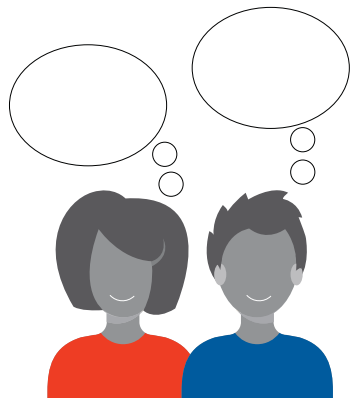




University Entry Requirements 2020 for
Year 10 Students

Essentials: University Entry Requirements 2020 for Year 10 Students

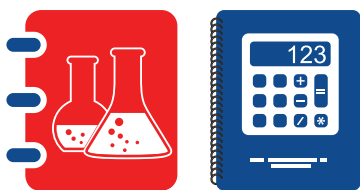
Fast facts



Think about your interests, qualities and skills when planning for your future and consider if tertiary study is for you.



Base your subject selection for Years 11 and 12 on your interests, abilities and future plans – students do best in courses they enjoy and apply themselves to.

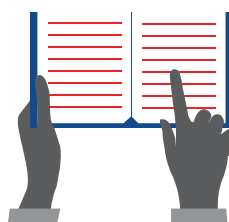


Choose subjects that give you broad options, including being eligible for the HSC and the ATAR.



In addition to the ATAR, be aware that many institutions have admission requirements such as prerequisites, as well as assumed knowledge, recommended studies and additional selection criteria.

Find out about admission requirements for the tertiary courses you're interested in and check that you meet them – this booklet is a good place to start.



Contents

Open days 2017	2	SAE Creative Media Institute	58
Part 1 Year 10: A year of decisions		SIBT	59
Introduction	3	Southern Cross University	60
About UAC	3	Top Education Institute	63
UAC jargon	4	Torrens University Australia	64
All about the HSC and the ATAR	6	University of Canberra	67
The NSW HSC	6	University of New England	71
The ATAR	7	University of Newcastle	73
Applying to uni	8	University of Sydney	77
Need to know more?	10	University of Technology Sydney	80
FAQ about the ATAR	10	University of Wollongong	84
Step 1: Consider	13	UNSW Sydney	88
Who inspires you?	13	Western Sydney University	92
What do you like to do?	13		
What are you good at?	14		
Who can you talk to?	14		
Brainstorming	15		
Worksheet 1	16		
Worksheet 2	17		
Step 2: Explore	18		
What are my options?	18		
Step 3: Decide	24		
HSC subjects and courses	24		
Choosing courses	25		
HSC Board Developed courses to be examined in 2019	30		
Board Endorsed courses (Content Endorsed courses)	31		
Part 2 Institution requirements			
Prerequisites	32		
Additional selection criteria	32		
Assumed knowledge	32		
Recommended studies	32		
Institutions			
Australian Catholic University	33		
Australian College of Applied Psychology	36		
Australian Maritime College	37		
Australian National University	38		
Charles Sturt University	42		
CQUniversity	45		
Griffith University	47		
International College of Management, Sydney	50		
La Trobe University	51		
Macleay College	53		
Macquarie University	54		
MIT Sydney	57		
National Art School	57		

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uac.edu.au
email online enquiry form:
uac.edu.au/general/enquiry

Facebook:

facebook.com/universitiesadmissionscentre

Twitter:

twitter.com/UACinfo

YouTube:

youtube.com/user/UACinfo

Open days 2017



Australian Catholic University

acu.edu.au
 Canberra 26 August
 North Sydney 2 September
 Strathfield 9 September

Australian College of Applied Psychology

acap.edu.au
 Sydney 23 August, 22 November

Australian Maritime College

amc.edu.au
 Newnham 12 August

Australian National University

anu.edu.au
 Canberra 26 August

Charles Sturt University

futurestudents.csu.edu.au
 Albury-Wodonga 22 August
 Sydney 26 August
 Wagga Wagga 29 August
 Bathurst 31 August

CQUniversity

cqu.edu.au/openday
 Sydney 6 September
 Online Chat 2, 16 & 30 August
 available 3-6pm 13 September

Griffith University

griffith.edu.au
 Southbank, Nathan and Gold Coast 23 July

International College of Management, Sydney

icms.edu.au
 Manly 6 August

La Trobe University

latrobe.edu.au
 Shepparton 4 August
 Melbourne 6 August
 Albury-Wodonga 12 August
 Mildura 16 August
 Bendigo 27 August
 Sydney email sydney@latrobe.edu.au
 for an individual appointment

Macleay College

macleay.edu.au
 Surry Hills 19 August

Macquarie University

mq.edu.au
 North Ryde 19 August

MIT Sydney

mit.edu.au
 For campus tours/appointments and course information call (02) 8267 1400 or visit the website.

National Art School

nas.edu.au
 Darlinghurst 2 September

SAE Creative Media Institute

sae.edu.au
 Sydney and Byron Bay 5 August

SIBT

sibt.nsw.edu.au
 For campus tours call (02) 9964 6555 or visit the website.

Southern Cross University

scu.edu.au
 Coffs Harbour 4 December
 Lismore 5 December
 Gold Coast 7 December

TOP Education Institute

top.edu.au
 Sydney 23 August

Torrens University Australia

torrens.edu.au
 The Rocks 29 April, 12 August
 Billy Blue College of Design (Ultimo) 29 April, 12 August
 Media Design School (Ultimo) 12 August
 Blue Mountains International Hotel Management School (Leura) 2 September
 William Blue College of Hospitality Management (The Rocks) 29 April, 12 August

University of Canberra

canberra.edu.au
 Bruce 26 August

University of New England

une.edu.au
 Armidale 5 May

University of Newcastle

newcastle.edu.au
 Port Macquarie 3 August
 Central Coast (Ourimbah) 12 August
 Newcastle (Callaghan) 19 August

University of Sydney

sydney.edu.au
 All campuses 26 August

University of Technology Sydney

uts.edu.au
 City 26 August

University of Wollongong

uow.edu.au
 Wollongong 19 August

UNSW Sydney

unsw.edu.au
 UNSW Canberra 26 August
 UNSW Sydney 2 September

Western Sydney University

westernsydney.edu.au
 Parramatta 27 August

Part 1

Year 10: A year of decisions

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

Introduction

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

In this booklet, UAC's participating institutions have listed the courses they plan to offer for 2020 admissions. For each course they have also set out, where applicable, details of:

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

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

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

This booklet also provides general information about HSC courses, how the ATAR is calculated and used for tertiary entry, and how bonus points work. There are worksheets to guide you through the steps involved in choosing your subjects 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 subjects which will keep your options open and give you the best chance of succeeding in the future.



To view a presentation on how to use this booklet, visit uac.edu.au/schoolink/schools.shtml.

About UAC

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

In 2016–17, there were more than 2,000 undergraduate courses listed through UAC by participating and apply direct institutions.

UAC also:

- calculates and provides the Australian Tertiary Admission Rank (ATAR) to NSW HSC students
- processes applications for Schools Recommendation Schemes (SRS)
- processes applications for Educational Access Schemes (EAS)
- processes applications for some Equity Scholarships (ES).



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

UAC jargon

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

Additional selection criteria

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

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

Admission requirements

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

Advanced Diploma

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

Areas of study

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

Associate Degree

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

Assumed knowledge

Knowledge of a specific Year 12 course that an institution assumes you have before you begin your tertiary course. If you don't have the assumed level of knowledge but do have a suitable ATAR, you may still be selected for the course but have difficulty coping with your studies.

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

ATAR (Australian Tertiary Admission Rank)

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

ATAR courses

Board Developed courses for which the NSW Education Standards Authority conducts examinations that produce graded assessments. Classified as Category A courses or Category B courses, these are the only courses that can be included in the ATAR calculations.

Bachelor degree

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

Bonus points

Points allocated to an applicant by an institution (eg subject bonus points) and used in addition to the applicant's ATAR to increase their selection rank for a particular course preference. They do not change the applicant's ATAR.

Category A courses

ATAR courses that have the academic rigour and depth of knowledge to provide an adequate background for tertiary studies and can contribute to the ATAR calculation.

Category B courses

ATAR courses that don't provide an adequate background for tertiary studies, but can contribute to the ATAR when combined with Category A courses. No more than two units of Category B courses can be included with the ATAR calculation.

Combined/double/dual degrees

Allow you to complete two degrees in less time than if the two degrees were studied sequentially. Sometimes called vertical degrees.

Course cut-off

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

Deferment

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

Diploma

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

HSC subjects and courses

A subject is a general area of study or a key learning area. A course is a branch of study within a subject. A subject may have several courses. For example, the courses English (Standard), English (Advanced), HSC English Extension 1, HSC English Extension 2 and English as a Second Language are all courses within the subject of English.

Institution

A provider of tertiary study, such as a university or a college.

NSW Education Standards Authority (NESA)

NSW Government authority that sets the core curriculum for Kindergarten to Year 12, sets guidelines for school assessment tasks, and sets, organises and marks the HSC examinations for government and non-government schools in NSW. Previously called the Board of Studies, Teaching and Educational Standards NSW.

Open days

Open days are set aside for prospective students to visit a campus to view the facilities and meet academic staff and students.

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 course 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.

Prerequisites

A specified NSW HSC course or equivalent that you need to have completed, or achieved a specified standard in, before you are eligible to be offered a place in the tertiary course (course prerequisites) or a subject within that course (subject prerequisites).

Recommended studies

Year 12 courses that an institution suggests will help you in your chosen university course. If you haven't studied these courses your chances of selection are not affected. However, if you have studied these courses you will be better prepared for your chosen tertiary course.

Undergraduate course

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

Universities Admissions Centre (UAC)

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

55.25
78.90
95.00

All about the HSC and the ATAR

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

The NSW HSC

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

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

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

Most courses are two units and to qualify for an HSC at least six units must be in courses examined by the NSW Education Standards Authority (NESA).

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

Courses

ATAR courses

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

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

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

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

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

HSC Board Developed courses that will be examined in 2019 are listed in the table on pages 30–31.

Other courses

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

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

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

Distance education

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

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

The ATAR

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

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

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

UAC notifies NSW HSC students of their ATAR. Year 12 students can access their ATAR on UAC's website or the My UAC app in December.

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

These ATAR courses must include:

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

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

Satisfactorily completing a course

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

- followed the course developed or endorsed by 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 total more than 50 per cent of the available school assessment marks for that course.

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

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

How the ATAR is calculated

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

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

Limited ATAR

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



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

ATAR myths

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

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

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

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

The only way to maximise your ATAR is to:

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

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



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

The ATAR in the ACT

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

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

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

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

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

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

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

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

ACT subjects comparable to NSW HSC subjects

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



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

Applying to uni

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

For most courses, your selection rank is your ATAR plus bonus points (read page 9). Therefore, your selection rank may be higher than your ATAR for certain institutions or courses.

Admission requirements

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

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

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

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

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

- assumed knowledge
- recommended studies.

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

When you're choosing your Year 11 and 12 subjects, use this booklet to find out if there are any admission requirements, assumed knowledge or recommended studies for the course you're interested in. Then, when you apply for tertiary study at the end of Year 12, you'll be able to meet any entry requirements to the course and have the foundations for successful tertiary study. There is more information about admission requirements on page 32.

Requirements for teaching



For registration as a teacher in NSW schools, graduates will need to meet requirements set out by the NSW Education Standards Authority (NESA). There is an expectation that students entering teaching programs will have achieved a minimum of three Band 5s, one of which must be in English, in their HSC. Other approved pathways for students

who do not meet this requirement are available. In addition, teaching students will need to pass national literacy and numeracy tests before graduation. For further information about the tests and specific entry requirements (including academic and non-academic criteria), check with individual institutions.

International Baccalaureate

If you attempt the International Baccalaureate (IB) Diploma or Bilingual Diploma in Australia they are recognised as equivalent to an Australian Year 12 qualification for admission to tertiary institutions in Australia.

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

On UAC's website you can view a table showing the conversion of the IB aggregate score to the UAC rank and a table that compares IB results with NSW HSC results.

You can also check which NSW HSC subjects are considered comparable to your IB subjects.

You may need to know how your IB subjects compare to NSW HSC subjects to check that you meet any course prerequisites, assumed knowledge and recommended

studies, and also if you'll be eligible for bonus points for specific courses.

You'll find the tables at uac.edu.au/undergraduate/admission/ib.shtml.



Selection rank

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

Cut-offs

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

The cut-off includes bonus points, so it is not necessarily the ATAR required for entry to the course, and applicants with ATARs below the course cut-off can receive offers to the course.

Also, the cut-off is not a reflection of the difficulty or quality of a course.

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



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

Bonus points

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

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

- regional bonus points
- subject bonus points.

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

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

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

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

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



For more information about bonus points, visit UAC's website at uac.edu.au/atar/bonus-points.

Educational Access Schemes

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



For more information about EAS, visit UAC's website at uac.edu.au/eas.

Need to know more?

Careers advisers, teachers and parents

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

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

NSW Education Standards Authority (NESA): educationstandards.nsw.edu.au

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

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

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

Year 10 students

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



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

FAQ about the ATAR



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

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

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



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

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



What should I remember if I have to change schools?

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

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

The most important thing for Year 11 students to consider is whether they will still be eligible for an ATAR if they drop any courses. Remember, to be eligible for an ATAR, students must satisfactorily complete at least 10 units of ATAR courses in Year 12, including:

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

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

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

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

? *Can I accelerate my HSC studies?*

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

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

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

Courses are scaled in the year you complete them and the scaled mark is available for inclusion in the ATAR calculation when you become ATAR eligible. You are ranked with others in the same ATAR cohort.

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

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

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

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

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

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

Not necessarily. While you may achieve a higher position in lower level maths, that course will tend to have a lower scaled mean to counteract the higher position. You should do the level of maths that suits your ability and future plans. Also remember that bonus points are more likely to be awarded for the higher level maths courses.

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

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

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

? *Why do some courses scale better than others?*

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

? *Can I be disadvantaged by the school I attend?*

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

? *Can I be disadvantaged by where I live?*

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

? *Can I get a better ATAR by studying more units?*

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

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

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

? *Can certain courses increase my ATAR?*

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

? *How do I find out my ATAR?*

ATARs are released on UAC's website and the My UAC app. Students log in to receive their ATAR.

? *When is the ATAR released?*

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

? *How do ACT students find out about the ATAR?*

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

? *Do ATARs include bonus points?*

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

? *What is a cut-off?*

The cut-off for a course is the minimum selection rank needed by most Year 12 applicants for selection into a course. It is not an 'ATAR cut-off'. Cut-offs include bonus points and are determined by the institutions. They are not a reflection of the difficulty of courses. The cut-offs for courses in a particular year are only known after offers are made. Therefore, UAC publishes the previous year's cut-offs.

? *Does UAC have an ATAR calculator?*

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

? *What happens if a course is repeated?*

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

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

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



Step 1: Consider

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

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

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

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

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

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

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

You might want to start with the following questions.

Who inspires you?

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

This could be a person:

- your mum or dad
- other family members
- teachers
- neighbours or friends and their families

- someone prominent in public life like a community or church leader, politician or sportsperson.

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

- a 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:

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

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

Fred and Laura

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

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

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

Fred also enjoys playing on his computer; he particularly likes a stock market game that he plays with his friends. Fred's dad

is in business for himself and he's been helping Fred beat his mates. Fred also likes photography and a couple of his football photos have been in the local paper.

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

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

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



What are you good at?

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

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

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

The table on pages 19–23 will help link your interests to possible careers and subject choices.

Who can you talk to?

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

- Talk with your parents and family about their career choices.
- Talk to your teachers – they know your abilities and can give you suggestions about careers that may suit you.
- Talk to friends about what they're interested in, and what they've found out that they can share with you.

- Organise your own work experience – volunteer to work somewhere for a week to see if you enjoy it.
- Get a part-time job – it will give you a taste of what it's like to be in the workforce.
- Visit careers expos and uni open days (refer to the list of open days on page 2 of this booklet).
- Use the undergraduate course search on UAC's website or in the My UAC app, where you only need a keyword, like 'music' or 'chemistry', to search more than 2,000 tertiary courses.

You can also browse courses in the UAC Guide. Copies are available from your careers adviser, school library or UAC. (Year 12 students receive a copy through their school in July.)

- Contact the institutions you're interested in and talk to them about your options. You can start by looking at their websites.

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



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

Brainstorming

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

Fred and Laura

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

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

The table 'What are my options?' on pages 19–23 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, Mathematics, Personal Development, Health and Physical Education (PDHPE), Physics and Modern History.

Business, Commerce, Economics, Marketing and Management

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

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

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

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

The table 'What are my options?' on pages 19–23 shows some options for Laura in the following areas:

Earth and Environmental Sciences

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

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

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

Creative and Performing Arts

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

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

In addition to English, for her HSC she could study Dance, Design and Technology, Drama, Music, Software Design and Development, Textiles and Design, Visual Arts and Entertainment Industry (B).



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

Worksheet 1

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

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

Who am I?

What am I interested in?

My personal qualities are...

My skills are...

eg writing, listening, drawing, solving problems

Who inspires me? Why?

Who can I talk to?

Three people I could talk to about my choices

Worksheet 2

The next step is to write below the areas of study you matched in Worksheet 1 using the 'What are my options?' table on pages 19–23. Then work your way across the sheet, filling in each column from the information in the table.

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

Interests

Qualities

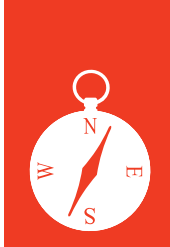
Skills

Areas of study that match my interests, qualities and skills

What careers use those skills?

What courses could I study?

What subjects could I choose for Years 11 and 12?



Step 2: Explore

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

What are my options?

Using the worksheets on pages 16–17, the following table will help you map your interests, qualities and skills to careers, areas of tertiary study and HSC subjects. (Category B courses are identified with a *B*.)

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

KEY TO ABBREVIATED INSTITUTION NAMES			
ACAP	Australian College of Applied Psychology	SCU	Southern Cross University
ACU	Australian Catholic University	SIBT	Sydney Institute of Business and Technology
AMC	Australian Maritime College	TOP	Top Education Institute
ANU	Australian National University	TUA	Torrens University Australia
CQU	CQUniversity	UC	University of Canberra
CSU	Charles Sturt University	UNE	University of New England
GU	Griffith University	UNSW	UNSW Sydney
ICMS	International College of Management, Sydney	UNSW-ADFA	UNSW Canberra at the Australian Defence Force Academy
LTU	La Trobe University		
MC	Macleay College	UON	University of Newcastle
MIT	MIT Sydney	UOW	University of Wollongong
MQ	Macquarie University	USYD	University of Sydney
NAS	National Art School	UTS	University of Technology Sydney
SAE	SAE Creative Media Institute	WS	Western Sydney University

My interests, qualities and skills	Careers that use my interests, qualities and skills	Courses I could study	Subjects I could choose for Years 11 and 12
Agriculture, Rural Studies and Animal Science			
<p><i>I'm interested in ...</i> the land, the environment, crop growing, farming, plants, animals, animal welfare</p> <p><i>I'm ...</i> observant, confident with animals, organised, good with detail, patient</p> <p><i>... and I'm good at ...</i> making things, planning, maths, technical drawing, manual work, working with animals</p>	<p><i>I could be an ...</i> animal handler, conservation manager, farmer, grazier, horticulturist, land manager, produce manager, stud manager/trainer, veterinarian, winemaker, wool classer</p>	<p><i>I could study ...</i> agribusiness, agricultural science, animal production science, crop production, equine science and horse management, horticulture, farm and land management, plant pathology, post-harvest technology, veterinary science, viticulture and wine science, wool science, zoology</p>	<p><i>... and I could choose these subjects for Years 11 and 12 ...</i> Agriculture, Biology, Chemistry, Earth and Environmental Science, Geography, Mathematics, Physics, Primary Industries (B)</p>
Where can I study? AMC, CQU, CSU, LTU, UNE, USYD, WS			
Architecture, Building, Design and Planning			
<p><i>I'm interested in ...</i> how things work, cityscapes, buildings, building design, architecture, gardens, landscapes</p> <p><i>I'm ...</i> artistic, imaginative, organised, good with detail, creative, orderly, conscientious</p> <p><i>... and I'm good at ...</i> making things, coming up with original ideas, drawing, designing, solving problems</p>	<p><i>I could be an ...</i> architect, building manager, construction manager, environmental planner, estimator, industrial designer, interior designer, landscaper, property valuer, surveyor</p>	<p><i>I could study ...</i> construction economics, construction/project management, construction technology, fashion design, industrial design, interior design, landscape architecture, property management, quantity surveying</p>	<p><i>... and I could choose these subjects for Years 11 and 12 ...</i> Design and Technology, Engineering Studies, Industrial Technology, Mathematics, Physics, Visual Arts, Construction (B)</p>
Where can I study? CQU, GU, ICMS, MQ, SCU, TUA, UC, UNE, UNSW, UON, USYD, UTS, WS			
Arts and Humanities			
<p><i>I'm interested in ...</i> current affairs, social issues, politics, world events, languages, writing and literature, religions and cultures, history</p> <p><i>I'm ...</i> artistic, creative, adventurous, conscientious, efficient, industrious, resourceful, imaginative</p> <p><i>... and I'm good at ...</i> creative writing, debating, languages, solving problems, thinking critically, using technology</p>	<p><i>I could be an ...</i> anthropologist, archaeologist, archivist, gallery curator, historian, foreign affairs officer, government policy officer, journalist, producer, language specialist, media officer, researcher, social researcher, marketing manager, analyst, translator or interpreter</p>	<p><i>I could study ...</i> Aboriginal studies, archaeology, Asian studies, cinema studies, English, modern/ancient history, international studies, languages, literature, philosophy, political science, psychology, religious studies, sociology, theology, women's studies, media, communications, publishing</p>	<p><i>... and I could choose these subjects for Years 11 and 12 ...</i> Aboriginal Studies, English (Advanced), Geography, History, International Studies, languages, Religion, Social Sciences, Society and Culture, Textiles and Design, Visual Arts</p>
Where can I study? ACAP, ACU, ANU, CQU, CSU, GU, LTU, MQ, SCU, TUA, UC, UNE, UNSW, UNSW-ADFA, UON, UOW, USYD, UTS, WS			
Business, Commerce, Economics, Marketing and Management			
<p><i>I'm interested in ...</i> politics, economics, business, international affairs, current affairs, finance and banking, statistics, accounting</p> <p><i>I'm ...</i> good with money, ethical, organised, persuasive, independent, outgoing</p> <p><i>... and I'm good at ...</i> leadership, mathematics, solving problems, showing initiative, critical thinking, logical thinking, negotiating</p>	<p><i>I could be an ...</i> accountant, auditor, banker, business adviser, business analyst, business consultant, economist, entrepreneur, financial analyst, financial planner, human resources manager, project manager, marketing specialist, stockbroker</p>	<p><i>I could study ...</i> accounting, actuarial studies, agribusiness, banking, business, e-commerce, financial advising, human resource management, industrial relations, international relations, management, marketing, statistics</p>	<p><i>... and I could choose these subjects for Years 11 and 12 ...</i> Business Studies, Economics, English, languages, Mathematics, Society and Culture, Business Services (B), Financial Services (B), Human Services (B), Retail Services (B)</p>
Where can I study? ACU, AMC, ANU, CQU, CSU, GU, ICMS, LTU, MC, MIT, MQ, SCU, SIBT, TOP, TUA, UC, UNE, UNSW, UNSW-ADFA, UON, UOW, USYD, UTS, WS			

