Physics.

### Environmental Engineering

### Geoenergy and Geostorage

### Mining Engineering

### Photovoltaics and Solar Energy Engineering

### Renewable Energy Engineering

**Assumed knowledge:** Mathematics Extension 1, Physics.

**Recommended studies:** Chemistry, Design and Technology, Earth and Environmental Sciences, Engineering Studies, Mathematics Advanced, Mathematics Extension 1, Mathematics Extension 2, Physics.

## 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, game art, game design, moving image, music, music pedagogy, painting, photography, printmaking, sculpture, sonic arts, sound, visual effects.

**Recommended studies:** *For Art Theory and Visual Arts specialisation:* Visual Arts. *For Animation and Moving Image specialisation:* Visual Arts, Design and Technology.

*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, Chemistry, Food Technology, Mathematics Advanced, Mathematics Extension 1, Mathematics Extension 2, Physics.

## Information Systems

**Areas of study:** Business analysis and agile product management, business databases, cybersecurity management, data analytics, digital transformation in business, organisations, user experience and IT service design.

**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:** Design and Technology, English Advanced, Textiles and Design, Visual Arts.

## Landscape Architecture

**Areas of study:** Design studio, ecological systems and processes, landscape, landscape engineering principles, landscape history and theory, plants and design, sustainable landscape construction methods and materials, urban design.

**Recommended studies:** Design and Technology, English Advanced, Geography, Visual Arts.

## Law (Double)

- |  |  |
|--|--|
| ■ Actuarial Studies/Law                | ■ Media/Law                                |
| ■ Advanced Science (Hons)/Law          | ■ Medicinal Chemistry (Hons)/Law           |
| ■ Arts/Law                             | ■ Politics, Philosophy and Economics/Law   |
| ■ City Planning (Hons)/Law             | ■ Psychological Science/Law                |
| ■ Commerce/Law                         | ■ Psychology (Hons)/Law                    |
| ■ Computer Science/Law                 | ■ Science/Law                              |
| ■ Criminology and Criminal Justice/Law | ■ Science (Advanced Mathematics (Hons)/Law |
| ■ Data Science and Decisions/Law       | ■ Social Sciences/Law                      |
| ■ Economics/Law                        | ■ Social Work (Hons)/Law                   |
| ■ Engineering (Hons)/Law               |  |
| ■ Fine Arts/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.

## Materials Science and Engineering (Honours)

**Areas of study:** Ceramic engineering, functional materials, materials engineering, physical metallurgy, process metallurgy.

**Assumed knowledge:** Mathematics Extension 1, Physics, Chemistry.

## Media

**Areas of study:** Advertising, animation, cinema studies, communications, film, journalism, media studies, public relations, screen production, social media.

**Recommended studies:** English Advanced.

## Medical Science

**Areas of study:** Human anatomy, human pathology, medical immunology, 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.

## Nutrition, Dietetics and Food Innovation

**Areas of study:** Assessment methodologies, counselling skills, dietetics, food innovation, food microbiology, human systems, nutrition.

**Assumed knowledge:** Chemistry, Mathematics Advanced.

**Recommended studies:** Biology.

## Optometry and Vision Science

### Vision Science

### Vision Science/Clinical Optometry

**Assumed knowledge:** Chemistry, English Advanced, Mathematics Advanced, Physics.

## Pharmacy

**Assumed knowledge:** Chemistry, Mathematics Advanced.

## Physiotherapy and Exercise Physiology

**Assumed knowledge:** Chemistry, Mathematics Advanced.

**Recommended studies:** Biology, Physics, Health and Movement Science.

## Politics, Philosophy and Economics

**Areas of study:** Economics; philosophy; 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, Earth and Environmental Science, Physics.

## Psychology (Honours)

**Areas of study:** Cognitive science, developmental psychology, health psychology, language, neuroscience, psychology and law, psychopathology, vision and brain.

**Assumed knowledge:** Mathematics Advanced.

**Recommended studies:** Biology, Chemistry, English Advanced, Earth and Environmental Science, Physics.

## Science

**Areas of study:** Anatomy, bioinformatics, biology and biodiversity, biotechnology, chemistry, climate systems science, earth science, ecology and conservation, food science, genetics, geography, immunology, marine and coastal science, materials science, mathematics, mathematics for education, 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, environmental humanities, digital social sciences, gaming and society, gender studies, geographical studies, global development, human resource management, Indigenous studies, innovation, international business, international studies, languages (Chinese, French, German, Greek, Italian, Japanese, Korean, Spanish), marketing, media, culture and technology, politics and international relations, sociology, working with communities.