My interests, qualities and skills	Careers that use my interests, qualities and skills	Courses I could study	Subjects I could choose for Years 11 and 12
Communications and Media Studies			
<p><i>I'm interested in ...</i> current affairs, literature, popular culture, social media, world events, politics</p> <p><i>I'm ...</i> a good communicator, organised, imaginative, persuasive, creative, resourceful, an independent worker</p> <p><i>... and I'm good at ...</i> writing, public speaking, debating, thinking creatively, motivating people, analytical thinking, using initiative</p>	<p><i>I could be an ...</i> advertising account manager, commentator, editor, filmmaker, journalist, marketing manager, media officer, multimedia designer, presenter, producer, public relations manager</p>	<p><i>I could study ...</i> advertising, film, information management, journalism, production, multimedia, television, radio, video, writing</p>	<p><i>... and I could choose these subjects for Years 11 and 12 ...</i> English, History, Society and Culture, Visual Arts, Entertainment Industry (B)</p>
<p>Where can I study? ACU, ANU, CQU, CSU, GU, ICMS, LTU, MC, MQ, SAE, SCU, SIBT, TUA, UC, UNE, UNSW, UON, UOW, USYD, UTS, WS</p>			
Creative and Performing Arts			
<p><i>I'm interested in ...</i> theatre, fashion, popular culture, music, photography, drawing, painting, graphic design, creating things, research</p> <p><i>I'm ...</i> creative, good with detail, imaginative, organised, a good communicator, an independent worker, outgoing</p> <p><i>... and I'm good at ...</i> dancing, acting, performing, making things, playing an instrument, writing, photography, working things (technical skills), solving problems, using initiative, writing</p>	<p><i>I could be an ...</i> animator, artist, cartoonist, composer, fashion designer, film director, illustrator, journalist, multimedia designer, graphic designer, musician, photographer, producer, song writer, teacher, writer</p>	<p><i>I could study ...</i> animation, creative writing, fashion, fine arts, graphic design, illustration, music, photography, theatre studies, visual arts, journalism</p>	<p><i>... and I could choose these subjects for Years 11 and 12 ...</i> English, Dance, Design and Technology, Drama, Music, Software Design and Development, Textiles and Design, Visual Arts, Entertainment Industry (B)</p>
<p>Where can I study? ACU, ANU, CSU, GU, LTU, MC, MQ, NAS, SAE, SCU, UC, UNE, UNSW, UON, UOW, USYD, UTS, WS</p>			
Earth and Environmental Sciences			
<p><i>I'm interested in ...</i> being outdoors, the environment, nature, oceans, marine life, volcanoes, weather, waterways, diving, animals, bushwalking, science</p> <p><i>I'm ...</i> good with detail, organised, observant, resourceful</p> <p><i>... and I'm good at ...</i> mathematics, design, science, working alone, working outdoors, critical thinking, solving problems</p>	<p><i>I could be an ...</i> environmental scientist, conservationist, forestry worker, fisheries manager, marine conservation officer, environmental officer, food and drug safety officer, resource manager, environmental planner, urban planner</p>	<p><i>I could study ...</i> climate change, conservation studies, environmental rehabilitation studies, food sustainability, forestry, geography (human and physical), geology, geophysics, marine resource and environmental management, spatial science, sustainability</p>	<p><i>... and I could choose these subjects for Years 11 and 12 ...</i> Biology, Chemistry, Design and Technology, Earth and Environmental Science, Mathematics, Physics, Senior Science, Society and Culture</p>
<p>Where can I study? ACU, AMC, ANU, CQU, CSU, GU, LTU, MQ, SCU, UC, UNE, UNSW, UON, UOW, USYD, UTS, WS</p>			
Education and Teaching			
<p><i>I'm interested in ...</i> helping others, being outdoors, social equality, teaching and learning, school, children</p> <p><i>I'm ...</i> active, a good communicator, patient, creative, organised, outgoing</p> <p><i>... and I'm good at ...</i> time management, leadership, English, maths, planning, presentation, thinking critically</p>	<p><i>I could be a ...</i> primary teacher, secondary teacher, early childhood teacher, corporate trainer, community educator</p>	<p><i>I could study ...</i> adult education, community education, early childhood teaching, human resource development, organisational learning, primary teaching, secondary teaching curriculum areas</p>	<p><i>... and I could choose these subjects for Years 11 and 12 ...</i> Biology, Chemistry, English, Geography, History, languages, Mathematics, Personal Development, Health and Physical Education (PDHPE), Physics, Society and Culture</p>
<p>Where can I study? ACU, CSU, GU, LTU, MQ, SCU, TUA, UC, UNE, UNSW, UON, UOW, USYD, UTS, WS</p>			

My interests, qualities and skills	Careers that use my interests, qualities and skills	Courses I could study	Subjects I could choose for Years 11 and 12
Engineering			
<p><i>I'm interested in ...</i> maths, science, construction, electronics, computers, programming, mechanics, how things work, robotics</p> <p><i>I'm ...</i> organised, creative, good with detail, technically minded, patient, persistent, resourceful, analytical</p> <p><i>... and I'm good at ...</i> drawing, planning, computing, leadership, designing, solving problems</p>	<p><i>I could be a ...</i> civil engineer, electrical engineer, chemical or materials engineer, industrial engineer, manufacturer, mechanical engineer, production engineer, construction manager</p>	<p><i>I could study ...</i> civil, computer, construction, electrical, environmental or mechanical engineering, engineering mechatronics, robotics, science, surveying, telecommunications</p>	<p><i>... and I could choose these subjects for Years 11 and 12 ...</i> Chemistry, Engineering Studies, Mathematics, Physics, Automotive (B), Construction (B), Electrotechnology (B), Information and Digital Technology (B), Metal and Engineering (B)</p>
Where can I study?		AMC, ANU, CQU, CSU, GU, LTU, MQ, SCU, SIBT, UC, UNSW, UNSW-ADFA, UON, UOW, USYD, UTS, WS	
Health Sciences			
<p><i>I'm interested in ...</i> health, nutrition, food, how the body works, people, science, alternative medicines, helping others</p> <p><i>I'm ...</i> caring, curious, dependable, patient, a good communicator, critical thinker, organised, observant, open minded, good with people</p> <p><i>... and I'm good at ...</i> leadership, fine motor skills, solving problems, working with others, time management, listening, thinking critically, motivating people</p>	<p><i>I could be an ...</i> ambulance officer, a paramedic, podiatrist, radiographer, occupational therapist, chiroprapist, chiropractor, dentist, doctor, physiotherapist, speech therapist, audiologist, sonographer, community health worker, nurse, medical researcher, medical scientist, health researcher, nutritionist, dietitian, food researcher, oral health therapist, beauty therapist, pharmacist, data scientist</p>	<p><i>I could study ...</i> biomedical sciences, chiropractic science, Chinese medicine, clinical science, dental science, medical imaging, medical laboratory science, naturopathy, nuclear medicine, nutrition and dietetics, occupational therapy, osteopathy, physiotherapy, podiatry, radiography, speech therapy, beauty therapy, oral health, pharmacology, digital health and analytics, global health</p>	<p><i>... and I could choose these subjects for Years 11 and 12 ...</i> Biology, Chemistry, Community and Family Studies, Food Technology, Personal Development, Health and Physical Education (PDHPE), Mathematics, Physics</p>
Where can I study?		ACAP, ACU, ANU, CQU, CSU, GU, LTU, MQ, SCU, TUA, UC, UNE, UNSW, UON, UOW, USYD, UTS, WS	
Human Movement and Sport Sciences			
<p><i>I'm interested in ...</i> sport, coaching, fitness and exercise, how the body works, nutrition, biology, health, helping others, being outdoors</p> <p><i>I'm ...</i> a good communicator, patient, observant, organised, enthusiastic, supportive, persuasive, fit and healthy, confident, outgoing</p> <p><i>... and I'm good at ...</i> sports, public speaking, leadership, motivating others, fine motor skills, solving problems, teaching others, science</p>	<p><i>I could be a ...</i> disease prevention educator, exercise scientist, fitness counsellor, fitness trainer, exercise rehabilitation worker, exercise physiologist, medical scientist, medical researcher, occupational therapist, sport scientist, sports coach, personal trainer, teacher</p>	<p><i>I could study ...</i> exercise physiology, exercise science, sports coaching, sports journalism, sports management, sports psychology, anatomy and physiology, psychology</p>	<p><i>... and I could choose these subjects for Years 11 and 12 ...</i> Biology, Chemistry, Mathematics, Personal Development, Health and Physical Education (PDHPE), Physics</p>
Where can I study?		ACU, CQU, CSU, GU, ICMS, SCU, TUA, UC, UNE, UNSW, UON, UOW, USYD, UTS, WS	
Information Technology and Information Systems			
<p><i>I'm interested in ...</i> computers, internet, web technologies, social media, electronics, programming, designing</p> <p><i>I'm ...</i> organised, orderly, good with detail, persistent, level headed, happy to work alone</p> <p><i>... and I'm good at ...</i> computing, using technology, maths, solving problems, thinking logically, thinking creatively, making decisions</p>	<p><i>I could be a ...</i> systems analyst, software developer, computer programmer, IT consultant, graphic designer, game designer, web designer, digital media producer, filmmaker, illustrator, photographer, visual effects artist</p>	<p><i>I could study ...</i> computing, computer science, electronics, information systems, information technology, programming, software engineering</p>	<p><i>... and I could choose these subjects for Years 11 and 12 ...</i> Business Studies, Design and Technology, Mathematics, Information Processes and Technology, Information and Digital Technology (B), Software Design and Development</p>
Where can I study?		ACU, ANU, CQU, CSU, GU, LTU, MIT, MQ, SAE, SCU, SIBT, UC, UNE, UNSW, UNSW-ADFA, UON, UOW, USYD, UTS, WS	

My interests, qualities and skills	Careers that use my interests, qualities and skills	Courses I could study	Subjects I could choose for Years 11 and 12
Law			
<p><i>I'm interested in ...</i> research, justice, fairness, equality, current affairs, politics, helping others</p> <p><i>I'm ...</i> outgoing, organised, observant, open minded, persistent, persuasive</p> <p><i>... and I'm good at ...</i> debating, public speaking, writing, researching, evaluating information, negotiating, logical thinking</p>	<p><i>I could be a ...</i> legal adviser, legal officer, legal researcher, politician, police officer, barrister, solicitor, judge, magistrate</p>	<p><i>I could study ...</i> law, conveyancing, justice studies, legal studies, paralegal studies, political studies</p>	<p><i>... and I could choose these subjects for Years 11 and 12 ...</i> Business Studies, Economics, English, Legal Studies, Society and Culture</p>
Where can I study?		ACU, ANU, CQU, CSU, GU, LTU, MQ, SCU, TOP, UC, UNE, UNSW, UON, UOW, USYD, UTS, WS	
Medical Sciences and Medicine			
<p><i>I'm interested in ...</i> the environment, health, nutrition, how the body works, people, science, alternative medicines, helping others, research, experimenting</p> <p><i>I'm ...</i> caring, patient, a good communicator, inventive, curious, organised, good with detail, observant</p> <p><i>... and I'm good at ...</i> leadership, fine motor skills, time management, making decisions, problem solving, working with others, listening</p>	<p><i>I could be a ...</i> doctor, biomedical engineer, chiropractor, forensic officer, genetic counsellor, medical researcher, pathologist, pharmacist, biochemist, laboratory technician, radiologist, sonographer</p>	<p><i>I could study ...</i> health sciences, biomedical sciences, medicine, nanotechnology, optometry, pharmacy</p>	<p><i>... and I could choose these subjects for Years 11 and 12 ...</i> Biology, Chemistry, Mathematics, Physics, Community and Family Services, Senior Science</p>
Where can I study?		ACU, ANU, CQU, CSU, GU, MQ, SCU, UC, UNE, UNSW, UON, UOW, USYD, UTS, WS	
Nursing and Midwifery			
<p><i>I'm interested in ...</i> healthcare, helping others, how the body works, people, science, mothers and babies, childbirth</p> <p><i>I'm ...</i> caring, kind, a good communicator, dependable, supportive, responsible, tolerant, patient, organised</p> <p><i>... and I'm good at ...</i> using initiative, teamwork, working with others, listening</p>	<p><i>I could be a ...</i> nurse, midwife, surgical nurse, paediatric nurse, aged care nurse, community health nurse, disability care nurse, critical care nurse, nurse educator, health administrator, occupational health nurse, Indigenous health nurse, mental health nurse, pharmaceutical sales rep, social and health policy officer</p>	<p><i>I could study ...</i> nursing, health sciences, midwifery, behavioural and social sciences, Indigenous culture, primary healthcare medical/surgical nursing, perioperative nursing, high-dependency nursing, oncology, palliative care, aged care, paediatrics, maternal and child care, mental health, rehabilitation, community nursing</p>	<p><i>... and I could choose these subjects for Years 11 and 12 ...</i> Biology, Chemistry, Mathematics, Community and Family Services</p>
Where can I study?		ACU, CQU, CSU, GU, LTU, SCU*, UC*, UNE, UON*, UOW, USYD, UTS*, WS* *Includes midwifery	
Science, Applied Science and Technology			
<p><i>I'm interested in ...</i> chemistry, science, the environment, weather patterns, people and communities, marine life, space, astronomy, planes, research, computers, experimenting, animals, nature, psychology, farming</p> <p><i>I'm ...</i> curious, organised, creative, good with detail, observant, resourceful</p> <p><i>... and I'm good at ...</i> solving problems, critical thinking, leadership, mathematics, logical thinking, chemistry, biology</p>	<p><i>I could be a ...</i> researcher, medical marketer, medical advocate, laboratory technician, counsellor, community worker, sports psychologist, field researcher, urban planner, data analyst, geologist, aviation engineer, vet, zookeeper</p>	<p><i>I could study ...</i> agricultural science, applied studies, aviation science, biological science, chemistry, environmental science, equine science, food science or technology, forensics, horticulture, marine science, mathematics, medical science, nanotechnology, physics psychology, statistics, technology, veterinary science, zoology</p>	<p><i>... and I could choose these subjects for Years 11 and 12 ...</i> Biology, Chemistry, Mathematics, Physics, Community and Family Services, Senior Science</p>
Where can I study?		ACAP, ACU, AMC, ANU, CQU, CSU, GU, LTU, MQ, SCU, TUA, UC, UNE, UNSW, UNSW-ADFA, UON, UOW, USYD, UTS, WS	

My interests, qualities and skills	Careers that use my interests, qualities and skills	Courses I could study	Subjects I could choose for Years 11 and 12
Social Sciences			
<p><i>I'm interested in ...</i> people and communities, world events, current affairs, politics, health, social responsibility, immigration, policing, justice, fairness, working with people, helping others</p> <p><i>I'm ...</i> organised, a good communicator, curious, resourceful, fair, helpful</p> <p><i>... and I'm good at ...</i> critical thinking, making decisions, solving problems</p>	<p><i>I could be an ...</i> occupational therapist, community care officer, social worker, vocational guidance counsellor, welfare support officer, welfare worker, legal practitioner</p>	<p><i>I could study ...</i> behavioural science, commerce, criminology, geography, policing, policy studies, social ecology, sociology</p>	<p><i>... and I could choose these subjects for Years 11 and 12 ...</i> Community and Family Studies, English, Legal Studies, Modern History, Economics, Geography, Mathematics, Society and Culture</p>
Where can I study?		ACAP, ACU, ANU, CQU, CSU, GU, LTU, MQ, SCU, UC, UNE, UNSW, UON, UOW, USYD, UTS, WS	
Social Work and Welfare			
<p><i>I'm interested in ...</i> people and cultures, health, social responsibility, fairness, helping others</p> <p><i>I'm ...</i> organised, caring, a good communicator, curious, resourceful, fair, helpful</p> <p><i>... and I'm good at ...</i> critical thinking, making decisions, solving problems</p>	<p><i>I could be a ...</i> community care officer, social worker, welfare support officer, welfare worker, aged care worker, disability officer, migrant welfare officer, child protection officer, youth worker</p>	<p><i>I could study ...</i> social work, children and young people, ageing, health and disability, Indigenous studies, social policy, sociology, psychology, social research, research skills, youth work</p>	<p><i>... and I could choose these subjects for Years 11 and 12 ...</i> Economics, English, Modern History, Society and Culture, Mathematics</p>
Where can I study?		ACAP, ACU, CQU, CSU, GU, LTU, SCU, UNE, UNSW, UON, UOW, USYD, WS	
Tourism, Hospitality and Event Management			
<p><i>I'm interested in ...</i> travel, people and cultures, world events, languages, helping others, being outdoors, being active</p> <p><i>I'm ...</i> organised, good with detail, a good communicator, confident, patient, persistent, sincere, friendly, flexible, punctual</p> <p><i>... and I'm good at ...</i> languages, leadership, planning, serving customers, solving problems, working with people from diverse backgrounds</p>	<p><i>I could be a ...</i> tour operator, event manager, hotel manager, travel consultant, resort manager, environmental planner, restaurateur</p>	<p><i>I could study ...</i> event management, hotel management, leisure studies, recreational management and planning, tourism management, sport management</p>	<p><i>... and I could choose these subjects for Years 11 and 12 ...</i> Economics, English, languages, Mathematics, Society and Culture, Hospitality (B), Tourism, Travel and Events (B)</p>
Where can I study?		ACU, CQU, CSU, GU, ICMS, MC, SCU, SIBT, TUA, UC, UON, UOW, UTS, WS	



Step 3: Decide

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

HSC subjects and courses

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

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

If you want to study at uni but still can't decide on a course, choose subjects that 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, Senior Science, Ancient History and Modern History). You would then be prepared for further study in either subject. Keep your options flexible so that when you are more sure about what you want to do, you're already on the way to getting there.

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

Fred and Laura

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

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

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

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



Fred and Laura

With his main areas of interest being sport and business, Fred has looked at a couple of courses in these areas at some of the universities in his city and checked to see if there are prerequisites, assumed knowledge, recommended studies or any additional selection criteria. Fred has found that if he were to apply for a degree in sport or exercise management he would need to have

Mathematics and any two units of English as assumed knowledge. Luckily, he has chosen Mathematics, and English is on his list because it's compulsory.

Laura has checked with the institution in her area about a degree in agriculture. It advises Biology and/or Chemistry as recommended studies with Mathematics as

assumed knowledge. Laura has chosen both Biology and Mathematics so she is well prepared if she goes on to study this course.



Requirements

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

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

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

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

Choosing courses

Category A courses

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

English

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

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

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

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

Mathematics

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

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

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

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

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

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

Languages (other than English)

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

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

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

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

Ancient History, Economics, Geography, Modern History

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

Music

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

Visual Arts

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

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

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

Category B courses

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

Courses that don't contribute to the ATAR

- Fundamentals of English
- Mathematics General 1
- HSC-University Pathways program

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Subject choice examples

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

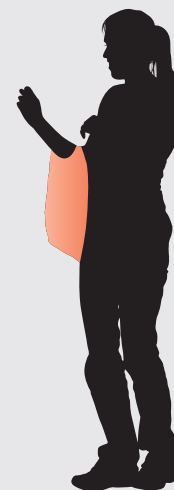
First, let's look at Fred and Laura's subject choices.

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



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

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



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



At the end of Year 11, Trevor decided to drop Chemistry and Biology and take on HSC Mathematics Extension 2 and HSC English Extension 2.

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

Trevor's new pattern of study now looks like this:

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

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

First, only up to 4 units of maths can be included in the ATAR calculation. So taking Mathematics, HSC Mathematics Extension 1 and HSC Mathematics Extension 2 means 2-unit Mathematics will no longer be available for Trevor's ATAR calculation, even if he excels in it.

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

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

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

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



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

Tips for Year 10s choosing their HSC courses

01 

Choose what you're good at, interested in and which will lay a foundation for your future plans.

02 

Choose HSC courses best *suited to your ability*. *Don't choose courses just because of scaling* or because you think they will give you a better ATAR.

03 

Make the link between your choice now and where you want to go after Year 12.

04 

Check if the uni you want to go to (and/or the course you want to do) has prerequisites and assumed knowledge – this booklet has all this info.