## Social Work

**Recommended studies:** English Advanced.

## 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)/Computer Science
- Advanced Science (Hons)/Engineering (Hons)
- Advanced Science (Hons)/Fine Arts
- Advanced Science (Hons)/Social Sciences
- Commerce/Actuarial Studies
- Advanced Mathematics (Honours) / Commerce
- Commerce/Arts
- Commerce/Aviation (Management)
- Commerce/Computer Science
- Commerce/Design
- Commerce/Economics

- Commerce/Education (Secondary)
- Commerce Engineering (Hons)
- Commerce/Fine Arts
- Commerce/Information Systems
- Commerce/Materials Science and Engineering (Hons)
- Commerce/Media
- Commerce/Science
- Computer Science/Arts
- Computer Science/Fine Arts
- Criminology and Criminal Justice/Psychology (Hons)
- Criminology and Criminal Justice/Psychological Sciences
- Design/Media
- Economics/
- Economics/Advanced Mathematics (Hons)
- Economics/Advanced Science (Hons)
- Economics/Arts
- Economics/Computer Science
- Economics/Education (Secondary)
- 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
- Information Systems/Computer Science
- 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
- Medical Studies/Doctor of 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.

**UAC**

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TEQSA provider ID: PRV12055

## Get in touch


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 [unsw.edu.au/canberra](http://unsw.edu.au/canberra)

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 (+61 2) 5114 5242

 [student.recruitment.cbr@unsw.edu.au](mailto:student.recruitment.cbr@unsw.edu.au)

 [unsw.edu.au/canberra](http://unsw.edu.au/canberra)

*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, geography, history, Indo-Pacific 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 ADF Careers 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 ADF Careers for entry to the Australian Defence Force.

## Computing and Cyber Security

**Assumed knowledge:** Mathematics Advanced.

**Offered to:** ADFA trainee officers.

**Additional selection criteria: ADFA trainee officers:** Selection process with ADF Careers for entry to the Australian Defence Force.

## Cyber Security

City campus

**Assumed knowledge:** Mathematics Advanced.

**Offered to:** Australian citizens.



## Engineering

**Aeronautical Engineering**  
**Civil Engineering**  
**Electrical Engineering**  
**Mechanical Engineering**  
**Naval Architecture**

**Assumed knowledge:** Mathematics Advanced, Physics.

**Offered to:** ADFA trainee officers.

**Additional selection criteria: ADFA trainee officers:** Selection process with ADF Careers for entry to the Australian Defence Force.

## Science

**Areas of study: Majors:** Aviation, chemistry, computer science, geography, mathematics, maritime, oceanography, physics.

**Assumed knowledge: For Aviation, Chemistry, Maritime, 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 ADF Careers 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 ADF Careers for entry to the Australian Defence Force.





## Get in touch

UNSW College  
Building L5, 223 Anzac Parade  
Kensington NSW 2033



+61 2 8936 2222



[unswcollege.edu.au/contact-us](mailto:unswcollege.edu.au/contact-us)



[unswcollege.edu.au](http://unswcollege.edu.au)

## Read this first



Courses, majors and progression requirements may change prior to 2029.

Students should check the UNSW College website for the most up-to-date information.

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

## Applied Business (Business Management)

**Areas of study:** Accounting, business analytics, business management, change management, economics for business decision-making, finance, human resource management, leadership and data-driven decision-making, marketing.

**Recommended studies:** Business Studies, Economics, Mathematics Standard 1 or 2 or Mathematics Advanced, Legal Studies, Enterprise Computing, Retail Services, Hospitality, Society and Culture.

## Architecture (Dip)

**Areas of study:** Architectural studies, interior architecture, landscape architecture.

## Business (Dip)

**Areas of study:** Accounting, behavioural economics, business analytics, business economics, business sustainability and social impact, cybersecurity management, finance, financial technology, human resource management, information systems, innovation, strategy and entrepreneurship, international business, marketing, marketing analytics, taxation.

## Computer Science (Dip)

**Areas of study:** Artificial intelligence, computer networks, computer science, database systems, ecommerce systems, embedded systems, programming languages, security engineering.

**Recommended studies:** Mathematics Advanced or Mathematics Extension 1 or Mathematics Extension 2.

## Engineering (Dip)

**Areas of study:** Aerospace engineering, bioinformatics, biomedical engineering, chemical engineering, chemical product engineering, civil engineering, computer engineering,



electrical engineering, environmental engineering, geoenergy and geostorage, materials science and engineering, mechanical and manufacturing engineering, mechanical engineering, mechatronic engineering, mining engineering, nuclear engineering, photovoltaics and solar energy engineering, quantum engineering, renewable energy engineering, robotics and mechatronics engineering, surveying, software engineering, telecommunications.

**Recommended studies:** Mathematics Advanced or Mathematics Extension 1 or Mathematics Extension 2, Physics.

## Information Technology

### Cyber Defence and Networking

**Areas of study:** Cloud and secure cloud architecture, cybersecurity and digital defence, digital forensics, governance risk and compliance networking and infrastructure, security operations and incident response.

**Recommended studies:** Mathematics Standard 1 or 2, Mathematics Advanced or Mathematics Extension 1, Software Engineering, Engineering Studies, Enterprise Computing, Physics, Design and Technology.

### Software Development

**Areas of study:** Programming and software engineering, artificial intelligence and machine learning, data and database systems, cloud and cloud security, networking and cybersecurity, visualisation and user experience, and modern software development practices.

**Recommended studies:** Mathematics Standard 1 or 2, Mathematics Advanced or Mathematics Extension 1, Software Engineering, Engineering Studies, Enterprise Computing, Physics, Design and Technology.

## Media and Communications (Dip)

**Areas of study:** Cinema studies, communication and journalism, media studies, public relations and advertising, screen production.

## Science (Dip)

**Areas of study:** Anatomy, biology and biodiversity, chemistry, food science, genetics, marine and coastal science, materials science, mathematics, microbiology, molecular and cell biology, pathology, pharmacology, physical oceanography, physics, physiology, statistics.

**Recommended studies:** Mathematics Advanced or Mathematics Extension 1 or Mathematics Extension 2.

**For Physical Science specialisation:** Physics.



### Get in touch

Course Information Centre  
Western Sydney University  
Locked Bag 1797  
Penrith NSW 2751



1300 668 370



[study@westernsydney.edu.au](mailto:study@westernsydney.edu.au)



[westernsydney.edu.au](http://westernsydney.edu.au)

### In person

Campus locations are: Bankstown City, Campbelltown, Hawkesbury, Liverpool City, Parramatta, Parramatta City, Penrith, Sydney City, Westmead.

### 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, Assoc Deg or Undergraduate Cert 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) plus any 2 units of science and/or Mathematics Advanced (Band 4).

**Recommended studies:** Design and Technology.

### Arts

**Areas of study:** Anthropology, Arabic, childhood studies, Chinese, creative writing, criminology and criminal justice, culture and society, drama, 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 (Band 4), any 2 units of mathematics (Band 4).

**Recommended studies:** English Standard (Band 4), Mathematics Standard (Band 4).

### 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.

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

### Arts (Dip)

**Areas of study:** Australian history, Australian government, Australian legal system, communication, critical thinking, contemporary issues, contemporary Australian society, digital communication, education studies, foreign policy, humanities, Indigenous Australian culture, intercultural communication, literacy, literary interpretation, society and culture, world history.

### Building Design and Construction (Dip)

**Areas of study:** Australian legal system, built environment, business skills, construction regulations, construction site management, construction industry, domestic construction, ecologically sustainable development, natural environment, professional communication, professional practice, research, safety management, structural design, surveying techniques, sustainability, UN sustainability development goals, WHS.

## Business

Accounting  
Applied Finance and FinTech  
Business Analytics  
Economics  
Human Resource Management  
International Business  
Management  
Marketing and MarTech  
Property  
Sport Management

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

## Business (Dip)

**Areas of study:** Commerce, communication, consumer behaviour, creative concepts, creative enterprises, decision-making, economics, emerging markets, emerging technologies, finance, financial literacy, future of work, global enterprise, government policy, innovation and change, international business, leadership, marketing, organisational behaviour, small to medium enterprise, social media, sports management, strategy.

## Communication

**Areas of study:** Advertising, journalism, public relations.

## Computer Science

**Areas of study:** Artificial intelligence, cloud computing, cyber security, networked systems, systems programming, technology entrepreneurship.

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

## Construction Management (Honours)

**Areas of study:** Building, building surveying, construction economics, construction law, construction technology, construction resource management, quantity surveying.