05 

If you want to get an ATAR, make sure you will be eligible.

06 

Depending on what you study, marks around 70 in the HSC could lead to an ATAR in the 50s, while marks closer to 80 could lead to an ATAR of 80. This is because most students have marks between 70 and 80 so when you are ranked that group really spreads out.

07 

If you are getting marks in the 70s *do whatever you can to get closer to 80* – it will make a big difference to your ATAR.

08 

Remember that *unis award bonus points for your performance* in particular HSC courses, and usually for Bands 4 and above.

09 

If you're not sure what level maths and English to take, *choose the level that suits your ability and future plans*. You will not necessarily get a higher ATAR just by studying a lower level course, and unis don't always give bonus points for the lower level courses, no matter how well you do. Also check prerequisites in case you need to get a certain performance band.

10 

To maximise your ATAR you have to make good choices about what to study, work to the best of your ability and work towards your goals for life after school.

HSC Board Developed courses to be examined in 2019

Category A courses

Note: Some course names may change as a result of the Stronger HSC Reforms. For further information and updates, visit the NESA website at educationstandards.nsw.edu.au

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

Number	Course name	Unit value	Subject area
Languages			
15500	Arabic Beginners	2	Arabic
15510	Arabic Continuers	2	Arabic
15520	HSC Arabic Extension	1	Arabic
15530	Armenian Continuers	2	Armenian
15540	Chinese Beginners	2	Chinese
15550	Chinese Continuers	2	Chinese
15557	Chinese in Context	2	Chinese
15565	Chinese and Literature	2	Chinese
15570	HSC Chinese Extension	1	Chinese
15580	Classical Greek Continuers	2	Classical Greek
15590	HSC Classical Greek Extension	1	Classical Greek
15600	Classical Hebrew Continuers	2	Classical Hebrew
15610	HSC Classical Hebrew Extension	1	Classical Hebrew
15620	Croatian Continuers ⁴	2	Croatian
15640	Dutch Continuers	2	Dutch
15660	Filipino Continuers	2	Filipino
15670	French Beginners	2	French
15680	French Continuers	2	French
15690	HSC French Extension	1	French
15700	German Beginners	2	German
15710	German Continuers	2	German
15720	HSC German Extension	1	German
15730	Hindi Continuers	2	Hindi
15740	Hungarian Continuers	2	Hungarian
15750	Indonesian Beginners	2	Indonesian
15760	Indonesian Continuers	2	Indonesian
15767	Indonesian in Context	2	Indonesian
15775	Indonesian and Literature ⁵	2	Indonesian
15780	HSC Indonesian Extension	1	Indonesian
15790	Italian Beginners	2	Italian
15800	Italian Continuers	2	Italian
15810	HSC Italian Extension	1	Italian
15820	Japanese Beginners	2	Japanese
15830	Japanese Continuers	2	Japanese
15837	Japanese in Context	2	Japanese
15845	Japanese and Literature	2	Japanese
15850	HSC 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	HSC Latin Extension	1	Latin
15940	Macedonian Continuers ⁴	2	Macedonian
15950	Malay Background Speakers ⁵	2	Malay

Number	Course name	Unit value	Subject area
15960	Maltese Continuers	2	Maltese
15970	Modern Greek Beginners	2	Modern Greek
15980	Modern Greek Continuers	2	Modern Greek
15990	HSC Modern Greek Extension	1	Modern Greek
16000	Modern Hebrew Continuers	2	Modern Hebrew
16010	Persian Background Speakers	2	Persian
16020	Polish Continuers	2	Polish
16030	Portuguese Continuers	2	Portuguese
16035	Punjabi Continuers	2	Punjabi
16045	Russian Continuers	2	Russian
16050	Serbian Continuers ⁴	2	Serbian
16070	Spanish Beginners	2	Spanish
16080	Spanish Continuers	2	Spanish
16090	HSC Spanish Extension	1	Spanish
16100	Swedish Continuers	2	Swedish
16110	Tamil Continuers	2	Tamil
16120	Turkish Continuers	2	Turkish
16130	Ukrainian Continuers	2	Ukrainian
16140	Vietnamese Continuers	2	Vietnamese

Category B courses

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

Notes

1. You can study both Ancient History and Modern History, but there is only one HSC History Extension course. It is considered a course within the subject of either Modern History or Ancient History.
2. You must study Music 2 if you wish to study HSC Music Extension.
3. You may study either Studies of Religion I or Studies of Religion II, but not both.
4. You may study only one of the following languages: Croatian continuers, Macedonian continuers, Serbian continuers.
5. You can only count either Malay Background Speakers or Indonesian and Literature in your pattern of study.
6. An optional HSC written examination is offered for students who complete the 240-hour HSC indicative course. If you want the results from this course to be available for inclusion in the calculation of your ATAR, subject to ATAR rules (read pages 6–7), you must undertake the optional written examination. Other VET courses available in this subject area are not examinable. Check with your school or the NESA website at educationstandards.nsw.edu.au for more information.
7. An optional HSC written examination is offered for students who complete the 240 or 360 HSC indicative hour course. If you want the results from this course to be available for inclusion in the calculation of your ATAR, subject to ATAR rules, you must undertake the optional written examination. Other VET courses available in this subject area are not examinable.
8. The unit value of this course changes depending on whether the course is taken in combination with Mathematics or HSC Mathematics Extension 2. Read 'Mathematics' on page 25.

Board Endorsed courses (Content Endorsed courses)

Board Endorsed courses do not count towards the calculation of the ATAR. However, they may provide valuable experience and knowledge in a specific subject area.

Course name	Unit value	Subject area
Aboriginal Languages	1 or 2	Aboriginal Languages
Ceramics	1 or 2	Ceramics
Computing Applications	1 or 2	Computing Applications
English Studies	2	English Studies
Exploring Early Childhood	1 or 2	Exploring Early Childhood
Marine Studies	1 or 2	Marine Studies
Mathematics General 1	2	Mathematics
Photography, Video and Digital Imaging	1 or 2	Photography, Video and Digital Imaging
Sport, Lifestyle and Recreation Studies	1 or 2	Sport, Lifestyle and Recreation Studies

Course name	Unit value	Subject area
Visual Design	1 or 2	Visual Design
Work Studies	1 or 2	Work Studies

In addition to Content Endorsed courses, students can choose to study Board Endorsed courses developed by schools or universities. These are subject to approval by NESA.

Life Skills courses are also available for students with special education needs.

Part 2

Institution requirements

In this section, UAC's participating institutions have listed the courses they plan to offer in 2020. Under each course they have provided, where relevant, details of the following:

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

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 proper name of the course is stated (eg HSC Mathematics Extension 1). Read pages 30–31 for a list of HSC Board Developed courses.

In some subject areas, more than one course may meet the requirements. When this occurs, institutions have not listed all of the courses they accept, 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 they also accept HSC Mathematics Extension 1 or HSC Mathematics Extension 2, but not Mathematics General 2.

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

Prerequisites

Prerequisites are HSC courses (or equivalent) you must have studied in order to be considered for admission to certain tertiary courses. There are two types of prerequisites.

Course prerequisites

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

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

Subject prerequisites

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

Assumed knowledge

Some institutions assume you have a knowledge of specific HSC courses or equivalent before you begin the course. If you don't have the assumed level of knowledge but do have a suitable ATAR, you may still be selected for the course but have some difficulty coping with your studies.

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

Recommended studies

These are HSC or equivalent subjects or other courses that the institutions suggest will help you in your chosen tertiary course. If you have not studied these HSC courses, your chances of selection are not affected, but you may be offered a bridging course.

Australian Catholic University

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



Enquiries

Strathfield campus (Mt St Mary)

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

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

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

North Sydney campus (MacKillop)

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

in person: Student Centre
40 Edward Street
North Sydney NSW 2060

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

Canberra campus (Signadou)

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

in person: Student Centre
223 Antill Street
Watson ACT 2602

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

READ THIS FIRST

- When you read 'any two 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 that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

ACCOUNTING AND FINANCE

Areas of study: Accounting information systems, auditing, corporate accounting, entrepreneurial finance, financial accounting, financial instruments, financial risk management, management accounting, portfolio management, principles of finance, strategic management accounting
Course prerequisites: Any two units of English

BUSINESS/COMMERCE AND MANAGEMENT

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

APPLIED PUBLIC HEALTH

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

EDUCATION

Early Childhood Education (Birth to Five Years)

Strathfield/North Sydney

Course prerequisites: Any two units of English (Band 4)
Assumed knowledge: Any two units of mathematics (not Mathematics General 2)

Canberra

Assumed knowledge: *ACT*: English (T) (Major), any mathematics (Major) (not Mathematical Applications), any science (T) (Major) *NSW*: English (Advanced), any two units of mathematics (not Mathematics General 2), any two units of science

Education (Early Childhood and Primary)

Education (Primary)

Strathfield/North Sydney

Course prerequisites: Three Band 5 HSC results, including English

Canberra

Assumed knowledge: *ACT*: English (T) (Major), any mathematics (T) (Major) (not Mathematical Applications), any science (T) (Major) *NSW*: English (Advanced), any two units of mathematics (not Mathematics General 2), any two units of science

Inclusive Education and Disability Studies

Areas of study: Community services, disability studies and school education

ARTS

Humanities

Areas of study: Business studies, communications, computing, drama, economics, education studies, geography, graphic design, history, literature, mathematics, philosophy, politics and international relations, psychology, sociology, study of religions, technology (B Teaching/B Arts only), theological studies, visual arts

Course prerequisites: Any two units of English
Assumed knowledge: *For mathematics*: Mathematics
Recommended studies: *For visual arts*: Visual Arts

BIOMEDICAL SCIENCE

Areas of study: Biomedical sciences
Course prerequisites: English (Standard), Mathematics

BUSINESS ADMINISTRATION

Areas of study: Business law, economics, human resource management, international business, managing entrepreneurship and innovation, managing organisational change, marketing, organisational behaviour, strategic management
Course prerequisites: Any two units of English

Secondary – Exercise Science

Canberra

Areas of study*: Business studies, computing, economics, geography, history, modern languages, literature, mathematics, music, study of religions, visual arts

Assumed knowledge: *ACT*: English (T) (Major), any mathematics (T) (Major) (not Mathematical Applications) *NSW*: English (Advanced), any two units of mathematics (not Mathematics General 2)

For mathematics: ACT: Specialist Mathematics (T) (Major/Minor) *NSW*: HSC Mathematics Extension 1

* With the exception of study of religion, all areas of study are completed in partnership with ANU

Secondary – Humanities

Strathfield

Areas of study: Computing, drama, economics, geography, history, literature, mathematics, sociology, study of religions, visual arts

Course prerequisites: Three Band 5 HSC results, including English

Canberra

Areas of study: Business studies, geography, history, humanities, modern languages, literature, mathematics, music, visual arts

Assumed knowledge: *ACT*: English (T) (Major), any mathematics (T) (Major) (not Mathematical Applications) *NSW*: English (Advanced), any two units of mathematics (not Mathematics General 2)

Recommended studies: *ACT*: Any science (T) (Major) *NSW*: Any two units of science

Secondary – Mathematics

Areas of study: Computing, drama, economics/business studies, geography, literature, mathematics, study of religions, visual arts

Course prerequisites: HSC Mathematics Extension 1 plus three Band 5 HSC results, including English

Secondary – Science

Areas of study: Biology, chemistry, earth and environmental science

Course prerequisites: Any two units of mathematics (not Mathematics General 2), any two units of science, plus three Band 5 HSC results, including English

Secondary – Technology

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

Course prerequisites: Three Band 5 HSC results, including English

Secondary – Visual Arts

Areas of study: Business studies, computing, drama, economics, geography, history, literature, mathematics, study of religions, visual arts

Course prerequisites: Three Band 5 HSC results, including English

Recommended studies: Visual Arts

EXERCISE AND SPORTS SCIENCE

EXERCISE SCIENCE*

Areas of study: Exercise and sports science

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

* Only available as a combined degree option – refer to Combined degrees below

GLOBAL STUDIES

Only available as a combined degree option – refer to Combined degrees below

INTERNATIONAL DEVELOPMENT STUDIES

Areas of study: Geography, global studies, international development studies, sociology

Course prerequisites: Any two units of English

LAWS

Course prerequisites: English (Standard)

NURSING

Areas of study: Nursing

NUTRITION SCIENCE

Areas of study: Nutrition

Course prerequisites: One of English (Advanced) (Band 4), English (Standard) (Band 4) or English as an Additional Language or Dialect (Band 4)

OCCUPATIONAL THERAPY

Areas of study: Occupational therapy

Course prerequisites: One of English (Advanced) (Band 4), English (Standard) (Band 4) or English as an Additional Language or Dialect (Band 4) plus at least one of Biology, Chemistry, Physics or Personal Development, Health and Physical Education (PDHPE)

PARAMEDICINE

Areas of study: Paramedicine

PHILOSOPHY

Areas of study: Philosophy

PHYSICAL ACTIVITY AND HEALTH SCIENCE

Areas of study: Health science, physical activity

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

PHYSIOTHERAPY

Areas of study: Physiotherapy

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

PSYCHOLOGICAL SCIENCE

Areas of study: Psychology

Course prerequisites: Any two units of English

SCIENCE

Areas of study: Biology, chemistry, environment (North Sydney only), mathematics

Course prerequisites: English (Standard) (Band 3), any two units of mathematics (Band 3), any two units of science (Band 3)

SOCIAL WORK

Areas of study: Social work

Course prerequisites: *NSW*: One of English (Advanced) (Band 4), English (Standard) (Band 4) or English as an Additional Language or Dialect (Band 4) *ACT*: English (Major) or English as a Second Language (Major) (minimum 142)

SPEECH PATHOLOGY

Areas of study: Speech pathology

Course prerequisites: One of English (Advanced) (Band 4), English (Standard) (Band 4) or English as an Additional Language or Dialect (Band 4) plus at least one of Biology, Chemistry, Physics, Personal Development, Health and Physical Education (PDHPE)

THEOLOGY

Areas of study: Ancient languages, biblical studies, early Christian studies, interreligious dialogue, liturgy and sacraments, ministry, moral theology, philosophy and liberal arts, systematic theology/contemporary Christian thought, world religions

VISUAL ARTS AND DESIGN

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

Course prerequisites: Any two units of English

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

Global Studies

The following combined Global Studies courses are offered:

- Applied Public Health/Global Studies
- Arts/Global Studies
- Business Administration/Global Studies
- Commerce/Global Studies
- Laws/Global Studies
- Theology/Global Studies

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

Laws

The following combined Law courses are offered:

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

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

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Australian College of Applied Psychology

acap.edu.au
CRICOS provider number 01328A



Enquiries

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

in person: 255 Elizabeth Street
Sydney NSW 2000

telephone: 1800 061 199
email: info.acap@navitas.com

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

CASE MANAGEMENT

Areas of study: Community case management facilitation, assessment and analysis
Recommended studies: Any two units of English

COUNSELLING

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

PSYCHOLOGICAL SCIENCE

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

SOCIAL SCIENCE

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

SOCIAL WORK

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

YOUTH WORK

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

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Enquiries

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

in person: Prospective Student Adviser
Australian Maritime College
Student Centre
Newnham TAS 7248

telephone: 1300 363 864

READ THIS FIRST

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

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

APPLIED SCIENCE

Marine Environment

Marine Environment (Assoc Deg)

Course prerequisites: Mathematics General 2, any two units of English, any two units of science

Recommended studies: English (Standard) plus Biology or Chemistry

Maritime Technology Management

Course prerequisites: Mathematics General 2

Recommended studies: Mathematics plus Physics or Chemistry

BUSINESS

Maritime and Logistics Management

Maritime and Logistics Management (Assoc Deg)

Maritime and Logistics Management (Dip)

Areas of study: Port and terminal management, ship operations management, maritime economics

ENGINEERING

Areas of study: Marine and offshore engineering, naval architecture, ocean engineering

Course prerequisites: Mathematics, any two units of science

Recommended studies: HSC Mathematics Extension 1 plus Physics or Chemistry

General Studies (Engineering Pathway)

Recommended studies: Any two units of mathematics

Engineering (Specialisation) (Assoc Deg)

Course prerequisites: Mathematics, any two units of science

Recommended studies: HSC Mathematics Extension 1 plus Physics or Chemistry

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

ENVIRONMENTAL SCIENCE

Aquaculture (Assoc Deg)

Assumed knowledge: Mathematics General 2, any two units of English

Recommended studies: Any two units of science

Australian National University

anu.edu.au
CRICOS provider number 00120C



Australian
National
University

Enquiries

by post: Domestic Admissions Office
Building X-005
Australian National University
Canberra ACT 2601

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

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

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

ACCOUNTING

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

ACTUARIAL STUDIES

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

ADVANCED COMPUTING

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

ADVANCED COMPUTING (RESEARCH AND DEVELOPMENT)

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

APPLIED DATA ANALYTICS

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

ARTS

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

Areas of study: Ancient Greek, ancient history, anthropology, Arabic, archaeology, art history, art theory, Asian art history, biological anthropology, Chinese language, contemporary Europe, criminology, development studies, English, environmental studies, European history, French language and culture, gender, geography, German language and culture, Hindi language, history, Indonesian language, international communications, international relations, Italian language and culture, Japanese language, Korean language, Latin, Latin American studies, linguistics, mathematics, Middle Eastern and Central Asian studies, music, Persian, philosophy, political science, psychology, Sanskrit language, sexuality and culture, sociology, Spanish, Thai language, Urdu language, Vietnamese language, visual arts practice

Politics, Philosophy and Economics

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

ASIAN STUDIES

Areas of study: Arabic, Asian history, Asia-Pacific politics, Asia-Pacific security studies, Burmese language, Chinese language, Chinese studies, French language and culture, Hindi language, historical international security, Indonesian language, Indonesian studies, inter-Asia cultural studies, Japanese language, Japanese linguistics, Japanese studies, Korean language, Korean studies, literatures of Asia, Middle Eastern and Central Asian studies, Mongolian language, Northeast Asian studies, Pacific studies, peace and conflict studies, Portuguese language, Sanskrit language, South Asian studies, Southeast Asian studies, Spanish, Tetum language, Thai language, Tibetan language, Urdu language, Vietnamese language

BIOTECHNOLOGY

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

BUSINESS ADMINISTRATION

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

COMMERCE

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

COMPUTING (DIP)

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

CREATIVE DESIGN (DIP)

Areas of study: Creative design, design, design arts, visual arts

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, user-experience design, video, visual communication, textiles.
Additional selection criteria: Interview, portfolio

ECONOMICS

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

ENGINEERING

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

ENGINEERING (RESEARCH AND DEVELOPMENT)

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

FINANCE

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

FINANCE, ECONOMICS AND STATISTICS

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

GENETICS

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

HEALTH SCIENCE

Areas of study: Biology, health science, Indigenous health, medical science, population health, science communication
Assumed knowledge: *ACT*: Chemistry (Major) *NSW*: Chemistry

INFORMATION TECHNOLOGY

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

INTERNATIONAL BUSINESS

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

INTERNATIONAL SECURITY STUDIES

Areas of study: 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, international security studies, Italian language and culture, Japanese language, Korean language, Mongolian language, peace and conflict studies, Persian, Russian language, Sanskrit language, Spanish, Tetum language, Thai language, Urdu language, Vietnamese language

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

LANGUAGES

Areas of study: Ancient Greek, Arabic, Burmese, Chinese, French, German, Hindi, Indonesian, Italian, Japanese, Korean, Latin, literary Chinese, Mongolian, Portuguese, Persian, Sanskrit, Spanish, Tetum, Thai, Tibetan, Urdu, Vietnamese

LAW

Areas of study: Law, legal studies

LIBERAL STUDIES (DIP)

Areas of study: Anthropology, criminology, development studies, English, history, international relations, philosophy, political science, sociology

MATHEMATICAL SCIENCES

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

MEDICAL SCIENCE

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

MUSIC

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

PACIFIC STUDIES

Areas of study: Anthropology; archaeology; Chinese 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; linguistics; Pacific studies; philosophy; sociology; Spanish

SCIENCE

Areas of study: Astronomy and astrophysics, biological anthropology, biology, chemistry, computational modelling, computer science, earth and environmental science, environmental modelling, environmental policy, forest science, geography, geology, geophysics, global change science, human ecology, material science, mathematical economics, mathematical finance, mathematical physics, mathematics, mathematics and statistics, neuroscience, physics, psychology, quantitative biology and bioinformatics, science communication, statistics, sustainability science, theoretical physics, water science and policy

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

Environment and Sustainability

Areas of study: Environmental science, resource and environmental management, sustainability science

Psychology

Areas of study: Abnormal, biological, cognitive, developmental and social psychology, plus a major from science or another faculty

SOCIAL SCIENCE (ACTUARIAL STUDIES AND ECONOMICS)

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

SOFTWARE ENGINEERING

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

STATISTICS

Areas of study: Applied probability, business statistics, econometrics, financial statistics, psychological or social research methods, statistical methodology
 Course prerequisites: *ACT*: Specialist Mathematics (Major/Minor) (160+)
NSW: HSC Mathematics Extension 1 (Band E3)
 Recommended studies: *ACT*: Specialist Mathematics (Double Major)
NSW: HSC Mathematics Extension 2

VISUAL ARTS

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

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FLEXIBLE DOUBLE DEGREES

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

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

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

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

Flexible Double Arts, Social Sciences, Business and Science

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

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

Flexible Double Engineering or Advanced Computing

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

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

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

- Actuarial Studies*
- Applied Data Analytics
- Arts
- Asian Studies
- Biotechnology*
- Business Administration
- Commerce
- Economics
- Environment and Sustainability
- Finance

- Genetics*
- Information Technology* (cannot be combined with Software Engineering or Advanced Computing)
- International Security Studies
- Mathematical Sciences*
- Pacific Studies
- Science
- Science (Psychology)
- Statistics*

Flexible Double Law

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

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

VERTICAL DEGREES

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

UNDERGRADUATE RESEARCH DEGREES

The Australian National University offers the following undergraduate research degrees:

- B Advanced Computing (Research and Development) (Hons)
- B Engineering (Research and Development) (Hons)
- B Philosophy (Hons) Arts*
- B Philosophy (Hons) Science*
- B Philosophy (Hons) Asia and the Pacific

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

Charles Sturt University

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



Enquiries

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

telephone: 1800 334 733

In person

Albury-Wodonga campus

Prospective Student Adviser
Building 673, Elizabeth Mitchell Drive
Thurgoona NSW 2640

Dubbo campus

Course enquiries
Tony McGrane Place
Dubbo NSW 2830

Port Macquarie campus

Prospective Student Adviser
7 Major Innes Road
Port Macquarie NSW 2444

Bathurst campus

Prospective Student Adviser
Building 1396
Panorama Ave
Bathurst NSW 2795

Orange campus

Prospective Student Adviser
Leeds Parade
Orange NSW 2800

Wagga Wagga campus

Prospective Student Adviser
Building 481
Boorooma Street
Wagga Wagga NSW 2650

Canberra campus (Theology students)

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

Parramatta campus (Theology students)

United Theological College
16 Masons Drive
North Parramatta NSW 2151

READ THIS FIRST

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

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

AGRICULTURAL BUSINESS MANAGEMENT

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

AGRICULTURE

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

ANIMAL SCIENCE

Animal Science

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

Equine Science

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

APPLIED SCIENCE

Outdoor Recreation and Ecotourism

Parks, Recreation and Heritage

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

ARTS

Areas of study: Art history, community development and human services, English, history, Indigenous studies, philosophy, politics, policy studies, psychology, sociology
Recommended studies: Any two units of English

BUSINESS

Accounting
Business Studies
Management
Marketing

Assumed knowledge: Mathematics

COMMUNICATION AND CREATIVE INDUSTRIES

Acting

Additional selection criteria: Audition, course consultation

Advertising
Public Relations
Radio

Recommended studies: English (Standard) or English (Advanced) plus Business Studies

Animation and Visual Effects

Art History
Graphic Design
Multiplatform Producing
Photography
Sound Design
Stage and Screen Design
Television

Recommended studies: Design and Technology or Visual Arts

Journalism

Journalism and International Studies

Recommended studies: English (Advanced)

Theatre Media

Additional selection criteria: Audition, course consultation

Media Studies

Recommended Studies: Any two units of English

EDUCATION

Early Childhood and Primary Health and Physical Education Outdoor Education

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

Recommended studies: Any two units of English, any two units of mathematics

K–12

Areas of study: Business studies, English, mathematics, modern history, science

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

Recommended studies: Any two units of mathematics

Technology and Applied Studies

Areas of study: Agriculture (includes biology), design and technology, 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: Entry standards for initial teacher education courses are three Band 5 results, including English, in the NSW HSC or equivalent. CSU courses are designed for and accredited with alternative entry as all students undertake core discipline studies in the first two years of study equivalent to three Band 5 results, including English and Mathematics, before undertaking curriculum and professional studies.

Recommended studies: Any two units of English, any two units of mathematics, Design and Technology and/or any of the following: Agriculture, Food Technology, Industrial Technology, Information Processes and Technology, Software Design and Development, or Textiles and Design. *For agriculture and food technology:* Chemistry

ENGINEERING

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

Assumed knowledge: Any two units of English, any two units of mathematics

Recommended studies: Chemistry, Physics

Additional selection criteria: Supplementary application form, interview

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

ENVIRONMENTAL SCIENCE AND MANAGEMENT

Recommended studies: Geography or any two units of science

EXERCISE SCIENCE

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

Assumed knowledge: Any two units of English, any two units of mathematics

Recommended studies: Any two units of science

HEALTH SCIENCE

Clinical Practice (Paramedic)

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

Clinical Science

Assumed knowledge: Chemistry, Mathematics

Dental Science

Assumed knowledge: Chemistry, Mathematics, Physics

Recommended studies: English (Standard)

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

Health and Rehabilitation Science

Assumed knowledge: English (Standard)

Recommended studies: Biology

Occupational Therapy

Assumed knowledge: English (Standard)

Recommended studies: Biology

Oral Health (Therapy and Hygiene)

Assumed knowledge: Chemistry, English (Standard)

Recommended studies: Biology

Podiatric Medicine

Assumed knowledge: English (Standard)

Recommended studies: Biology, Mathematics

Physiotherapy

Assumed knowledge: Biology, English (Standard), Mathematics

Recommended studies: Physics

Speech and Language Pathology

Assumed knowledge: Biology, English (Standard)

INFORMATION TECHNOLOGY

Computer Science

Areas of study: Computer science, games programming

Assumed knowledge: Mathematics

Information Technology

Areas of study: Business analysis, network engineering, software design and development, systems administration

MEDICAL RADIATION SCIENCE

Areas of study: Medical imaging, nuclear medicine, radiation therapy

Assumed knowledge: Mathematics, Physics

MEDICAL SCIENCE

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

Assumed knowledge: Chemistry, Mathematics

NURSING

Assumed knowledge: English (Standard), Mathematics, Biology and Chemistry

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

PHARMACY

Assumed knowledge: Chemistry, Mathematics

Recommended studies: Biology

PSYCHOLOGY

Areas of study: Social science (psychology), psychology

SCIENCE

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

Assumed knowledge: Mathematics, any two units of science

Recommended studies: Chemistry or Physics

General Studies (Science)

Recommended studies: Any two units of science

SOCIAL SCIENCE

Areas of study: Criminal justice, psychology

SOCIAL WORK

Areas of study: Social work

THEOLOGY

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

VETERINARY SCIENCE

Veterinary Biology/Veterinary Science

Assumed knowledge: Chemistry, Mathematics

Additional selection criteria: Supplementary application form, interview

Veterinary Technology

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

Assumed knowledge: Chemistry, Mathematics

COMBINED DEGREES

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

Charles Sturt University currently offers combined degrees in:

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



Enquiries

by post: Student Admissions
CQUniversity
400 Kent Street
Sydney NSW 2000

in person: Student Admissions
400 Kent Street
Sydney NSW 2000

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

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

ACCIDENT FORENSICS

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

ACCOUNTING

Areas of study: Accounting, business computing, contract law, human resource management, marketing, organisational behaviour, property, public relations
Recommended studies: English (Standard), Mathematics

ARTS**ARTS (DIP)**

Areas of study: Aboriginal and Torres Strait Islander studies, business, creative writing, dance and drama, digital media, geography and environmental studies, journalism, languages, liberal arts, literary and cultural studies, psychology, sociology
Course prerequisites: English (Standard)

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

Areas of study: Aerodynamics, air service operations, air traffic control, aircraft systems, airspace classifications, flight service and handling emergencies, meteorology, navigation, pilot licences and ratings
Course prerequisites: *For Aviation (Technology) and Assoc Deg:* English (Standard), Mathematics
Recommended studies: *For Aviation Theory (Dip):* English (Standard), Mathematics

BUILDING DESIGN**BUILDING DESIGN (ASSOC DEG)**

Areas of study: Contract administration, design of residential and commercial buildings
Recommended studies: English (Standard), Mathematics

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

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

BUSINESS

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

BUSINESS STUDIES (DIP)

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

CARDIAC PHYSIOLOGY

Areas of study: Basic cardiac ultrasound in a diagnostic setting, cardiac physiology, measurement science
Recommended studies: Biology, English (Standard), Mathematics, Physics

CONSTRUCTION MANAGEMENT

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

DIGITAL MEDIA**DIGITAL MEDIA (ASSOC DEG)****DIGITAL MEDIA (DIP)**

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

ECHOCARDIOGRAPHY (CARDIAC PHYSIOLOGY)

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

ENGINEERING**ENGINEERING (ASSOC DEG)**

Areas of study: *For Engineering:* Civil, electrical, mechanical, mining, mechatronics *For Engineering (Assoc Deg):* Civil, electrical, geology, mechanical, mining
Course prerequisites: *For Engineering:* English (Standard), Mathematics
Recommended studies: *For Engineering:* HSC Mathematics Extension 1 *For Engineering (Assoc Deg):* English (Standard), Mathematics

ENGINEERING TECHNOLOGY

Areas of study: Engineering: civil, electrical, mechanical
Course prerequisites: English (Standard), Mathematics
Recommended studies: HSC Mathematics Extension 1

ENVIRONMENTAL SCIENCE

Areas of study: Environmental geography, land management, water management
Course prerequisites: English (Standard)
Recommended studies: Biology, Chemistry, Earth and Environmental Science

EXERCISE AND SPORTS SCIENCE

Areas of study: Anatomy, biomechanics, motor control, physiology, psychology, sports management
 Recommended studies: Biology, English (Standard), Mathematics, Personal Development, Health and Physical Education (PDHPE)

HEALTH SCIENCE (ALLIED HEALTH)

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

INFORMATION AND COMMUNICATIONS TECHNOLOGY (DIP)

Areas of study: Application development, business analysis, network security
 Course prerequisites: English (Standard)

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

Areas of study: Application development, business analysis, network security
 Course prerequisites: English (Standard)
 Recommended studies: Information Processes and Technology, Software Design and Development

LAWS

Areas of study: Administrative law, commercial law, constitutional law, contracts, corporations law, criminal law, family law, jurisprudence, legal drafting, property law, torts, trusts
 Course prerequisites: English (Standard)

MEDICAL SCIENCE

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

MEDICAL SONOGRAPHY

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

NURSING

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

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

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

PODIATRY PRACTICE

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

PROFESSIONAL COMMUNICATION

Areas of study: Communication, digital media, human resource management, journalism, management, marketing, sociology
 Course prerequisites: English (Standard)

PROPERTY

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

PSYCHOLOGICAL SCIENCE

Areas of study: Data analysis, human development, psychology, research methods
 Course prerequisites: English (Standard)
 Recommended studies: Mathematics, any two units of science

PUBLIC HEALTH**PUBLIC HEALTH (ASSOC DEG)**

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

SCIENCE

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

SCIENCE (CHIROPRACTIC)

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

SOCIAL WORK

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

COMBINED DEGREES

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

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

Enquiries

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

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

telephone: Freecall 1800 677 728
email: domesticenquiries@griffith.edu.au
or griffith.edu.au/ask-us
facebook: facebook.com/griffithuniversity
twitter: twitter.com/griffith_uni

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

ARCHITECTURAL DESIGN

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

ARTS

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

BIOMEDICAL SCIENCE

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

BUSINESS

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

CHILD AND FAMILY STUDIES

Course prerequisites: Any two units of English

COMMERCE

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

COMPUTER SCIENCE

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

COUNSELLING

Course prerequisites: Any two units of English

CREATIVE AND INTERACTIVE MEDIA

Areas of study: Digital arts and design, media applications
Course prerequisites: Any two units of English

CRIMINOLOGY AND CRIMINAL JUSTICE

Course prerequisites: Any two units of English

DENTAL HEALTH SCIENCE

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

DENTAL PROSTHETICS

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

DENTAL TECHNOLOGY

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

DESIGN

Areas of study: Graphic and communication design, interior design and environments, product and 3D design, visualisation design
Course prerequisites: Any two units of English

EDUCATION

Areas of study: Primary education, secondary education
Course prerequisites: Any two units of English (Band 4) plus one of Mathematics General 2, Mathematics, HSC Mathematics Extension 1 or HSC Mathematics Extension 2 (Band 4 or higher)
For Primary (selected in second year): Any two units of science (Band 4)
For Secondary (selected in second year): Successful completion of chosen teaching areas (in particular, for mathematics teaching areas: Mathematics, HSC Mathematics Extension 1 or HSC Mathematics Extension 2 and for biology, chemistry and physics teaching areas: Biology, Chemistry and Physics respectively).

ENGINEERING

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

ENVIRONMENTAL SCIENCE

Areas of study: Ecology and conservation, environmental management, soil and water science, urban environments

Course prerequisites: Any two units of English

Assumed knowledge: Mathematics General 2

Recommended studies: One of Biology, Chemistry or Physics

EXERCISE SCIENCE

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

GOVERNMENT AND INTERNATIONAL RELATIONS

Areas of study: International relations, politics and public policy

Course prerequisites: Any two units of English

HEALTH SCIENCE

Areas of study: Environmental health, environmental toxicology

Course prerequisites: Any two units of English

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

HUMAN SERVICES

Course prerequisites: Any two units of English

INDUSTRIAL DESIGN

Course prerequisites: Any two units of English

Assumed knowledge: Mathematics General 2

INFORMATION TECHNOLOGY

Areas of study: Information systems, networks and security

Course prerequisites: Any two units of English

Assumed knowledge: Mathematics General 2

INTERNATIONAL BUSINESS

Areas of study: Asian business, Chinese, finance, human resource management, international relations, Japanese, logistics and supply chain management, management, marketing, Modern Greek, Spanish

Course prerequisites: Any two units of English

INTERNATIONAL TOURISM AND HOTEL MANAGEMENT

Areas of study: Hospitality management, tourism management

Course prerequisites: Any two units of English

JOURNALISM

Areas of study: Creative writing, criminal justice, economics, event management, environmental studies; historical studies, Indigenous studies, Islam–West relations, literary studies, marketing, photomedia, politics and international studies, popular music, public relations, screen studies, sociology, sport management, tourism

Course prerequisites: Any two units of English

LANGUAGES AND LINGUISTICS

Areas of study: Chinese, Italian, Japanese, linguistics, Spanish. Students can study languages at other campuses where program structure allows. Modern Greek can be taken via cross-institutional study online through Flinders University.

Course prerequisites: Any two units of English

LAW

Course prerequisites: Any two units of English

LAW (COMBINED)

The following combined Law courses are available:

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

Course prerequisites: Any two units of English

Assumed knowledge: *For Environmental Science/Law:* Mathematics General 2 *For Pharmacology and Toxicology/Law:* Mathematics plus one of Biology, Chemistry or Physics

Recommended studies: *For Environmental Science/Law:* One of Biology, Chemistry or Physics

MARINE SCIENCE

Areas of study: Coastal management, coastal oceanography, marine chemistry, marine ecology

Course prerequisites: Any two units of English

Assumed knowledge: Mathematics General 2

Recommended studies: One of Biology, Chemistry or Physics

MEDICAL LABORATORY SCIENCE

Course prerequisites: Any two units of English

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

MEDICAL SCIENCE

Course prerequisites: Any two units of English

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

NURSING

Course prerequisites: Any two units of English

NUTRITION AND DIETETICS

Course prerequisites: Any two units of English

Assumed knowledge: Biology, Chemistry, Mathematics

OCCUPATIONAL THERAPY

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

PARAMEDICINE

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

PHARMACOLOGY AND TOXICOLOGY

Course prerequisites: Any two units of English

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

PHARMACY

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

PHYSIOTHERAPY

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

POPULAR MUSIC

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

PSYCHOLOGICAL SCIENCE

Course prerequisites: Any two units of English

PSYCHOLOGY

Course prerequisites: Any two units of English

PUBLIC HEALTH

Course prerequisites: Any two units of English

PUBLIC RELATIONS AND COMMUNICATION

Areas of study: Asian and international studies, creative writing, criminal justice, economics, environmental studies, event management, history, Indigenous studies, Islam–West relations, journalism, literary studies, marketing, politics and international studies, popular music, science, technology and society, sociology, sport management, tourism. Not all areas of study are offered at all campuses.

Course prerequisites: Any two units of English

SCIENCE**SCIENCE ADVANCED**

Areas of study: Applied mathematics, biochemistry and molecular biology, chemistry, geography, marine biology, physics, wildlife biology

Course prerequisites: Any two units of English

Assumed knowledge: Mathematics General 2

Recommended studies: One of Biology, Chemistry or Physics

SOCIAL SCIENCE

Course prerequisites: Any two units of English

SOCIAL WORK

Course prerequisites: Any two units of English

SPORT DEVELOPMENT

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

URBAN AND ENVIRONMENTAL PLANNING

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

COMBINED DEGREES

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

Griffith University currently offers combined degrees in:

- B Arts/B Business
- B Business/B Commerce
- B Business/B Government and International Relations
- B Business/B International Business
- B Commerce/B International Business
- B Creative and Interactive Media/B Business
- B Criminology and Criminal Justice/B Information Technology
- B Dental Technology/B Dental Prosthetics
- B Design/B Business
- B Engineering (Honours)/B Business
- B Engineering (Honours)/B Computer Science
- B Engineering (Honours)/B Environmental Science
- B Engineering (Honours)/B Industrial Design
- B Engineering (Honours)/B Information Technology
- B Engineering (Honours)/B Science
- B Environmental Science/B Business
- B Exercise Science/B Business
- B Exercise Science/B Psychological Science
- B Human Services/B Criminology and Criminal Justice
- B Information Technology/B Business
- B International Business/B Government and International Relations
- B International Tourism and Hotel Management/B Business
- B Journalism/B Business
- B Pharmacology and Toxicology/B Business
- B Psychological Science/B Business
- B Psychological Science/B Criminology and Criminal Justice
- B Psychological Science/M Mental Health Practice
- B Psychological Science/M Rehabilitation Counselling
- B Public Relations and Communication/B Business
- B Science/B Information Technology
- B Science/B Business
- Urban and Environmental Planning/B Science

International College of Management, Sydney

icms.edu.au
CRICOS provider number 01484M



Enquiries

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

in person: Reception
151 Darley Road
Manly NSW 2095

telephone: 1800 110 490
email: info@icms.edu.au

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

BUSINESS MANAGEMENT

Entrepreneurship

Marketing and New Media

Retail Marketing

Recommended studies: Any two units of English plus one of Business Studies, Economics, Mathematics, Chemistry, Physics, Biology, Investigating Science, Legal Studies, Financial Services or Business Services

Additional selection criteria: Interview

EVENT MANAGEMENT

Recommended studies: Any two units of English plus one of Business Studies, Economics, Mathematics, Chemistry, Physics, Biology, Investigating Science, Legal Studies, Financial Services or Business Services

Additional selection criteria: Interview

HOSPITALITY MANAGEMENT

Recommended studies: Any two units of English plus one of Business Studies, Economics, Mathematics, Chemistry, Physics, Biology, Investigating Science, Legal Studies, Financial Services or Business Services

Additional selection criteria: Interview

INTERNATIONAL TOURISM

Recommended studies: Any two units of English plus one of Business Studies, Economics, Mathematics, Chemistry, Physics, Biology, Investigating Science, Legal Studies, Financial Services or Business Services

Additional selection criteria: Interview

PROPERTY (DEVELOPMENT, INVESTMENT AND VALUATION)

Recommended studies: Any two units of English plus one of Business Studies, Economics, Mathematics, Chemistry, Physics, Biology, Investigating Science, Legal Studies, Financial Services or Business Services

Additional selection criteria: Interview

SPORTS MANAGEMENT

Recommended studies: Any two units of English plus one of Business Studies, Economics, Mathematics, Chemistry, Physics, Biology, Investigating Science, Legal Studies, Financial Services or Business Services

Additional selection criteria: Interview

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EDUCATION FOR EVERYONE
MAKEYOURMARK.EDU.AU

(**MAKE
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MARK**)

Make Your Mark is an initiative of Bridges to Higher Education, funded by Universities Admissions Centre (UAC) and the Commonwealth Government's Higher Education Participation and Partnerships Program.



Enquiries

All campuses

telephone: 1300 LA TROBE (1300 528 7623)
enquire online: latrobe.custhelp.com

Albury-Wodonga campus

in person: Student Administration
Ground floor, Building 4
University Drive
Wodonga VIC 3690

Mildura campus

in person: Student Administration
471 Benetook Avenue
Mildura VIC 3502

Bendigo campus

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

Sydney campus

in person: 255 Elizabeth Street
Sydney NSW 2000
telephone: (02) 9397 7600
email: sydney@latrobe.edu.au

Melbourne campus

in person: Cnr Plenty Road and
Kingsbury Drive
Bundoora VIC 3086

Shepparton campus

in person: 210 Fryers St
Shepparton Victoria 3630

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.