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

## Construction Technology

**Areas of study:** Construction economics, construction law, construction project management, construction technology.

**Assumed knowledge:** Any 2 units of mathematics, Physics and English

## Creative Industries and Communication (Dip)

**Areas of study:** AI, applied learning, communication, creative concepts, creative enterprises, creative industries, data, data analysis, digital artefacts, digital media, emerging technologies, entrepreneurship, future of work, governance, innovation, intellectual property law, photomedia, photography, public policy, screen media, screen technology, visual communication, visual media design, website design.

## 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

**Areas of study:** Criminal and community justice.

## Criminology

**Areas of study:** Criminology.

## Cyber Security and Behaviour

**Areas of study:** Criminology, cybercrime, data informatics, psychology, systems security.

## Data Science

**Areas of study:** Artificial intelligence, astroinformatics, big data, database technology, global sustainability, health informatics, machine learning, social network analysis, statistical analysis, statistical programming, visualisation.

**Assumed knowledge:** Any 2 units of English, Mathematics Advanced.

## Design

### Design

**Areas of study:** Branding and strategy, data and digital storytelling, digital media, user experience and user interface design, visual media.

### Design and Technology

**Assumed knowledge:** Any 2 units of English plus at least two of Business Studies, Design and Technology, Engineering Studies, 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), Mathematics Advanced (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.

**Recommended studies:** English Standard, Mathematics Advanced.

### Education (Primary) – Aboriginal and Torres Strait Islander Education

Available only to Australian 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:** Mathematics Standard 2 (Band 4) or Mathematics Advanced (Band 4).

**Recommended studies:** English Standard.

## Education (Secondary)

**Assumed knowledge:** Mathematics Standard 2 (Band 4) or Mathematics Advanced (Band 4).

**Recommended studies:** English Standard. Mathematics Advanced.

## Business (Pathway to Teaching Secondary)

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

## Science (Pathway to Teaching Primary/Secondary)

**Assumed knowledge:** Any 2 units of mathematics (Band 4), any 2 units of English (Band 5) plus at least two of Biology, Chemistry, Physics.

## Education Studies (Dip)

**Areas of study:** Australian professional standards for teachers, child development, communication, critical thinking, curriculum design and development, development theory, early learning, education, educational psychology, ethnicity, interpersonal skills, gender, literacy, numeracy, personal identity, professional practice, regulatory environment, relationship management, social class, society and culture, sustainability, sustainability literacy, teaching.

## Engineering (Honours)

**Areas of study:** Advanced manufacturing, civil, construction, electrical, materials, mechanical, robotics and mechatronics, 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 Studies (Dip)

**Areas of study:** Applied engineering, atomic structure, automation, built environment, contemporary engineering problems, critical thinking, data analysis, ecologically sustainable development, engineering physics, innovation, interatomic bonding, materials science, mathematical concepts, mechanics, natural environment, problem solving, research, statistics, sustainability, system international, thermodynamics, UN sustainability development goals.

## Engineering Science

**Assumed knowledge:** Any 2 units of mathematics (not Mathematics Standard) (Band 4 or higher), any 2 units of science, any 2 units of English.

**Recommended studies:** Physics, Mathematics Advanced.

## Health Science

### Clinical Exercise Physiology

### Clinical Sciences

### Exercise Science

### Health Promotion

### Health Services Management

### Public Health

### Recreational Therapy

### Sport and Performance Science

**Assumed knowledge:** Any 2 units of English.

## Health, Physical Education and Sport

**Assumed knowledge:** Any 2 units of English.

**Recommended studies:** Health and Movement Science or Community and Family Studies.

## Health Science (Dip)

**Areas of study:** Health and physical education, health promotion, health services management, physical development, therapeutic recreation.

## Humanitarian and Development Studies

**Areas of study:** Human rights, protection and development, humanitarian preparedness and response.

## 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

**Areas of study:** Cyber security and ethical hacking, enterprise systems and architectures, health informatics, multimedia computing, networking and cloud computing, software development.

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

## Information and Communications Technology (Dip)

**Areas of study:** Algorithmic design, communication, creative concepts, creative enterprises, cybercrime, cyber security, database design, database management, emerging technologies, innovation and change, mathematical foundations, networking, problem solving, program design, program language, programming, software development, Structured Query Language, teamwork.

## Information Systems

**Areas of study:** Business analytics, cloud computing, cybersecurity management, entertainment computing, health informatics, infonomics, mobile computing, network management, networking, user experience.