College of Arts, Social Sciences and Commerce

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

College of Science, Health and Engineering

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

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

AGRIBUSINESS

Areas of study: Agribusiness, management, marketing
Course prerequisites: Any two units of English (min. standard required)

ARTS

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

BUSINESS, ACCOUNTING, COMMERCE

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

CIVIL ENGINEERING ENGINEERING

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

CREATIVE ARTS

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

EDUCATION

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

HEALTH INFORMATION MANAGEMENT

Areas of study: Health data analysis and management, health informatics, health information privacy and security, medical/clinical coding and casemix systems
Course prerequisites: Any two units of English plus one of Biology, Chemistry, Mathematics, Physics or Personal Development, Health and Physical Education (PDHPE) (min. standard required)

HEALTH SCIENCES

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

INFORMATION TECHNOLOGY

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

LAWS

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

MEDIA AND COMMUNICATION (JOURNALISM)

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

NURSING (PRE-REGISTRATION)

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

OCCUPATIONAL THERAPY

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

PARAMEDIC PRACTICE

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

PHYSIOTHERAPY

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

PSYCHOLOGICAL SCIENCE

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

PSYCHOLOGY

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

SCIENCE

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

Agricultural Sciences+

Animal and Veterinary Biosciences+

Biological Sciences+

Science (Wildlife and Conservation Biology)+

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

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

SOCIAL WORK

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

SPEECH PATHOLOGY

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

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twitter.com/UACinfo



youtube.com/user/UACinfo



Macleay College

macleay.edu.au
CRICOS provider number 00899G



Enquiries

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

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

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

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

ADVERTISING & MEDIA

ADVERTISING & MEDIA (DIP)

Areas of study: campaign thinking, copywriting, creative process, digital design, foundations of marketing, media landscape, professional practice, research and insight, social media strategy, the business of advertising, video production

Recommended studies: Any two units of English, Design and Technology, Visual Arts, Mathematics, Business Studies

Additional selection criteria: Interview

BUSINESS

Areas of study: Business accounting, business communications, business fundamentals, consumer behaviour, digital business, foundations of marketing

Recommended studies: Any two units of English, Mathematics

Additional selection criteria: Interview

Entrepreneurship

Event Management

Public Relations

Sports Business

Travel and Tourism

Recommended studies: Any two units of English, Mathematics

Additional selection criteria: Interview

BUSINESS MANAGEMENT (DIP)

Areas of study: Business communications, business fundamentals, foundations of marketing

Recommended studies: Any two units of English, Mathematics

Additional selection criteria: Interview

Entrepreneurship

Event Management

Public Relations

Sports Business

Travel and Tourism

Recommended studies: Any two units of English, Mathematics

Additional selection criteria: Interview

DIGITAL MEDIA

DIGITAL MEDIA (DIP)

Areas of study: Behavioural psychology, design thinking, digital design, digital journalism, digital marketing, digital video, digital visualisation, ICT, interactive design, research and insight, social media strategy with specialisation options in written communications, story and narrative, written communications

Recommended studies: Any two units of English, Design and Technology, Visual Arts, Mathematics, Business Studies

Additional selection criteria: Interview

JOURNALISM

JOURNALISM (DIP)

Areas of study: Data journalism, ethics, feature writing, media history, media law, radio, research, video and mobile journalism (mojo)

Recommended studies: Any two units of English

Additional selection criteria: Interview

Business

Fashion

Food & Lifestyle

Investigative Reporting

Music

Sports

Recommended studies: Any two units of English

Additional selection criteria: Interview

MARKETING (DIP)

Areas of study: Business communications, business fundamentals, entrepreneurship, foundations of marketing, research, sales and negotiation

Recommended studies: Any two units of English, Mathematics

Additional selection criteria: Interview

Macquarie University

mq.edu.au
CRICOS provider number 00002



MACQUARIE
University

Enquiries

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

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

telephone: (02) 9850 6410
Indigenous students can also phone
Walanga Muru Office of Indigenous Strategy:
(02) 9850 4498

online: Student Connect – ask.mq.edu.au

READ THIS FIRST

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

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

ACTUARIAL STUDIES

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

APPLIED FINANCE

Assumed knowledge: Mathematics
Recommended studies: HSC Mathematics Extension 1

ARTS

ARTS WITH EDUCATION

Areas of study: Applied mathematics*, ancient history (ancient languages, Egypt and Near East, Greece, Rome and late antiquity); anthropology; arts industries and management; Chinese studies; Chinese/English translation and interpreting; creative writing; criminology; dance and performance; Croatian studies; data science; development studies and cultural change; digital design; early childhood; education; English; English as a foreign language; environmental humanities; French and Francophone studies; gender studies; geography; German studies; Hellenic studies; human geography; Indigenous studies; interactivity and games; international communication; international relations; Italian studies; Japanese studies; journalism and non-fiction writing; media studies; media, culture and communication; modern Greek studies; modern history; music; philosophy; Polish studies; political economy and social policy; politics and international relations; psychological science*; Russian studies; sociology; Spanish and Latin American studies; statistics; writing;

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

* To be approved.

Subject prerequisites: *For language majors:* Chinese, Croatian, French, German, Italian, Japanese, modern Greek, Polish, Russian, Spanish
Assumed knowledge: *For intending primary and secondary teachers in NSW schools:* Three Band 5 HSC subjects, one of which must be English
Recommended studies: *For psychological science:* Mathematics

Environmental Management

Requirements: Refer to the main subject area of Science

Science

Areas of study: Astronomy and astrophysics, biology, electronics, geochemistry, mathematical physics, mathematics, physics (Science degree subjects can also be studied within an Arts degree)
Requirements: Refer to the main subject area of Science

BIODIVERSITY AND CONSERVATION

Areas of study: Biodiversity and conservation animal sciences, biodiversity and conservation biology, cell and molecular biology, ecology, environmental biology, genetics, microbiology, physiology, plant sciences
Recommended studies: Mathematics plus one of Biology, Chemistry or Investigating Science

BUSINESS ADMINISTRATION

BUSINESS ADMINISTRATION WITH ARTS

BUSINESS ADMINISTRATION WITH SCIENCE

Assumed knowledge: Mathematics General 2

BUSINESS ANALYTICS

Assumed knowledge: Mathematics
Recommended studies: HSC Mathematics Extension 1

CHIROPRACTIC SCIENCE

Recommended studies: Biology, Chemistry, Mathematics, Physics

CLINICAL SCIENCE

Areas of study: Anatomy (structure of the body), biochemistry (chemistry of biological molecules), biology (human), embryology (development of the body), genetics and genomics (genes and molecular biology techniques), histology (microscopic study of cells and tissues), immunology (health and the immune system), medical microbiology (microbes and health), neuroscience (structure and function of the brain and nerves), pathology (causes and effects of disease), physics (for the life sciences), physiology (function of the body), professional skills and knowledge for working in healthcare and medical research settings
Assumed knowledge: Mathematics

Recommended studies: Chemistry, English (Standard)

For students who have not completed Chemistry and Mathematics, it will be compulsory to participate in relevant 4 to 5-day bridging courses prior to commencement. Find out more at web.science.mq.edu.au/bridging-courses

COMMERCE

Accounting
Business Information Systems
International Business
Marketing

Assumed knowledge: Mathematics General 2
Recommended studies: Mathematics

Decision Science
Economics
Finance

Assumed knowledge: Mathematics
Recommended studies: HSC Mathematics Extension 1

Entrepreneurship
Human Resources

Assumed knowledge: Mathematics General 2

COMPUTING AND INFORMATION TECHNOLOGY

Business Information Systems

Areas of study: Business analysis, computer systems, databases, system analysis

Assumed knowledge: Mathematics General 2
Recommended studies: Information Processes and Technology

Games Design and Development

Subject prerequisites: Mathematics (Band 4) or HSC Mathematics Extension 1 (Band E2) or HSC Mathematics Extension 2
Recommended studies: HSC Mathematics Extension 1 or HSC Mathematics Extension 2 plus Software Design and Development

Information Technology

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

Software Engineering

Subject prerequisites: Mathematics (Band 4) or HSC Mathematics Extension 1 (Band E2) or HSC Mathematics Extension 2
Recommended studies: HSC Mathematics Extension 1 or HSC Mathematics Extension 2 plus Software Design and Development

DIGITAL BUSINESS

Areas of study: Computer programming, creativity and innovation, database systems, eCommerce, entrepreneurship, marketing, networking, software development, web design, web technology
Recommended studies: Mathematics, Information Processes and Technology, Software Design and Development

ECONOMICS

Assumed knowledge: Mathematics
Recommended studies: HSC Mathematics Extension 1

EDUCATION

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

Also refer to Arts with Education

ENGINEERING

ENGINEERING WITH ARTS

ENGINEERING WITH COMMERCE

ENGINEERING WITH SCIENCE

Areas of study: Electrical engineering, electronics engineering, mechanical engineering, mechatronic engineering, software engineering, telecommunications engineering

Subject prerequisites: Mathematics (Band 4) or HSC Mathematics Extension 1 (Band E2) or HSC Mathematics Extension 2
Recommended studies: HSC Mathematics Extension 1 or HSC Mathematics Extension 2 plus Physics

ENVIRONMENT

Areas of study: Biology, climate science, environmental earth science, environmental management, spatial information science

Recommended studies: Mathematics plus one of Biology, Chemistry, Earth and Environmental Science or Geography

GLOBAL BUSINESS

Assumed knowledge: Mathematics General 2
Recommended studies: Mathematics

HUMAN SCIENCES

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

INTERNATIONAL STUDIES

Areas of study: Cultural studies, intercultural communication, languages

LAW, SECURITY AND INTELLIGENCE

Areas of study: Corporate and commercial law; criminology; environmental law and management; international law and global governance; media, technology and the law; public policy, law and governance; security studies; social justice

LAW (COMBINED)

The following combined Law courses are offered:

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

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

MARINE SCIENCE

Areas of study: Marine biology, marine geoscience
Recommended studies: Mathematics plus one of Earth and Environmental Science, Biology, Chemistry or Investigating Science

MARKETING AND MEDIA

Assumed knowledge: Mathematics General 2
Recommended studies: Mathematics

MEDIA

Areas of study: Digital design; journalism and non-fiction writing; media studies; public relations and social media; radio, digital audio and broadcast production; screen practice and production; screen, sound, performance

MEDICAL SCIENCES

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

PLANNING

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

PROFESSIONAL ACCOUNTING

Assumed knowledge: Mathematics General 2
 Recommended studies: Mathematics

PSYCHOLOGY**PSYCHOLOGY WITH BUSINESS ADMINISTRATION****PSYCHOLOGY WITH COMMERCE****PSYCHOLOGY WITH EDUCATION****PSYCHOLOGY WITH HEALTH**

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

SCIENCE**SCIENCE – GLOBAL CHALLENGES****SCIENCE WITH EDUCATION**

Applied Mathematics*, **Astronomy and Astrophysics**, **Biology**, **Business Information Systems**, **Chemical and Biomolecular Sciences**, **Climate Science**, **Cognitive and Brain Science**, **Computing**, **Cyber Security**, **Data Science**, **Decision Science**, **Development Studies and Cultural Change**, **Electronics**, **Environmental Earth Science**, **Environmental Management**, **Geography**, **Geology**, **Geophysics**, **Human Biology**, **Human Geography**, **Information Systems and Business Analysis**, **Palaeobiology**, **Physics**, **Psychological Science***, **Pure Mathematics***, **Software Technology**, **Spatial Information Science**, **Statistics**, **Web Design and Development**

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

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

** To be approved.*

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

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

Recommended studies: *For applied and pure mathematics*: HSC Mathematics Extension 1 or HSC Mathematics Extension 2
For astronomy and astrophysics, and physics: HSC Mathematics Extension 1

or HSC Mathematics Extension 2 plus one of Physics (preferred), Chemistry, Engineering Studies or Investigating Science

For biology-related areas of study: Mathematics plus one of Biology, Chemistry or Investigating Science *For climate science*: Mathematics plus Earth and Environmental Science or Geography

For computing: HSC Mathematics Extension 1 or HSC Mathematics Extension 2 *For electronics*: HSC Mathematics Extension 1 or HSC Mathematics Extension 2 plus Information Processes and Technology or Software Design and Development *For environmental earth science*: Mathematics plus Earth and Environmental Science or Geography *For environmental management*: One of Earth and Environmental Science, Geography or Society and Culture

For geology-related areas of study: Earth and Environmental Science or Chemistry *For geophysics*: One of Earth and Environmental Science, Engineering Studies, Mathematics or Physics. Units of study are available in Chemistry, Physics and Mathematics for students who have not studied these courses at HSC level *For human biology*: Mathematics plus one of Biology, Chemistry or Investigating Science *For psychological science*: Mathematics *For spatial information science*: Geography, Mathematics
For statistics: Mathematics

SCIENCE ADVANCED**Applied Mathematics**

Subject prerequisites: HSC Mathematics Extension 1 (Band E3) or HSC Mathematics Extension 2

Astronomy and Astrophysics

Recommended studies: Physics, Mathematics

Biology

Recommended studies: Mathematics plus Biology, Chemistry or Investigating Science

Chemical and Biomolecular Sciences

Recommended studies: Mathematics plus Chemistry or Investigating Science

Geology

Recommended studies: Chemistry, Earth and Environmental Science

Geophysics

Recommended studies: Physics, Mathematics

Palaeobiology

Recommended studies: Earth and Environmental Science and/or Biology

Physics

Recommended studies: Physics, Mathematics

Pure Mathematics

Subject prerequisites: HSC Mathematics Extension 1 (Band E3) or HSC Mathematics Extension 2

Software Technology

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

Statistics

Subject prerequisites: HSC Mathematics Extension 1 (Band E3) or HSC Mathematics Extension 2


SOCIAL SCIENCES

Areas of study: Anthropology, criminology, cultural studies, development studies and culture change, gender studies, human geography, Indigenous studies, international relations, linguistics, philosophy, politics, political economy and social policy, psychological science, sociology, statistics

SPEECH AND HEARING SCIENCES*

Areas of study: Language sciences (linguistics) with a focus on introduction to audiology, speech and hearing science (hearing first and second language acquisition, language and the brain, language and society, language in interaction, phonetics and phonology, speech and language disorders, syntax), speech language pathology

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

MIT Sydney		
mit.edu.au CRICOS provider numbers 01545C, 03245K (NSW)		
Enquiries		
by post: MIT Sydney 154–158 Sussex Street Sydney NSW 2000	in person: 154–158 Sussex Street Sydney NSW 2000	telephone: (02) 8267 1400 fax: (02) 8267 1499 email: info.sydney@mit.edu.au, enrolments.syd@mit.edu.au

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

BUSINESS BUSINESS (DIP)

Areas of study: Accounting, management, marketing

INFORMATION TECHNOLOGY (DIP)

Areas of study: computer hardware and architecture, computing, networking fundamentals, operating systems, web and multimedia technologies

INFORMATION TECHNOLOGY

Networking

Areas of study: planning, implementing and managing computer networks

National Art School		
nas.edu.au CRICOS provider number 03197B		
Enquiries		
by post: National Art School Forbes Street Darlinghurst NSW 2010	in person: Forbes Street Darlinghurst NSW 2010	telephone: (02) 9339 8651 email: student.services@nas.edu.au

READ THIS FIRST

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

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

FINE ARTS

Areas of study: Art history and theory, ceramics, drawing, painting, photography, printmaking, sculpture

Assumed knowledge: Visual Arts

Additional selection criteria: Portfolio, interview

SAE Creative Media Institute

sae.edu.au
CRICOS provider number 00312F



Enquiries

Sydney campus

by post: SAE Creative Media Institute
39 Regent Street
Chippendale NSW 2008

in person: 39 Regent Street
Chippendale NSW 2008

telephone: Freecall 1800 SAE EDU
or (02) 8241 5200
email: sydney@sae.edu

Byron Bay campus

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

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

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

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

ANIMATION

Additional selection criteria: Interview

3D Modelling

3D Modelling (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

Character Animation

Character Animation (Assoc Deg)

Areas of study: Advanced 2D animation; development of user-friendly animation rigs; principles of character animation: posing, motion studies, body mechanics and facial animation

Visual Effects

Visual Effects (Assoc Deg)

Areas of study: Computer modelling; lighting; rendering; texturing; intermediate and advanced compositing, match moving, particle systems, dynamic simulations and colour grading

3D 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

AUDIO

Additional selection criteria: Interview

Post Production

Post Production (Assoc Deg)

Areas of study: Advanced sound for picture techniques, audio post-production team dynamics, creation and manipulation of the sonic environment of multimedia

Studio Production

Studio Production (Assoc Deg)

Areas of study: Advanced studio production techniques, mastery of tracks from recording through to production, sound aesthetics, studio production team dynamics

Audio Production (Dip)

Areas of study: Assembly of small scale digital recording system, digital technology, microphones, mixing and application of signal processors, music theory, musical forms and structure, operation of Digital Audio Workstation (DAW), sound recording

Music Production (Dip)

Areas of study: Blending sounds, conducting a location recording, Digital Audio Workstation (DAW) transcription and operation, music genres and styles, music theory, technical language, understanding and recognition of key features of music, working to a brief, writing a production brief

DESIGN

Additional selection criteria: Interview

Graphic Design

Graphic Design (Assoc Deg)

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, typography

Web Design

Web Design (Assoc Deg)

Areas of study: Critical and creative thinking, design and layout, design for content management systems, dynamic development, interaction design, interface design, principles of design

FILM

Additional selection criteria: Interview

Post Production

Post Production (Assoc Deg)

Areas of study: Colour grading, compositing, editing, film fundamentals, operation of film equipment, storytelling, understanding the roles and responsibilities of film production crews

Production

Production (Assoc Deg)

Areas of study: Directing, film fundamentals, operation of film equipment, producing, storytelling, understanding the roles and responsibilities of film production crews

Film (Dip)

Areas of study: Film fundamentals, operation of film equipment, storytelling, understanding the roles and responsibilities of film production crews

GAMES DEVELOPMENT

Additional selection criteria: Interview

Games Design

Games Design (Assoc Deg)

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

Games Programming

Games Programming (Assoc Deg)

Areas of study: Applied mathematics, game engine architecture, games technology, programming, tools development

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)

SIBT

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



Enquiries

SIBT Sydney campus

by post: SIBT
Level 4, 255 Elizabeth Street
Sydney NSW 2000

in person: Level 4, 255 Elizabeth Street
Sydney NSW 2000

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

READ THIS FIRST

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

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

BUSINESS ADMINISTRATION (DIP)

Areas of study: Accounting, human resources, information systems/information technology, introductory statistics, management, market microeconomic principles, marketing principles

INFORMATION TECHNOLOGY (DIP)

Areas of study: Business information systems, data management, digital media, introductory programming, introductory software design, systems design

COMMERCE (DIP)

Areas of study: Accounting, financial theory and techniques management, introductory statistics management, market microeconomic principles

HOSPITALITY MANAGEMENT (DIP)

Areas of study: Accounting, event management, hospitality, human resources, management, marketing principles, tourism

ENGINEERING (DIP)

Areas of study: Fundamentals of digital technology and design, introductory programming, introductory software design, mathematics, physics

Assumed knowledge: HSC Mathematics Extension 1. If not, students can enrol in equivalent units to acquire this knowledge.

MEDIA AND COMMUNICATION (DIP)

Areas of study: Cross cultural communication, digital media, international communication, language as communication, national and global media

() **I WANT TO** *do something I love*

EDUCATION FOR EVERYONE
MAKEYOURMARK.EDU.AU (**MAKE YOUR MARK**)

Make Your Mark is an initiative of Bridges to Higher Education, funded by Universities Admissions Centre (UAC) and the Commonwealth Government's Higher Education Participation and Partnerships Program.

Southern Cross University

scu.edu.au
CRICOS provider number 01241G



Enquiries

All campuses

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

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

In person

Lismore 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

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

ACCOUNTING

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

ARTS

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

ARTS (ASSOC DEG)

Recommended studies: English (Advanced)

BIOMEDICAL SCIENCE

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

BUSINESS

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

BUSINESS (ASSOC DEG)

Recommended studies: Business Studies or Economics

BUSINESS ADMINISTRATION

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

CIVIL ENGINEERING

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

CLINICAL SCIENCES (OSTEOPATHIC STUDIES)

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

CONTEMPORARY STUDIES

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

CONVENTION AND EVENT MANAGEMENT

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

CREATIVE WRITING (ASSOC DEG)

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

DIGITAL MEDIA AND COMMUNICATIONS

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

EDUCATION/TEACHING

Early Childhood

Primary (K–6)

Secondary

Technology Education

There are no prerequisites or assumed knowledge.
Only available as a combined degree option – refer to Education/Teaching (Combined degrees) below

ENVIRONMENTAL SCIENCE

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

FOREST SCIENCE AND MANAGEMENT

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

HEALTH (ASSOC DEG)

Recommended studies: Biology and/or Chemistry

HOTEL MANAGEMENT

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

INDIGENOUS KNOWLEDGE

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

INFORMATION TECHNOLOGY

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

INFORMATION TECHNOLOGY (ASSOC DEG)

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

LAW (ASSOC DEG)

Areas of study: Conveyancing

LAWS

LAWS (DOUBLE DEGREES)

The following double law degrees are offered:

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

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

LEGAL AND JUSTICE STUDIES

Areas of study: Conveyancing

MARINE SCIENCE AND MANAGEMENT

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

MECHANICAL ENGINEERING

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

MIDWIFERY

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

MUSIC

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

NURSING

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

OCCUPATIONAL THERAPY

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

PEDORTHICS

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

PODIATRY

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

PSYCHOLOGICAL SCIENCE

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

REGIONAL AND URBAN PLANNING

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

SCIENCE

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

SCIENCE (ASSOC DEG)

SCIENCE (DIP)

Recommended studies: Biology, Chemistry, Mathematics

SOCIAL SCIENCE

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

SOCIAL WELFARE

Areas of study: Children and young people, health and disability, Indigenous studies
 Assumed knowledge: Any two units of English

SPEECH PATHOLOGY

Areas of study: Audiology, cultural competency, multi-modal communication neurology, phonetics and linguistics, principles of evidence-based practice
 Assumed knowledge: English (Advanced)
 Recommended studies: Biology

SPORT AND EXERCISE SCIENCE

Areas of study: Education, exercise science, nutrition
 Recommended studies: Mathematics, any two units of English, one or more of Biology, Chemistry, Physics, Personal Development, Health and Physical Education (PDHPE)

TOURISM AND HOSPITALITY MANAGEMENT

Areas of study: Casino and gaming, hotels and resorts, tourism
 Recommended studies: Any two units of English plus Business Studies and/or Hospitality

VISUAL ARTS

Areas of study: Ceramics, curating, digital art and design, drawing, painting, printmaking, sculpture
 Recommended studies: Visual Arts
 Additional selection criteria: Interview, portfolio

DOUBLE DEGREES

Refer to the assumed knowledge and recommended studies for both components of the double degrees.

- Business/Arts
- Business/Laws
- Environmental Science/Marine Science and Management
- Environmental Science/Planning
- Legal and Justice Studies/Laws
- Music/Laws
- Social Science/Laws
- Sport and Exercise Science/Laws

EDUCATION/TEACHING (COMBINED DEGREES)

- Arts/Education (Primary)
- Arts/Education (Primary/Early Childhood)
- Arts/Education (Primary/Secondary)
- Arts/Education (Secondary)
- Technology/Education (Secondary)



Top Education Institute

top.edu.au
CRICOS provider number 02491D



in alliance with



Enquiries

by post: Top Education Institute
Suite 1, Biomedical Building
1 Central Avenue
Australian Technology Park
Eveleigh NSW 2015

in person: Suite 1, Biomedical Building
1 Central Avenue
Australian Technology Park
Eveleigh NSW 2015

telephone: (02) 9209 4888
email: admission@top.edu.au

READ THIS FIRST

Top Education Institute offers courses through the Sydney City School of Business and the Sydney City School of Law on-campus in Australian Technology Park, Sydney.

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

Sydney City School of Business

APPLIED FINANCE AND ACCOUNTING

APPLIED FINANCE AND ACCOUNTING (DIP)

Areas of study: Accounting, economics, finance, financial planning, financial systems and instruments, law, management, security analysis and pricing

Recommended studies: Mathematics

BUSINESS (DIP)

Areas of study: Accounting, economics, finance, management, statistics

Recommended studies: Business Studies

INTERNATIONAL BUSINESS

Areas of study: Accounting, business, economics, finance, law, management, statistics

Recommended studies: Business Studies, Mathematics

Sydney City School of Law

LAWS

Areas of study: Law, including commercial, criminal, cyber, environmental, international, property, technology

Assumed knowledge: Any two units of English

Recommended studies: English (Advanced)

Torrens University Australia

torrens.edu.au
CRICOS provider number 03389E



Enquiries

by post: Torrens University Australia
1-5 Hickson Road
The Rocks NSW 2000

in person: 1-5 Hickson Road
The Rocks NSW 2000

telephone: 1300 575 803
email: via torrens.edu.au/contact-us
facebook: facebook.com/TorrensUni
website: torrens.edu.au

Billy Blue College of Design

by post: Billy Blue at Torrens University
Level 1, 46-52 Mountain Street
Ultimo NSW 2007

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

telephone: 1300 575 803
email: info@billyblue.edu.au
facebook: facebook.com/BillyBlueCollegeofDesign
website: billyblue.edu.au

Media Design School

by post: MDS at Torrens University
46-52 Mountain Street,
Ultimo NSW 2007

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

telephone: 1300 575 803
email: via mediadesignschool.tua.edu.au/contact
facebook: facebook.com/
MediaDesignSchoolatTorrens
website: mediadesignschool.tua.edu.au

Blue Mountains International Hotel Management School

by post: BMIHMS at Torrens University
PO Box A256
Sydney South NSW 1235

in person: 1 Chambers Road
Leura NSW 2780

telephone: (02) 9307 4600
email: enquiry@bluemountains.edu.au
facebook: facebook.com/BMIHMSAustralia
website: bluemountains.edu.au
Instagram: @bmihms

William Blue College of Hospitality Management

by post: William Blue at Torrens University
Level 3, 1-5 Hickson Road,
The Rocks NSW 2000

in person: Level 3, 1-5 Hickson Road
The Rocks NSW 2000

telephone: 1300 851 237
email: enquiries@williamblue.edu.au
facebook: facebook.com/wbcollege
website: williamblue.edu.au

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

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

Torrens University Australia (TUA) offers a range of career programs in Business, Education, Hospitality, Design, Health, Project Management and Sports Management for study on-campus, online or a hybrid of both. TUA's programs are run through a combination of well-known, established schools and Torrens University's own business and health degrees.

APPLIED PUBLIC HEALTH

Areas of study: Health monitoring and screening at a population level; health promotion campaigns and advocacy; health policy; planning, implementing and evaluating health programs
Recommended studies: Any two units of science

BEAUTY AND SPA PRACTICE (DIP)

Areas of study: Beauty and spa practice, aesthetic electrotherapy, aesthetic practice with technology, manual aesthetic techniques, foundations of aesthetics

Additional selection criteria: Applicants must be 18 years or older at the course commencement date. Applicants must also be able to demonstrate the ability to undertake study at the required level.

BUSINESS

Event Management
Marketing
Public Relations
Sports Management

Areas of study: Business accounting, business and law, economics, ethics and sustainability, marketing, project management, strategic management

Recommended studies: Business Studies

BUSINESS (DIP)

Areas of study: Financial planning, marketing, project management, risk management

Recommended studies: Business Studies

BUSINESS ADMINISTRATION (DIP)

Areas of study: Administrative systems, financial planning, project management, risk management

COMMERCE

Recommended studies: Business Studies, Mathematics

COUNSELLING & COMMUNICATION SKILLS (DIP)

Areas of study: Introduction to ageing, introduction to disability, introduction to human services, interpersonal communication, human development across the lifespan, health and wellbeing, digital fluency

EVENT MANAGEMENT (DIP)

Areas of study: Event planning and management, hospitality accounting, risk management

HEALTH SCIENCE**Aesthetics**

Areas of study: Aesthetics, aesthetic electrotherapy, aesthetic practice with technology, manual aesthetic techniques, human biology, cosmetic chemistry, human anatomy and physiology, foundations of aesthetics, digital fluency

Recommended studies: Any two units of science

HUMAN SERVICES**Disability****Ageing**

Areas of study: Digital fluency, health and wellbeing, human development across the lifespan, interpersonal communication, introduction to ageing, introduction to disability, introduction to human services

INTERNATIONAL BUSINESS (DIP)

Areas of study: Financial planning and reporting, international marketing, market analysis, project management, risk management

MARKETING (DIP)

Areas of study: Consumer behaviour, market trends and development, marketing activities

NUTRITION

Areas of study: Analyse and develop health programs, nutritional needs of the human body, understanding nutrition needs on a global scale

PROJECT MANAGEMENT (DIP)

Areas of study: Communication, financial planning, project management, resourcing, team management

SPORT DEVELOPMENT (DIP)

Areas of study: Athlete health and wellbeing; coaching practices; developing sports participation; drugs in sport; essentials of sports marketing; event management; high performance training and injury management principles; risk, law and work health and safety; staff recruitment

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

Billy Blue College of Design**BRANDED ENVIRONMENTS**

Areas of study: 3D design, branded spaces, branded virtual environments, commercial and special environments, interior design
Recommended studies: Visual Arts, Design and Technology

BRANDED FASHION DESIGN

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

COMMUNICATION DESIGN

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

DESIGN (DIP)

Areas of study: Branded fashion, communication design, design fundamentals, digital media, interior design, moving image and 3D design and production
Recommended studies: Visual Arts

DIGITAL MEDIA DESIGN**Interaction Design****Film and Video Design****3D Design and Animation**

Areas of study: 3D design, character design, cinematography, compositing, content production, editing, lighting, interaction, motion graphics, user behaviour

Recommended studies: Information Processes and Technology, Visual Arts, Design and Technology

DIGITAL MEDIA DESIGN (DIP)

Areas of study: 3D design and animation, concept development, design fundamentals, interactive design, motion design

Recommended studies: Visual Arts plus Information Processes and Technology or Design and Technology

INTERIOR DESIGN**Commercial****Residential**

Recommended studies: Visual Arts, Design and Technology

INTERIOR DESIGN AND DECORATION (DIP)

Recommended studies: Visual Arts, Design and Technology

PHOTO IMAGING (DIP)

Areas of study: Digital photography, history, photo imagery

Recommended studies: Visual Arts

DOUBLE DEGREE

If you intend to study this double degree check the prerequisites, assumed knowledge and recommended studies for both degrees. Contact the College for further details.

Billy Blue College of Design currently offers the following double degree:

- Business/Design

Media Design School

CREATIVE TECHNOLOGIES (GAME ART)

Areas of study: Animation, asset creation, game principles, game studies
Recommended studies: Design and Technology, Visual Arts

MEDIA DESIGN

Areas of study: Creative media strategies, graphic design studio, interactive design studio, motion design studio
Recommended studies: Design and Technology, Visual Arts

SOFTWARE ENGINEERING (GAME PROGRAMMING)

Areas of study: 3D graphic programming, computer graphics, mathematics, software engineering
Course prerequisites: Mathematics General 2
Recommended studies: Visual Arts, Visual Design (not an ATAR course), Information Processes and Technology, Software Design and Development, Mathematics, Physics

Blue Mountains International Hotel Management School

BUSINESS

International Hotel and Resort Management International Event Management

Areas of study: Business, conferences, event management, hotel operations, management, resort management
Recommended studies: Hospitality Examination (Kitchen Operations and Cookery) or Hospitality Examination (Food and Beverage) plus any two units of a language
Additional selection criteria: Interview

William Blue College of Hospitality Management

BUSINESS

BUSINESS (DIP)

BUSINESS (ASSOC DEG)

Hospitality Management

Event Management

Tourism Management

Recommended studies: Hospitality Examination (Kitchen Operations and Cookery) or Hospitality Examination (Food and Beverage) plus any two units of language

CULINARY MANAGEMENT (ASSOC DEG)

Commercial Cookery

Recommended studies: Hospitality Examination (Kitchen Operations and Cookery) or Hospitality Examination (Food and Beverage) plus Food Technology



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University of Canberra

canberra.edu.au
CRICOS provider number 00212K



Enquiries

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Locked Bag 1
University of Canberra
ACT 2601

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Level B, Building 1
Kirinari Street
University of Canberra
Bruce ACT 2617

telephone: 1800 UNI CAN (1800 864 226)
email: study@canberra.edu.au

READ THIS FIRST

- There are no course prerequisites into degree courses at UC.
- UC's Subject Bonus Scheme recognises performance in relevant HSC subjects by awarding bonus points to students applying to UC after Year 12. For more information about UC's Subject Bonus Scheme, visit canberra.edu.au/future-students/applications/apply-now/alternative-entry/bonus-points.

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

ACCOUNTING

Areas of study: Auditing, finance, financial and management accounting, law, systems theory

Recommended studies: *ACT*: English T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major) *NSW*: English (Advanced), Mathematics

ADVERTISING

Areas of study: Advertising, brand management, communication studies

APPLIED ECONOMICS

Areas of study: Professional economics

Recommended studies: *ACT*: English T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major) *NSW*: English (Advanced), Mathematics

ARCHITECTURE

Areas of study: Architecture design

ARTS

Areas of study: Accounting, advertising, applied economics, applied statistics, architecture history and theory, communication studies, community development, community studies, counselling studies, creative writing, cultural heritage practice, digital design and production, English language and literature, event management, financial services, governance and policy, graphic design studio, human nutrition, Indigenous studies, information systems, integrated environmental management, international studies, journalism, justice studies, language studies, law and society, law and technology, literary studies, management, managing human resources, marketing, media and public affairs, media arts, museum studies, national security, politics and government, politics and international relations, psychology, public relations, service management, sociology and social policy, sport business, sport management, storytelling, teaching English to speakers of other languages (TESOL), tourism management, web design and production

AUSTRALIAN POLITICS AND PUBLIC POLICY

Areas of study: Australian politics, public policy

BIOMEDICAL SCIENCE

Areas of study: Human biology: chemical and molecular principles, human biology: from cells to organism

Recommended studies: *ACT*: Biology T (Major) and/or Chemistry T (Major), Mathematical Methods T (Major) *NSW*: Biology and/or Chemistry, Mathematics

BUILDING AND CONSTRUCTION MANAGEMENT

Areas of study: Building and construction management

BUSINESS (DIP)

Areas of study: Accounting, business, finance, law, management, marketing

BUSINESS ADMINISTRATION

Areas of study: Business administration

Recommended studies: *ACT*: Mathematical Methods T (Major) *NSW*: Mathematics

BUSINESS INFORMATICS

BUSINESS INFORMATICS (DIP)

Areas of study: Business informatics, information systems

COMMERCE

Areas of study: Accounting, banking and financial services, business administration, economics, financial planning, human resource management, information systems, international business, marketing management, public sector management, tourism management

Recommended studies: *ACT*: Mathematical Methods T (Major)/Specialist Mathematics T (Major), English T (Major) *NSW*: Mathematics, English (Advanced)

COMMUNICATION (DIP)

Areas of study: Advertising, communication, public relations

DESIGN

Areas of study: Design, industrial design, interior architecture, landscape architecture

Recommended studies: *ACT*: Mathematical Methods T (Major)/Specialist Mathematics T (Major), English T (Major) *NSW*: Mathematics, English (Advanced)

Additional selection criteria: Students may be considered for entry based on portfolio submission and/or interview

DESIGN (DIP)

Areas of study: Design, industrial design, interior architecture, landscape architecture

EDUCATION

Areas of study: Early childhood, key learning areas, primary curriculum and pedagogy, teacher professional practice

Recommended studies: *ACT*: English T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major) *NSW*: English (Advanced), Mathematics

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

EDUCATIONAL STUDIES

Areas of study: International education, primary curriculum and pedagogy

This course is not a teaching qualification.

ENGINEERING IN NETWORK AND SOFTWARE ENGINEERING

Areas of study: Network engineering

Recommended studies: *ACT*: Mathematical Methods T (Major)/Specialist Mathematics T (Major), English T (Major) *NSW*: Mathematics, English (Advanced)

ENTREPRENEURSHIP AND INNOVATION

Areas of study: Entrepreneurial management

ENVIRONMENTAL SCIENCE

Areas of study: Applied ecology, coastal marine science, earth science, ecological conservation, environmental assessment, environmental chemistry, environmental genetics, environmental management, integrated environmental management, sustainability, water science

Recommended studies: *ACT*: Mathematical Methods T (Major), Biology T (Major) and/or Chemistry T (Major) *NSW*: Mathematics, Biology and/or Chemistry

EVENT AND TOURISM MANAGEMENT

Areas of study: Event and tourism management

EXERCISE PHYSIOLOGY AND REHABILITATION

Areas of study: Sport coaching, sports science

Recommended studies: *ACT*: Biology T (Major), Chemistry T (Major), Mathematical Methods T (Major), Physics T (Major) *NSW*: Biology, Chemistry, Mathematics, Physics

A National Police Check and Working with Vulnerable People clearance is required for placement units.

FILM PRODUCTION

Areas of study: Film production

FINANCE

Areas of study: Banking and financial services, financial planning

Recommended studies: *ACT*: English T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major) *NSW*: English (Advanced), Mathematics

FORENSIC STUDIES

Areas of study: Forensic biology, forensic chemistry

Recommended studies: *ACT*: Biology T (Major) and/or Chemistry T (Major), Mathematical Methods T (Major) *NSW*: Biology and/or Chemistry, Mathematics

GRAPHIC DESIGN

Areas of study: Digital design and production, graphic design studio

HERITAGE, MUSEUMS AND CONSERVATION

Areas of study: Conservation, cultural heritage practice, heritage studies, museum studies

HUMAN NUTRITION

Areas of study: Human nutrition

Recommended studies: *ACT*: Chemistry T (Major), Mathematical Methods T (Major) *NSW*: Chemistry, Mathematics

HUMAN RESOURCE MANAGEMENT

Areas of study: Human resource management

INDUSTRIAL DESIGN

Areas of study: Industrial design

Recommended studies: *ACT*: English T (Major), Mathematical Methods T (Major) *NSW*: English (Advanced), Mathematics

Additional selection criteria: Students may be considered for entry based on portfolio submission and/or interview

INFORMATION TECHNOLOGY

Areas of study: Information systems, software engineering

Recommended studies: *ACT*: Mathematical Methods T (Major)/Specialist Mathematics T (Major), English T (Major) *NSW*: Mathematics, English (Advanced)

INFORMATION TECHNOLOGY (DIP)

Areas of study: Information systems, software engineering

INTERIOR ARCHITECTURE

Areas of study: Commercial design; exhibition design; film, TV and stage set design; furniture design; heritage interiors; hospitality design; residential design; retail design

Recommended studies: *ACT*: English T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major) *NSW*: English (Advanced), Mathematics

Additional selection criteria: Students may be considered for entry based on portfolio submission and/or interview

INTERNATIONAL BUSINESS

Areas of study: International business

INTERNATIONAL STUDIES

Areas of study: International studies

JOURNALISM

Areas of study: Communication studies, journalism

JUSTICE STUDIES

Areas of study: Justice studies

LANDSCAPE DESIGN

Areas of study: Landscape design

Recommended studies: *ACT*: English T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major) *NSW*: English (Advanced), Mathematics

Additional selection criteria: Students may be considered for entry based on portfolio submission and/or interview

LAW**LAW (COMBINED)**

The following combined Law courses are offered:

- Applied Economics/Laws
- Arts/Laws
- Australian Politics and Public Policy/Laws
- Business Informatics/Laws
- Commerce/Laws
- Communication in Advertising/Laws
- Communication in Journalism/Laws
- Communication in Media and Public Affairs/Laws
- Communication in Public Relations/Laws
- Forensic Studies/Laws
- Human Resource Management/Laws
- International Studies/Laws
- Management/Laws
- Politics and International Relations/Laws
- Science/Laws
- Science in Psychology/Laws
- Social Science/Laws
- Sports Media/Laws

Requirements: *For Law:* None *For the other areas of study:* Refer to the relevant entry requirements

MANAGEMENT

Areas of study: Entrepreneurial management, governance and policy, government and politics, management, public sector management

MARKETING MANAGEMENT

Areas of study: Marketing management

MEDIA AND PUBLIC AFFAIRS

Areas of study: Communication studies, media and public affairs

MEDIA ARTS AND PRODUCTION

Areas of study: Advanced media arts

MEDICAL SCIENCE

Areas of study: Biological chemistry, human biology: from cells to organism

Recommended studies: *ACT:* Chemistry T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major) *NSW:* Chemistry, Mathematics

MIDWIFERY

Areas of study: Midwifery practice theory, midwifery professional theory, midwifery theory

Recommended studies: *ACT:* Biology T (Major), Chemistry T (Major), English T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major) *NSW:* Biology, Chemistry, English (Advanced), Mathematics

Additional selection criteria: Supplementary application form, CV

All students enrolled in B Midwifery are required to undergo a National Police Check prior to undertaking clinical experience. All students are also required to present an immunisation history.

NETWORK AND SOFTWARE ENGINEERING (DIP)

Areas of study: Network and software engineering

NURSING

Areas of study: Nursing inquiry, professional nursing practice

Recommended studies: *ACT:* Biology T (Major), Chemistry T (Major), English T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major) *NSW:* Biology, Chemistry, English (Advanced), Mathematics

All students enrolled in B Nursing are required to undergo a National Police Check prior to undertaking clinical experience. All students are also required to present an immunisation history.

PHARMACEUTICAL SCIENCE

Areas of study: Pharmaceutical science

Recommended studies: *ACT:* Chemistry T (Major), Mathematical Methods T (Major) *NSW:* Chemistry, Mathematics

A National Police Check and full vaccination history may be required for the professional practice unit.

PHARMACY

Areas of study: Pharmacotherapeutics, pharmacy practice

Recommended studies: *ACT:* Mathematical Methods T (Major) plus Biology T (Major) or Human Movement T (Major), plus Chemistry T (Major) or Physics T (Major) *NSW:* Mathematics plus Biology or Personal Development, Health and Physical Education (PDHPE), plus Chemistry or Physics

All students are required to undergo a National Police Check prior to undertaking clinical experience. All students are also required to present an immunisation history.

PHYSIOTHERAPY

Areas of study: Physiotherapy interventions, physiotherapy practice

Recommended studies: *ACT:* Mathematical Methods T (Major) plus Biology T (Major) or Human Movement T (Major), plus Chemistry T (Major) or Physics T (Major) *NSW:* Mathematics plus Biology or Personal Development, Health and Physical Education (PDHPE), plus Chemistry or Physics

All students are required to undergo a National Police Check prior to undertaking clinical experience. All students are also required to present an immunisation history and first-aid certificates, including CPR.

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: Psychological science

PUBLIC ADMINISTRATION

Areas of study: Public sector management

PUBLIC HEALTH

Areas of study: Biology; community development; community studies; counselling studies; human biology: chemical and molecular principles; human biology: from cells to organism; human nutrition; information systems; international studies; management; management, governance and policy; marketing; pre-physiotherapy; psychology: an introduction; public health; sports science; sustainability

PUBLIC RELATIONS

Areas of study: Communication studies, public relations

SCIENCE

Areas of study: Applied ecology, applied statistics, biology, chemistry, ecological conservation, environmental assessment, human biology: chemical and molecular principles, human biology: from cells to organism, human nutrition, information systems, integrated environmental management, psychological science, software engineering, sports science, water science

Recommended studies: *ACT:* Biology T, English T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major), plus Chemistry T or Physics T (Major) *NSW:* Biology, English (Advanced), Mathematics plus Chemistry or Physics

SCIENCE (DIP)

Areas of study: Biology, chemistry, physical science, science

SOCIAL SCIENCE

Areas of study: Indigenous studies, sociology and social policy

SOFTWARE ENGINEERING

Areas of study: Software engineering

Recommended studies: *ACT*: Mathematical Methods T (Major)

NSW: Mathematics

SPORT AND EXERCISE SCIENCE

Areas of study: Sport coaching, sports science

Recommended studies: *ACT*: Biology T (Major), Chemistry T (Major), Mathematical Methods T (Major)/Specialist Mathematics T (Major), Physics T (Major) *NSW*: Biology, Chemistry, Mathematics, Physics

A National Police Check may be required for practical placement units.

SPORTS MANAGEMENT

Areas of study: Sport management

Recommended studies: *ACT*: Mathematical Methods T (Major)/Specialist Mathematics T (Major), English T (Major) *NSW*: Mathematics, English (Advanced)

A National Police Check may be required for practical placement units.