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

## International Studies

**Assumed knowledge:** Any 2 units of English (Band 4).

**Recommended studies:** English Standard.

## Laws

### Laws (Combined)

- |  |  |
|--|--|
| ■ Accounting/Laws                      | ■ Criminology/Laws                               |
| ■ Arts/Laws                            | ■ Information and Communications Technology/Laws |
| ■ Arts (Psychology)/Laws               | ■ Information Systems/Laws                       |
| ■ Business /Laws                       | ■ International Studies/Laws                     |
| ■ Communication/Laws                   | ■ Science/Laws                                   |
| ■ Construction Management Studies/Laws | ■ Social Science/Laws                            |
| ■ Criminal and Community Justice/Laws  |  |

**Assumed knowledge:** **For Laws:** Any 2 units of English.

**For the other area of study:** Refer to the relevant entry.

## Mathematics

**Areas of study:** Advanced calculus, discrete mathematics, mathematical programming, programming fundamentals, statistical decision-making.

**Assumed knowledge:** Mathematics Advanced or Mathematics Extension 1 or Mathematics Extension 2 and at least 2 units of English

## Medical Science Advanced Medical Science

### Anatomy and Physiology Biomedical Science Human 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

**Areas of study:** Clinical medical and surgical specialities, health in the community, hospital-based medicine, medical sciences, mental health, patient care, population health, research and medicine in context, women's and children's health.

**Recommended studies:** Chemistry.

**Additional selection criteria:** University Clinical Aptitude Test (UCAT ANZ) and interview performance.

## Midwifery

**Areas of study:** Evidence-based midwifery, midwifery knowledge and skills, woman-centred care, primary health care.

## Music

**Areas of study:** Composition, music performance, musicology, music production studies.

**Assumed knowledge:** Any 2 units of music (Band 4).

**Additional selection criteria:** Audition.

## Nursing

**Areas of study:** Contemporary practices in nursing, health and education, research, technology and other forms of evidence which includes principles of intra-professional and interprofessional learning and practice, principles of diversity, culture, inclusion and cultural safety for all people and student knowledge and skills in pharmacotherapeutics and quality use of medicines.

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

## Nursing/ Health Science (Undergraduate Preparation Program)

**Areas of study:** Communication, health care environments, psychology, science.

## Occupational Therapy

**Assumed knowledge:** Any 2 units of English.

**Recommended studies:** Physics, Chemistry plus Biology and/or Health and Movement Science.

## Paramedicine

**Areas of study:** Anatomy and physiology, clinical decision-making, clinical pharmacology, communication, ethics and law, evidence-based practice, out-of-hospital medical care, paramedicine, pathophysiology, professional health competencies, psychology in health, trauma care.

**Assumed knowledge:** Any 2 units of English and Mathematics Advanced.

**Recommended studies:** Biology.

## Performing Arts

**Areas of study:** Acting technique, movement, performance theory, screen performance, stage production, voice.

**Assumed knowledge:** Any 2 units of English.

**Additional selection criteria:** Audition.

## Physiotherapy

**Areas of study:** Communication and psychology in health, human medical sciences, physiotherapy studies, professional health competencies.

**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.

## Podiatric Medicine

**Areas of study:** Communication, culture and psychology in health; human medical sciences; pathomechanics; pharmacology; podiatry studies, including high-risk conditions; professional competencies; rheumatology.

**Assumed knowledge:** Any 2 units of English.

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

## Policing

**Areas of study:** Criminal justice, criminology, policing theory and practice.

## Psychological and Social Sciences

**Areas of study:** Criminology, geography and urban studies, human welfare, psychology, social sciences, sociology.

## Applied Policing (Undergraduate Preparation Program)

**Areas of study:** Academic and digital literacy, foundational knowledge relevant to policing and justice, professional communication skills.

## Psychology (Honours)

**Areas of study:** Psychology.

## Science Advanced Science

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

### Agricultural Science

**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.

## Food Science and Innovation

**Recommended studies:** Any 2 units of mathematics, Biology or Chemistry.

## Forensic Science

**Recommended studies:** Any 2 units of mathematics, Biology or Chemistry.

## 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)

**Areas of study:** Agriculture, applied science and technology, biodiversity, biological systems, biotechnology, chemistry, DNA technology, ecologically sustainable development, environmental science, evolution, food production, forensics, genetics, living organisms, medical science, medicine, natural environment, natural science, research, sustainability, UN sustainability development goals.

## Screen Media (Arts and Production)

**Areas of study:** Design, documentary making, game design, interactive media, journalism.

## Social Science

**Areas of study:** Anthropology, child and community studies, criminology and criminal justice, disability studies, geography and urban studies, heritage and tourism, peace and development studies, sociology.