SPORTS MEDIA

Areas of study: Journalism, sports media

Recommended studies: *ACT*: History T (Major) *NSW*: Modern History

URBAN AND REGIONAL PLANNING

Areas of study: Urban and regional planning

WEB DESIGN AND PRODUCTION

Areas of study: Web design and production

WRITING

Areas of study: Creative writing, literary studies

COMBINED DEGREES

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

The University of Canberra currently offers combined degrees in:

- Advertising/Laws
- Applied Economics/Commerce
- Applied Economics/Laws
- Applied Economics/Management
- Arts/Advertising
- Arts/Commerce
- Arts/Information Technology
- Arts/Journalism
- Arts/Laws
- Arts/Management
- Arts/Media and Public Affairs
- Arts/Media Arts and Production
- Arts/Psychology
- Arts/Public Relations
- Australian Politics and Public Policy/Journalism
- Australian Politics and Public Policy/Laws
- Australian Politics and Public Policy/Media and Public Affairs
- Building and Construction Management/Laws
- Business Administration/Business Informatics
- Business Administration/Management
- Business Informatics/Laws
- Commerce/Advertising
- Commerce/Event and Tourism Management
- Commerce/Journalism
- Commerce/Laws
- Commerce/Media and Public Affairs
- Commerce/Public Relations
- Design/Landscape Architecture
- Education/Arts
- Education/Science
- Event and Tourism Management/Sports Management
- Forensic Studies/Laws
- Graphic Design/Advertising
- Human Resource Management/Laws
- Information Technology/Commerce
- Information Technology/Media Arts and Production
- International Studies/Advertising
- International Studies/Commerce
- International Studies/Event and Tourism Management
- International Studies/Journalism
- International Studies/Laws
- International Studies/Management
- International Studies/Media and Public Affairs
- International Studies/Media Arts and Production
- International Studies/Public Relations
- Journalism/Laws
- Justice Studies/Forensic Studies
- Landscape/Environmental Science
- Management/Laws
- Management/Psychology
- Marketing Management/Advertising
- Media and Public Affairs/Laws
- Politics and International Relations/Applied Economics
- Politics and International Relations/Business Administration
- Politics and International Relations/Commerce
- Politics and International Relations/Journalism
- Politics and International Relations/Laws
- Politics and International Relations/Media and Public Affairs
- Politics and International Relations/Psychology
- Psychology/Laws
- Psychology/Sport and Exercise Science
- Public Relations/Event and Tourism Management
- Public Relations/Laws
- Science/Journalism
- Science/Laws
- Social Science/Laws
- Software Engineering/Business Informatics
- Sport and Exercise Science/Human Nutrition
- Sport and Exercise Science/Information Technology
- Sport and Exercise Science/Sports Management
- Sports Media/Laws

Enquiries

by post: Student Central
University of New England
Armidale NSW 2351

in person: Student Central
Dixon Library Learning Commons
University of New England
Armidale NSW 2351

telephone: Freecall 1800 818 865

email: via une.edu.au/askune

READ THIS FIRST

- Competence in the English language is a requirement for all University of New England courses.
- English (Standard) is not regarded as adequate preparation for the study of English Literature at the University of New England.
- When you read 'any two units of science' this can include Biology, Chemistry, Physics, Earth and Environmental Science or 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 that are generally offered as Bachelor degrees unless Dip, Adv Dip or Assoc Deg is shown in brackets.

ACCOUNTING

Areas of study: Accounting, advanced accounting, agribusiness, finance, tax practitioner

Assumed knowledge: Any two units of English

Recommended studies: Any two units of mathematics

AGRIBUSINESS

Areas of study: Agribusiness, economics, finance, marketing and management, rural science

Assumed knowledge: Any two units of English

Recommended studies: Any two units of mathematics

AGRICULTURAL AND RESOURCE ECONOMICS

Assumed knowledge: Any two units of English

Recommended studies: Any two units of mathematics

AGRICULTURAL PRODUCTION AND MANAGEMENT

Areas of study: Crop production, feedlot management, livestock production, poultry production, production horticulture

Assumed knowledge: Any two units of English, any two units of mathematics

Recommended studies: Agriculture and/or Primary Industries, Biology

AGRICULTURE

Areas of study: Agriculture, agronomy, animal production, animal science, plant production, primary industries, wool science

Assumed knowledge: Any two units of English, any two units of mathematics

Recommended studies: Agriculture, Biology and/or Chemistry

AGRICULTURE/BUSINESS

Areas of study: Accounting, agribusiness, agriculture, animal and plant production, international business, marketing

Assumed knowledge: Any two units of English, any two units of mathematics

ANIMAL SCIENCE

Areas of study: Canine and equine science, livestock production, wildlife management

Assumed knowledge: Any two units of English, Chemistry, Mathematics

Recommended studies: Biology

ARTS

Areas of study: Ancient history, archaeology, Australian history, Chinese (Mandarin), classical languages (Greek/Latin), criminology, English, French, German, history, human geography, Indigenous studies, Indonesian, international history, Islamic studies, Italian, Japanese, linguistics, music, peace studies, philosophy, physical geography, political and international studies, psychology, screen and media studies, sociology, Spanish, studies in religion, theatre and performance, writing

Assumed knowledge: Any two units of English

BUSINESS

Areas of study: Accounting, agribusiness, business analytics, economics, finance, human resource management, international business, management, marketing

Assumed knowledge: Any two units of English

Recommended studies: Any two units of mathematics

COMPUTER SCIENCE

Areas of study: Applied modelling, software development

Recommended knowledge: Mathematics

CRIMINOLOGY

Assumed knowledge: Any two units of English

ECONOMICS

Areas of study: Applied econometrics, economic development, economics, environmental analysis and policy

Assumed knowledge: Any two units of English

Recommended studies: Any two units of mathematics

EDUCATION

Early Childhood and Primary

K–12 Teaching

Assumed knowledge: Minimum of three Band 5 (or E3) HSC results, including one in English. See course entry requirements at my.une.edu.au/courses for full details.

K–6 Teaching

Assumed knowledge: Any two units of English, Mathematics

Secondary Arts

Secondary Mathematics

Secondary Science

Assumed knowledge: *For Secondary Arts:* Any two units of English
For Secondary Mathematics and Secondary Science: Any two units of English, Mathematics

ENVIRONMENTAL SCIENCE

Areas of study: Conservation ecology, envirobusiness, natural resource management, remediation and restoration

Assumed knowledge: Any two units of English, Chemistry, Mathematics

Recommended Studies: Biology

GEOSCIENCE

Areas of study: Digital geological mapping by GIS, environmental geology, geology, ore deposit geology

Assumed knowledge: Any two units of English, Chemistry, Mathematics

Recommended studies: Biology and/or Physics

HISTORICAL INQUIRY AND PRACTICE

Assumed knowledge: Any two units of English
Recommended studies: Ancient History or Modern History

INTERNATIONAL STUDIES

Areas of study: Global politics and peace, languages, societies
Assumed knowledge: Any two units of English

LANGUAGES

Areas of study: Chinese (Mandarin), French, German, Indonesian, Italian, Japanese, Spanish
Assumed knowledge: Any two units of English

LANGUAGES AND INTERNATIONAL BUSINESS

Areas of study: Chinese (Mandarin), French, German, Indonesian, Italian, Japanese, Spanish
Assumed knowledge: Any two units of English
Recommended studies: Mathematics

LAW**LAW (DOUBLE DEGREES)**

Assumed knowledge: *For Law*: Any two units of English *For the other area of study*: Refer to the relevant entry

The following double Law courses are offered:

- Agriculture/Law
- Arts/Law
- Business/Law
- Computer Science/Law
- Criminology/Law
- Economics/Law
- Environmental Science/Law
- Science/Law

MEDIA AND COMMUNICATION STUDIES

Areas of study: Media and culture, writing and publishing
Assumed knowledge: Any two units of English

MEDICINE

Areas of study: Medicine
Recommended studies: Any two units of English
Additional selection criteria: Direct University Joint Medical Program application form, Undergraduate Medicine and Health Sciences Admission Test (UMAT), Multiple Skills Assessment (interview), Personal Qualities Assessment

The medical program is offered jointly by the University of Newcastle and the University of New England.

NURSING

Assumed knowledge: Any two units of English, any two units of science

PHARMACY

Assumed knowledge: Mathematics, Chemistry
Recommended studies: Biology, HSC Mathematics Extension 1 or 2

PSYCHOLOGICAL SCIENCE

Assumed knowledge: Any two units of English
Recommended studies: Any two units of mathematics

PSYCHOLOGY

Assumed knowledge: Any two units of English
Recommended studies: Any two units of mathematics

RURAL SCIENCE

Areas of study: Agricultural systems, animal and plant breeding, animal and plant nutrition, animal and plant physiology, biochemistry, cotton and grain production, farm management, horticultural science, meat science, pasture and crop agronomy, post-harvest technology, sheep and wool science, soil science

Assumed knowledge: Any two units of English, Chemistry, Mathematics
Recommended studies: Biology

SCIENCE**Biomedical**

Assumed knowledge: Mathematics
Recommended studies: Biology, Chemistry and/or Physics

Science

Areas of study: Animal science and veterinary studies, applied physics, archaeology, biochemistry/biotechnology, biodiversity, botany, chemistry, computational science, forensic science, genetics, geography, geoscience, mathematics, medical chemistry, microbiology, neuroscience, palaeobiology, physiology, psychology, zoology
Assumed knowledge: Mathematics
Recommended studies: Depending on degree subjects chosen, Biology, Chemistry and/or Physics

SCIENTIFIC STUDIES

Assumed knowledge: Any two units of English

SOCIAL SCIENCE

Areas of study: Aboriginal perspectives, criminology, health management, linguistics, organisational management, peace and developmental studies, political and international studies, psychology, social philosophy, sociology, urban and regional studies
Assumed knowledge: Any two units of English
Recommended studies: Any two units of mathematics

SOCIAL WORK

Recommended studies: Any two units of English

SPORTS AND EXERCISE SCIENCE**Clinical Exercise Physiology
Exercise and Sports Science**

Assumed knowledge: Any two units of mathematics, Personal Development, Health and Physical Education (PDHPE) and/or any two units of science
Recommended studies: Chemistry and/or Biology

SUSTAINABILITY

Areas of study: Community engagement and development, cultural heritage management, environmental governance, environmental resilience, governance and regulation
Assumed knowledge: Any two units of English
Recommended studies: Any two units of mathematics

THEATRE AND PERFORMANCE

Assumed knowledge: Any two units of English

URBAN AND REGIONAL PLANNING

Assumed knowledge: Any two units of English

ZOOLOGY

Areas of study: Animal behaviour, animal/freshwater/marine ecology, animal physiology, entomology, environmental and comparative physiology, freshwater ecology, marine ecology, parasitology
Assumed knowledge: Any two units of English, Chemistry, Mathematics
Recommended studies: Biology

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.

- Agriculture/Business
- Arts/Business
- Arts/Science
- Business/Economics

Double degrees in Law are also offered. Refer to Law entry for details.

University of Newcastle

newcastle.edu.au
CRICOS provider number 00109J



Enquiries

Newcastle campus (Callaghan)

by post: Student Central Hunter
The University of Newcastle
University Drive
Callaghan NSW 2308

in person: Student Central Hunter
or Student Central Sortland
University Drive
Callaghan NSW 2308
Or
Student Central City located
in the Newcastle City Precinct

telephone: (02) 4921 5000
email: via newcastle.edu.au/askuon

Central Coast campus (Ourimbah)

by post: Student Central Ourimbah
The University of Newcastle
Central Coast Campus
10 Chittaway Road
Ourimbah NSW 2258

in person: Student Central Ourimbah
10 Chittaway Road
Ourimbah NSW 2258

telephone: (02) 4348 4000
email: via newcastle.edu.au/askuon

Port Macquarie campus

by post: The University of Newcastle
Cnr Oxley Highway and Widderson Street
Port Macquarie NSW 2444

in person: Student Central Port Macquarie
Upper level, B Block
Widderson Street
Port Macquarie NSW 2444

telephone: (02) 4921 5000
email: via newcastle.edu.au/askuon

READ THIS FIRST

- The University of Newcastle recognises performance in relevant HSC subjects. For information about the University of Newcastle's HSC Bonus Points Scheme, visit newcastle.edu.au.
- The University of Newcastle offers a number of refresher and preparation courses to assist students who may not have the recommended studies or assumed knowledge requirements. The preparation courses are offered before term commences and cover many areas such as mathematics, chemistry, physics and other specific academic skills. Information about preparation courses is available on the University of Newcastle website at newcastle.edu.au/future-students/uonprep-bridging-courses/about-uonprep-bridging-courses.
- Not all campuses offer all courses and areas of study. Visit the University website for course locations.

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

ABORIGINAL PROFESSIONAL PRACTICE

Areas of study: Aboriginal cultural studies, Aboriginal research methods and field practice, communication studies

ARTS

Areas of study: Aboriginal studies; ancient history and classical languages; Chinese; creative and performing arts; English and writing; film, media and cultural studies; French; German; history; human geography and the environment; Japanese; linguistics; philosophy and religion; politics and international relations; psychology studies*; sociology and anthropology

Recommended studies: *For psychology studies: Mathematics For all other majors: English (Advanced)*

* Psychology studies are not accredited by the Australian Psychology Accreditation Council.

BIOMEDICAL SCIENCE

Areas of study: Advanced medical research, anatomy, biochemistry, immunology, industry and education, medical genetics, physiology
Assumed knowledge: Mathematics, Chemistry, Physics, Biology

BIOTECHNOLOGY

Areas of study: Biochemistry, biomolecules, laboratory skills in biological systems, molecular genetics, plant cell and molecular biology, statistics for the sciences
Assumed knowledge: Mathematics, Chemistry
Recommended studies: Physics

BUSINESS

Areas of study: Entrepreneurship and innovation, governance, human resource management, international business, leadership and management, marketing, policy and political economy, sports management, tourism
Assumed knowledge: Mathematics

COMMERCE

Areas of study: Accounting, economics, finance
Assumed knowledge: Mathematics

COMMUNICATION

Areas of study: Journalism, media production, media studies, public relations
Assumed knowledge: Any two units of English

COMPUTER SCIENCE

Areas of study: Computer systems and robotics, data science, software development
Assumed knowledge: Mathematics (Band 5)
Recommended studies: HSC Mathematics Extension 1

CONSTRUCTION MANAGEMENT

Areas of study: Building information modelling, building surveying and estimating, communication, construction ecology, construction technology, economics, facilities management, finance, health and safety, law, management, procurement, tendering
Recommended studies: Any two units of English, Mathematics

CREATIVE INDUSTRIES

Areas of study: Communication and media; creative and performing arts; design; information technology; music; visual art: imaging technologies; visual art: studio practices; writing and publishing

Assumed knowledge: Any two units of English

Recommended studies: One or more of English (Advanced); Drama; Design and Technology; Information Processes and Technology; any two units of music; Software Design and Development; Photography, Video and Digital Imaging (not an ATAR course); Visual Arts

DESIGN (ARCHITECTURE)

Areas of study: Architectural history: aesthetics, composition and proportion; the architectural site as landscape; clients and their architectural briefs; communication in the built environment; construction and detailing of buildings; construction ecology; construction technology; digital and parametric design processes; history and theory in the built environment; making conceptual and realistic models; sustainable design practices

Recommended studies: Any two units of English, plus Ancient History or Modern History, plus one or more of Visual Arts, Design and Technology, Industrial Technology

DEVELOPMENT STUDIES

Areas of study: Cultures and citizenship, environmental sustainability, globalisation and economic development, urban and regional development

ENGINEERING

Chemical

Areas of study: Automatic control, chemical engineering principles, fluid mechanics, green engineering and sustainability processes, heat transfer and design of energy systems, kinetics and reaction engineering, mass transfer and separation processes, process control, particle processing, separations involving solids, liquids, and gases, thermodynamics

Assumed knowledge: Mathematics (Band 5), any two units of science

Recommended studies: HSC Mathematics Extension 1 plus Physics or Chemistry

Civil

Areas of study: Calculus of science and engineering, civil engineering materials, engineering computation, engineering mechanics, fluid mechanics, geomechanics, hydrology, reinforced concrete design, steel design, stress and finite element methods, structural engineering, surveying, theory of structures, transportation engineering and design, water engineering

Assumed knowledge: Mathematics (Band 5)

Recommended studies: HSC Mathematics Extension 1, any two units of science

Computer Systems

Areas of study: Advanced computer systems, advanced physics, calculus of science and engineering, computer engineering, electrical engineering, embedded systems, engineering mathematics, procedural programming, programmable logic design, quantum mechanics and semiconductor physics, signals and systems

Assumed knowledge: Mathematics (Band 5)

Recommended studies: HSC Mathematics Extension 1 plus Physics or Chemistry

Electrical and Electronic

Areas of study: Analog and digital communications, automatic control, computer engineering, electric energy systems, electric machines and power systems, electrical engineering design, electronics, engineering mathematics, physics, procedural programming, signals and systems

Assumed knowledge: Mathematics (Band 5)

Recommended studies: HSC Mathematics Extension 1 plus Physics or Chemistry

Environmental

Areas of study: Calculus of science and engineering, engineering computations and probability, environmental chemistry, environmental legislation and planning, fluid mechanics, geomechanics, hydrobiological modelling, hydrology, land surface process and management, spatial data systems and remote sensing, water engineering

Assumed knowledge: Mathematics (Band 5)

Recommended studies: HSC Mathematics Extension 1 plus Physics or Chemistry

Mechanical

Areas of study: Advanced materials and manufacturing, bulk solids handling, computer-aided engineering, design, fluid dynamics, mathematics, mechanics, physics, thermodynamics

Assumed knowledge: Mathematics (Band 5)

Recommended studies: HSC Mathematics Extension 1 plus Physics or Chemistry

Mechatronics

Areas of study: Computer-integrated manufacturing, computer networks, control systems, electrical systems, electronic design, engineering management, finite element analysis, heat transfer, mechanical engineering design, mechanics of fluids and solids, microprocessor systems, modelling and simulation, sensors and actuators

Assumed knowledge: Mathematics (Band 5)

Recommended studies: HSC Mathematics Extension 1 plus Physics or Chemistry

Mining transfer program

The mining engineering degree is comprised of two years' study at UON. Upon successful application through UAC the remaining two years are undertaken at the UNSW Sydney or the University of Wollongong. The studies undertaken at UON are the same as the first two years of our Civil Engineering program. For areas of study, assumed knowledge and recommended studies refer to the Civil Engineering entry.

Software

Areas of study: Algorithmics, computer engineering, database management systems, discrete mathematics, enterprise software architectures, formal languages and automata, internet communication, network and distributed computing, operating systems, programming languages and paradigms, software architecture and quality management, software development, web engineering

Assumed knowledge: Mathematics (Band 5)

Recommended studies: HSC Mathematics Extension 1 plus Physics or Chemistry

Surveying

Areas of study: Cadastral surveying, geodesy, geotechnical engineering, industrial surveying, photogrammetry, satellite positioning, spatial data systems and remote sensing, surveying techniques and computations, town planning, water engineering

Assumed knowledge: Mathematics (Band 5)

Recommended studies: HSC Mathematics Extension 1

ENVIRONMENTAL SCIENCE AND MANAGEMENT

Areas of study: Biological and earth processes, environmental planning and impact assessment, environmental remote sensing and computer-based mapping, environmental sampling and data analysis, environmental values, land management, social development and the environment, sustainability and ethics

Assumed knowledge: Mathematics plus Chemistry or Biology

EXERCISE AND SPORT SCIENCE

Areas of study: Biomechanics; exercise physiology; exercise testing and prescription; growth, development and ageing; motor control and learning; sport and exercise psychology; sports nutrition

Assumed knowledge: At least two of Biology, Chemistry, Mathematics, Physics

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

FOOD SCIENCE AND HUMAN NUTRITION

Areas of study: Biomedical science, chemistry, food analysis, food and nutrition, food product development, functional foods and health claims, macronutrients, micronutrients, nutrition in health and disease, plant and animal food products

Recommended studies: Biology or Chemistry or Mathematics

INDUSTRIAL DESIGN

Areas of study: Computer imaging, design history, ethics, industrial design innovation project, industrial design professional project, materials and processes, model making, production drawing, research and writing, sustainability, visual communication techniques

Additional selection criteria: Successful completion of a TAFE NSW Advanced Diploma of Industrial Design (or approved equivalent)

The first three years of this program are completed at TAFE, followed by one year full-time at the University of Newcastle. Visit the University website for further information.

INFORMATION TECHNOLOGY

Areas of study: Business analysis, computing fundamentals, databases and information management, foundations of information systems, human computer interaction, programming, project management, systems analysis and design, systems and network administration, web technologies
Assumed knowledge: Any two units of English

INTEGRATED CARE IN AGEING (ASSOC DEG)

Areas of study: Health assessment, health service delivery, leadership and management, physiological function and the ageing life cycle
Additional selection criteria: Successful completion of a minimum of a Certificate III qualification in aged care or a related field, and employed either part-time or full-time in aged care or a related industry such as community and disability services and allied health.

LANGUAGES (DIP)

Areas of study: Auslan (Australian sign language), Chinese, French, German, Greek, Japanese, Latin

LAWS (COMBINED)

The following combined Law courses are offered:

- Aboriginal Professional Practice/Laws
- Arts/Laws
- Business/Laws
- Commerce/Laws
- Communication/Laws
- Science/Laws
- Social Science/Laws
- Communication/Laws

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

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

MATHEMATICS

Areas of study: Complex analysis, differential equations, linear algebra, number theory, numerical methods, statistics, topology
Assumed knowledge: Mathematics
Recommended studies: HSC Mathematics Extension 1

MEDICAL RADIATION SCIENCE (DIAGNOSTIC RADIOGRAPHY)

Areas of study: Anatomy and physiology, clinical education, instrumentation, physics, radiation protection, research
Assumed knowledge: Any two units of English plus Mathematics or Physics

MEDICAL RADIATION SCIENCE (NUCLEAR MEDICINE)

Areas of study: Anatomy, molecular imaging, nuclear medicine instrumentation and radiopharmacy, nuclear medicine theory, patient care, physiology, psychology, research
Assumed knowledge: Any two units of English plus Mathematics or Physics

MEDICAL RADIATION SCIENCE (RADIATION THERAPY)

Areas of study: Anatomy, behavioural science, clinical methods, imaging and treatment technologies, oncology physiology, research
Assumed knowledge: Any two units of English plus Mathematics or Physics

MEDICINE

The medical program is offered jointly by the University of Newcastle and the University of New England.