## Social Science (Dip)

**Areas of study:** Australian legal system, community action, contemporary Australian society, contemporary issues, criminal behaviour, criminal justice, criminology, critical thinking, diversity, humanities, human rights, Indigenous Australia, Indigenous culture, language, mental health, professional pathways, professional practice, public policy, research.

## Social Work

**Areas of study:** Social work.

## Speech Pathology

**Areas of study:** Human behavioural sciences, human medical sciences, linguistics, speech pathology theory and practice, professional health competencies, research methods and evidence-based practice.

**Assumed knowledge:** Any 2 units of English.

## Tourism and Event Management

**Areas of study:** Environmental management, event and festival management, heritage, marketing, place management, planning, sport and sustainability.

## Traditional Chinese Medicine

**Areas of study:** Acupuncture, Chinese herbal medicine, Chinese medical theory and practice, human medical sciences including anatomy, pathophysiology, physiology and clinical assessment.

**Assumed knowledge:** Any 2 units of English.

**Recommended studies:** Biology.

## Youth Work

**Areas of study:** Community development, informal education practices, organisational management, political analysis, professional ethics, sociology of youth, youth cultures, youth engagement skills, youth justice systems and practices, youth work principles and methods.

## 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/Social Science
- Communication/Business
- Criminal and Community Justice/Social Work
- Engineering (Honours)/Business
- International Studies/Business
- International Studies/Social Science
- Science/Arts
- Science/Business

Double degrees in Laws are also offered. Refer to main subject entry for details.



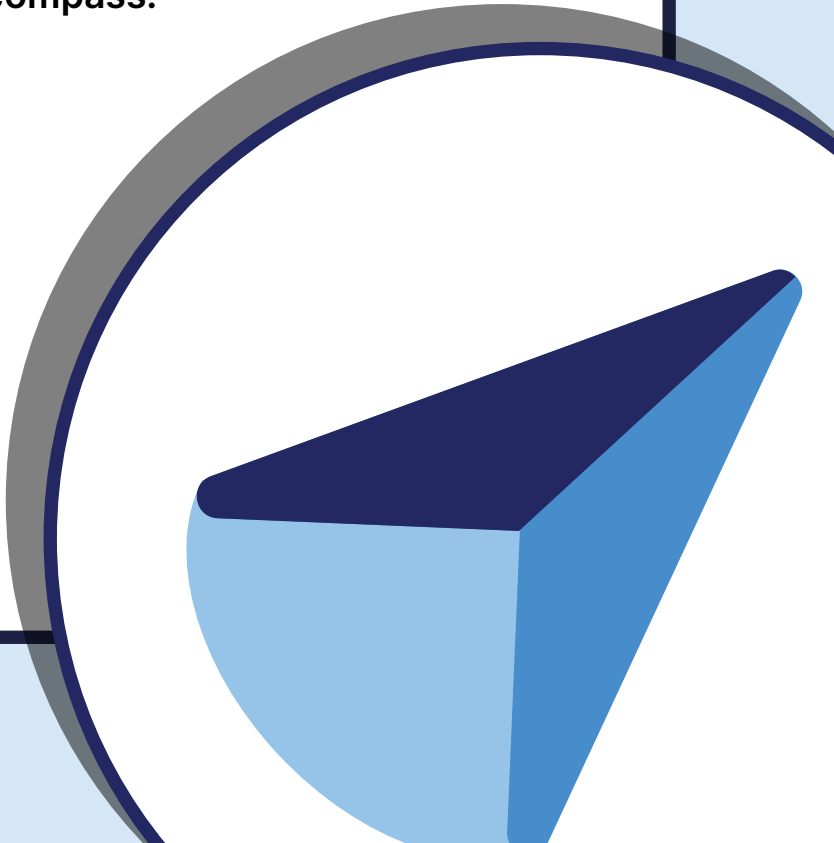
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Tell us about your interests, skills and goals and we'll make some suggestions.

Scan to explore your options using UAC's **Subject Compass** tool, or go to [uac.edu.au/subject-compass](https://uac.edu.au/subject-compass).



## Steps to Uni for Year 10 students

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## About this publication

This booklet is for students in Year 10 in 2026 to help them decide which HSC courses to take in Years 11 and 12. It lists courses UAC's participating institutions will offer in 2029 with details of prerequisites, assumed knowledge, recommended studies and additional selection criteria.

## Images

Good Thanks Media.

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