Areas of study: Engaging in medical practice, essentials of medical practice, extension of medical practice
Recommended studies: Any two units of English
Additional selection criteria: Direct University Joint Medical Program application form, Undergraduate Medicine and Health Sciences Admission Test (UMAT), Multiple Skills Assessment (interview), Personal Qualities Assessment

MIDWIFERY

Areas of study: Antenatal care, care of the newborn baby, labour and birthing care, postnatal care
Assumed knowledge: Any two units of English (Band 4), Mathematics General 2, Biology and/or Chemistry
Recommended studies: English (Standard), Mathematics General 2, Biology and/or Chemistry
Additional selection criteria: Direct University B Midwifery Clinical Placement Preference application form, Personal Qualities Assessment

MUSIC

Areas of study: Composition, creative production, music research and communication, music teaching and pedagogy, performance (instrumental/voice), song writing
Assumed knowledge: Music 1 or demonstrated musical experience or qualification equivalent to Music 1 or AMEB (Grade 6 to 8 pass)
Additional selection criteria: Audition, interview, tests

NATURAL HISTORY ILLUSTRATION

Areas of study: Traditional and digital illustration techniques plus specialised laboratory applications
Recommended studies: One or more of Visual Arts, Textiles and Design, Design and Technology, Investigating Science, Biology, Geography

NURSING

Areas of study: Aged care; human bioscience; mental health; primary, secondary and tertiary nursing
Assumed knowledge: Any two units of English plus General Mathematics 2, Chemistry and/or Biology

NUTRITION AND DIETETICS

Areas of study: Basic and applied sciences, food service and management, medical nutrition therapy, professional practice, public health nutrition, social sciences
Recommended studies: Chemistry

OCCUPATIONAL THERAPY

Areas of study: Anatomy and physiology; biomedical, behavioural and occupational sciences and therapy; mental health; psychology; sociology and community development
Recommended studies: Biology, Mathematics

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
Assumed knowledge: Mathematics (Band 5), English (Advanced), Chemistry, Physics
Recommended studies: HSC Mathematics Extension 1

PHYSIOTHERAPY

Areas of study: Advanced anatomy and physiology, clinical physiotherapy studies, community health, health promotion, research methodology
Assumed knowledge: English (Advanced), Chemistry plus Physics or Biology

PODIATRY

Areas of study: Anatomy, physiology and biomechanics, podiatric theory
Assumed knowledge: Chemistry, Mathematics

PSYCHOLOGY

Areas of study: Clinical and abnormal behaviour, cognition and information processing, developmental psychology, neuroscience, perceptual processes and learning theory, psychopharmacology, research methodology, social psychology and personality, statistics
Assumed knowledge: Mathematics
Recommended studies: Biology

SCIENCE

Areas of study: Biological sciences, chemistry, earth sciences, geography, marine science, mathematics, photonics, physics, psychology, statistics, sustainable resource management
Assumed knowledge: Mathematics
Recommended studies: Biology and/or Chemistry and/or Physics depending on major area of study

SOCIAL SCIENCE

Areas of study: Aboriginal studies, community welfare and human services, criminology, history, human geography and the environment, human resource management, linguistics, politics and international relations, psychology studies*, sociology and anthropology, tourism
Recommended studies: *For psychology studies:* Mathematics
For all other majors: English (Advanced)

* *Psychology studies are not accredited by the Australian Psychology Accreditation Council.*

SOCIAL WORK

Areas of study: Aboriginal studies, law, philosophy, psychology, social work, sociology and anthropology
Recommended studies: *For psychology:* Mathematics

SPEECH PATHOLOGY

Areas of study: Acquired and developmental human communication disorders, audiology, communication disorders of neurological origin, phonological and articulatory disorders, stuttering, swallowing disorders, voice disorders
Recommended studies: Biology, Chemistry, Mathematics, English (Advanced)

TEACHING

Early Childhood and Primary

Areas of study: Aboriginal education, behaviour management, children's learning and growth across the span of birth to 12 years, ethics and professional codes of conduct, families and society, language and mathematical learning, policy and issues, programming and planning for children aged 0 to 5 years, psychology of learning and teaching, special education
Assumed knowledge: HSC Band 5 results in a minimum of three subjects, one of which must be English
Recommended studies: Mathematics

Health and Physical Education

Areas of study: Aboriginal studies, coaching physical activity behaviour, health, outdoor education, physical education, research methods, secondary teaching and learning, sociology of sport, special education, sport and educational psychology, sport, sports science
Assumed knowledge: HSC Band 5 results in a minimum of three subjects, one of which must be English
Recommended studies: Personal Development, Health and Physical Education (PDHPE) plus one of Biology, Chemistry, Physics

Humanities

Areas of study: Aboriginal studies, educational psychology and sociology, multi-literacies, research methods, secondary teaching and learning, special education
Assumed knowledge: HSC Band 5 results in a minimum of three subjects, one of which must be English
Recommended studies: HSC study in the area of your preferred teaching specialisation

Mathematics

Areas of study: Algebra, calculus, discrete mathematics, geometry, mathematical modelling, software use for teaching/instruction, statistics
Assumed knowledge: Mathematics, HSC Band 5 results in a minimum of three subjects, one of which must be English
Recommended studies: HSC Mathematics Extension 1

Primary

Areas of study: Aboriginal and Indigenous studies, creative arts, digital technology and teaching the digital generation, engaging through science and maths, global education and sustainable communities, health and physical education, languages and cultural studies, religion education, teaching English as an additional language or dialect
Assumed knowledge: HSC Band 5 results in a minimum of three subjects, one of which must be English
Recommended studies: Mathematics

Science

Areas of study: Chemical sciences, earth sciences, history and nature of science, language used in communicating areas of science, life sciences, physical sciences
Assumed knowledge: HSC Band 5 results in a minimum of three subjects, one of which must be English
Recommended studies: Any two units of science, one of which is Physics or Chemistry

Technology

Areas of study: Design technologies or computing technologies
Assumed knowledge: HSC Band 5 results in a minimum of three subjects, one of which must be English
Recommended studies: Any two units of science *For honours:* HSC study in the area of your preferred teaching specialisation

TECHNOLOGY (RENEWABLE ENERGY SYSTEMS)

Areas of study: Electrical engineering (quantum mechanicals and semiconductor physics, electric machines and power systems, power electronics and renewable energy systems, principles and design of off-grid power systems, automatic control), mechanical engineering (mechatronic systems, thermofluids, mechanical engineering design, materials science and engineering, renewable energy conversion)
Additional selection criteria: Successful completion of Assoc Deg Engineering (Renewable Energy Technologies) from TAFE NSW (or equivalent)

VISUAL COMMUNICATION

Areas of study: Advertising, animation, graphic design, human-centred design, illustration, information design, motion graphics, multimedia, publishing, transmedia, web design
Recommended studies: One or more of Visual Arts, Design and Technology, Textiles and Design, Industrial Technology

COMBINED PROGRAMS

If you intend to undertake combined programs, check the prerequisites, assumed knowledge and recommended studies for both programs.

Not all specialisations or majors within a program may be available within a combined program. Visit the University website for further details.

- Arts/Science
- Business/Commerce
- Civil Engineering/Environmental Engineering
- Engineering/Business
- Engineering/Computer Science
- Engineering/Mathematics
- Engineering/Science
- Engineering/Surveying
- Information Technology/Business
- Mathematics/Computer Science
- Mathematics/Science
- Mechanical Engineering/Mechatronics Engineering
- Music/Arts

Combined programs in Laws are also offered. Refer to Laws entry for details.

All programs are subject to routine review. This may result in slight variations in subject offerings. Program list correct at time of printing.

Enquiries

by post: Admissions, Level 4,
Jane Foss Russell Building
The University of Sydney NSW 2006

in person: Admissions, Level 3,
Jane Foss Russell Building (enter from City Road)
The University of Sydney NSW 2006

telephone: 1800 SYD UNI (1800 793 864)
(Freecall)
email: via sydney.edu.au/ask-domestic
website: sydney.edu.au/future_students

READ THIS FIRST

- When you read 'Mathematics' this refers to the HSC course titled Mathematics, not Mathematics General 2.
- A Course prerequisite of Mathematics (Band 4) is required for courses in the areas of agriculture, commerce, engineering and advanced computing, medicine, project management, science, pharmacy and veterinary science, including combined courses. This means that you must have reached this minimum standard in your NSW HSC or equivalent before you will be offered a place in the course. If you do not have the required course prerequisite you cannot be selected for the course, even though you may have met the other admission requirements. Admission requirements 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.
- A Course prerequisite of any two units of English (not English as an Additional Language or Dialect (EALD)) (Band 5) and Band 5 in two other HSC subjects is required for some education courses.
- Most courses include Assumed knowledge. This means you are expected to have studied these subjects in your NSW HSC or equivalent and you may be disadvantaged if you have not completed them. Some courses also require the study of certain subjects (eg mathematics, chemistry or physics) during your first year at university. Bridging courses in Chemistry, Physics, Biology, Mathematics and HSC Mathematics Extension 1 are offered for students who have not met the minimum Assumed knowledge requirements.
- Where Assumed knowledge depends on first-year subjects chosen, see the relevant faculty handbook at sydney.edu.au/handbooks for the available subjects.

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

ADVANCED COMPUTING

Areas of study: Computer science, databases, information systems, mathematics, programming, systems analysis

Course prerequisites: Mathematics (Band 4)

Assumed knowledge: HSC Mathematics Extension 1

ARCHITECTURE

Architecture and Environments

Areas of study: Architectural and environmental design, architectural history and theory, architectural sciences and technologies, digital architecture and communications, property and sustainability, urban design and planning

Assumed knowledge: English (Advanced), Mathematics

Design in Architecture

Areas of study: Architectural communications, architectural design, architectural history and theory, architectural technologies, art workshops, environment and sustainability, professional practice

Assumed knowledge: English (Advanced), Mathematics

ARTS AND SOCIAL SCIENCES

Arts

Dalyell Scholars including Languages

International and Global Studies

Media and Communications

Politics and International Relations

Areas of study: Agricultural and resource economics, American studies, ancient history, anthropology, Arabic language and cultures, archaeology, art history, Asian studies, Australian literature, biblical studies and classical Hebrew, Celtic studies, Chinese studies, criminology, cultural studies, digital cultures, diversity studies, economics, economic policy, English, European studies, film studies, French and francophone studies, gender studies, Germanic studies, global studies, government and international relations, Greek (ancient), Hebrew (modern), history, Indigenous studies, Indonesian studies, international and comparative literary studies, international relations, Italian studies, Japanese studies, Jewish civilisation, thought and culture, Korean studies, Latin, linguistics, media and communications, Modern Greek studies, multilingual translation, music, philosophy, political economy, politics, Sanskrit, social policy, socio-legal studies, sociology, Spanish and Latin American studies, studies in religion, theatre and performance studies, writing studies

Assumed knowledge: Depends on first-year subjects chosen. In most cases, where a first-year subject has a level of assumed knowledge, there is an alternative subject available with no knowledge assumed

COMMERCE

Areas of study: Accounting, banking, business analytics, business information systems, business law, finance, industrial relations and human resource management, international business, management, marketing

Course prerequisites: Mathematics (Band 4)

Assumed knowledge: Depends on first-year subjects chosen

DENTISTRY

Oral Health

Areas of study: Dental hygiene, dental therapy, oral health education and promotion

Assumed knowledge: Chemistry, Biology

Science/Doctor of Dental Medicine

Areas of study: Anatomy and histology, biochemistry, bioinformatics, biology, chemistry, computer science, financial mathematics and statistics, geography, geology and geophysics, immunobiology, marine science, mathematics, medicinal chemistry, microbiology, nanoscience and technology, neuroscience, pharmacology, physics, physiology, plant science, statistics. All students undertake studies in biology *Doctor of Dental Medicine*: Clinical dentistry, life sciences, research project

Course prerequisites: Mathematics (Band 4)

Assumed knowledge: HSC Mathematics Extension 1. All students in Science must take some study in mathematics.

DESIGN COMPUTING

Areas of study: Creative computer programming, design thinking, digital design, human computer interaction, interaction design, modelling, physical computing and app design, user-centred design. Other related units and majors may be taken from fields including Arts and Social Sciences, Business, Engineering, Information Technology, Science.

Assumed knowledge: Mathematics

DIAGNOSTIC RADIOGRAPHY

Areas of study: Anatomy, biological sciences, clinical education, equipment and imaging techniques, image processing, pathology, physics, psychology, radiation biology

Recommended studies: Mathematics plus one of Biology, Chemistry or Physics

ECONOMICS

Areas of study: Econometrics, economics, financial economics. Second area of study from those offered by the Business School (see Commerce) or Arts and Social Sciences

Course prerequisites: Mathematics (Band 4)

Assumed knowledge: Other assumed knowledge depends on first-year subjects chosen

EDUCATION

Early Childhood

Areas of study: Child development and learning, education, learning studies (language, arts, mathematics, health and wellbeing science), professional studies

Assumed knowledge: Depends on first-year subjects chosen

Primary

Areas of study: Education and primary education

Course prerequisites: Any two units of English (not EALD) (Band 5), Band 5 in two other HSC subjects

Recommended studies: Mathematics

Secondary

Areas of study: Health and physical education, humanities and social sciences, mathematics, science

Course prerequisites: *For Health and Physical Education:* Any two units of English (not EALD) (Band 5), Band 5 in two other HSC subjects

For Mathematics and Science: Mathematics (Band 4)

Assumed knowledge: *For Mathematics and Science:* HSC Mathematics Extension 1

All science students must take some study in mathematics. Graduates intending to teach science at a secondary level must complete at least one year of study in chemistry or physics during their degree

ENGINEERING

Aeronautical

Biomedical

Chemical and Biomolecular

Civil

Dalzell Scholars

Electrical

Flexible first year

Mechanical

Mechatronic

Software

Space Engineering major

Course prerequisites: Mathematics (Band 4)

Assumed knowledge: HSC Mathematics Extension 1 plus Chemistry and/or Physics

EXERCISE AND SPORT SCIENCE

Exercise Physiology

Exercise and Sport Science

Areas of study: Anatomy; biochemistry; biomechanics; learning and control of human movement; nutrition; physiology/exercise physiology and the application of these fundamental sciences to sport, exercise, ageing, rehabilitation, public health and research

Assumed knowledge: Chemistry, Mathematics

LAW (COMBINED)

- Arts/Laws
- Commerce/Laws
- Economics/Laws
- Engineering Honours/Laws
- Science/Laws

Course prerequisites: *For Law combined with Commerce, Economics, Engineering Honours, or Science:* Mathematics (Band 4)

Assumed knowledge: *For Law:* None *For the other area of study:* Refer to the relevant entry

LIBERAL ARTS AND SCIENCE

Areas of study: Major from Arts and Social Sciences or from Science, a sequence of subjects in Science (if an Arts major is chosen) or in Arts (if a Science major is chosen) and a sequence in the Liberal Studies stream (analytical thinking, communication, culture, ethics, scientific enquiry, society and global citizenship, technological literacy)

For subject areas, see Arts and Social Sciences and Science.

Assumed knowledge: Depends on first-year subjects chosen

MEDICINE (DOUBLE DEGREE)

- Arts/Doctor of Medicine
- Science/Doctor of Medicine

Course prerequisites: Mathematics (Band 4)

Assumed knowledge: Refer to the relevant entry. All students in Double Degree Medicine must take some study in biology, physics and chemistry during their undergraduate degree. All students in Science/Doctor of Medicine must take some study in mathematics during their undergraduate degree.

MUSIC

Areas of study: *Streams:* Composition, music education or performance (instrumental or vocal). *Additional studies in:* contemporary music practice, creative music, digital music and media, improvised music or musicology

Course prerequisites: *For music education:* Any two units of English (not EALD) (Band 5), Band 5 in two other HSC subjects

Assumed knowledge: Music 2 *For contemporary music practice:* Music 1

Additional selection criteria: Audition and/or interview

NURSING

Areas of study: Child and adolescent health, chronic care, community healthcare, health and human biology, health policy, Indigenous health, mental health, palliative care, population health, professional practice

OCCUPATIONAL THERAPY

Areas of study: Biological sciences, occupational therapy, social sciences, theory and practice

Recommended studies: Biology

PHARMACY

Pharmacy

Pharmacy and Management

Areas of study: Biology, chemistry, medicinal chemistry, pharmaceutical sciences, pharmaceuticals, pharmacology, pharmacy and pharmacy practice

For Pharmacy and Management: Business

Course prerequisites: Mathematics (Band 4)

Assumed knowledge: Chemistry

Recommended studies: Biology or Physics

PHYSIOTHERAPY

Areas of study: Biomechanics, exercise physiology, human anatomy and physiology, measurement of human performance, motor performance and learning, neuroscience, psychology, research design and statistics

Assumed knowledge: Chemistry, Physics

Recommended studies: Mathematics

PROJECT MANAGEMENT

Areas of study: *Streams:* Built environment, civil engineering science or software. Studies include complex project co-ordination, management data, organisational behaviour, project finance, psychology, quality management, risk management, statistics

Course prerequisites: Mathematics (Band 4)

Assumed knowledge: HSC Mathematics Extension 1

PSYCHOLOGY

Areas of study: *For Arts stream:* Arts major *For Science stream:* Science major
 Course prerequisites: *For Science stream:* Mathematics (Band 4).
 All students in the Science stream must take some study in mathematics.
 Assumed knowledge: *For both streams:* Depends on first-year subjects chosen

SCIENCE

Areas of study: Anatomy and histology; animal health, disease and welfare; animal production; applied medical science; behavioural sciences; biochemistry and molecular biology; biology; cell and developmental biology; chemistry; computer science; data science; ecology and evolutionary biology; environmental science; environmental studies; financial mathematics and statistics; food science; genetics and genomics; geography; geology and geophysics; history and philosophy of science; human movement; immunology; immunology and pathology; infectious diseases; information systems; marine science; mathematics; medicinal chemistry; medical sciences; microbiology; neuroscience; nutrition science; pathology; pharmacology; physics; physiology; plant production; plant science; psychology; quantitative life sciences; software development; soil sciences and hydrology; statistics; wildlife conservation; virology

Science

Science (Advanced)

Dalyell Scholars including Mathematical Sciences

Course prerequisites: Mathematics (Band 4)
 Assumed knowledge: HSC Mathematics Extension 1. All students undertaking a science degree must take some study in mathematics. Other assumed knowledge depends on first-year subjects chosen.

Health

Areas of study: Health, a second major from those offered for Science
 Course prerequisites: Mathematics (Band 4)
 Assumed knowledge: *For Human Movement:* Chemistry, Mathematics
For other majors: Depends on first-year subjects chosen

Medical Science

Areas of study: Medical science including a major in anatomy, biochemistry, biology, cell pathology, genetics, histology, history and philosophy of science, immunology, infectious diseases, microbiology, molecular biology, pharmacology, physiology or psychology; plus a second major from those offered for Science
 Course prerequisites: Mathematics (Band 4)
 Assumed knowledge: Chemistry plus Biology or Physics

Agriculture

Areas of study: Agriculture, including a major in animal production, plant production or soil science and hydrology; plus a second major from those offered for Science
 Course prerequisites: Mathematics (Band 4)
 Assumed knowledge: Chemistry

Animal and Veterinary Bioscience

Areas of study: Animal and veterinary bioscience plus a second major from those offered for Science
 Course prerequisites: Mathematics (Band 4)
 Assumed knowledge: Chemistry
 Recommended studies: Biology

Food and Agribusiness

Areas of study: Food science and a second major from: Accounting, agricultural and resource economics, banking, business analytics, business information systems, commercial law, economic policy, economics, finance, industrial relations and human resource management, international business, management or marketing
 Course prerequisites: Mathematics (Band 4)
 Assumed knowledge: Chemistry
 Recommended studies: Biology

SOCIAL WORK

Areas of study: Indigenous studies, psychology, social policy, social work, sociology
 Assumed knowledge: Depends on first-year subjects chosen

SPEECH PATHOLOGY

Areas of study: Audiology, biomedical sciences, linguistics and language development, neurobiology, phonetics, psychology, research methods, sociology, specialist areas (aphasia, dysarthria, dyslexia, stuttering)
 Recommended studies: English (Advanced)

VETERINARY BIOLOGY/DOCTOR OF VETERINARY MEDICINE

Areas of study: Animal diseases and pathology, animal husbandry, cell biology, chemistry, clinical and professional practice, pharmacology, veterinary anatomy and physiology, veterinary conservation biology, veterinary medicine, veterinary surgery
 Course prerequisites: Mathematics (Band 4)
 Assumed knowledge: Chemistry, Physics
 Recommended studies: Biology

VISUAL ARTS

Areas of study: Visual arts specialisation
 Recommended studies: Design and Technology, Visual Arts
 Additional selection criteria: Portfolio

COMBINED AND DOUBLE DEGREES

For combined degrees, see the course prerequisites, assumed knowledge and recommended studies for both degrees.

- Advanced Computing/Commerce
- Advanced Computing/Science
- Advanced Computing/Science (Health)
- Advanced Computing/Science (Medical Science)
- Arts/Laws
- Arts/Master of Nursing
- Arts/Doctor of Medicine
- Arts/Social Work
- Commerce/Laws
- Design in Architecture (Honours)/Master of Architecture
- Economics/Laws
- Education (Secondary: Humanities and Social Sciences)/Arts
- Education (Secondary: Mathematics)/Science
- Education (Secondary: Science)/Science
- Engineering Honours/Arts
- Engineering Honours/Commerce
- Engineering Honours/Laws
- Engineering Honours/Project Management
- Engineering Honours/Science
- Engineering Honours/Science (Health)
- Engineering Honours/Science (Medical Science)
- Engineering Honours (Civil)/Design in Architecture
- Science/Laws
- Science/Doctor of Dental Medicine
- Science/Doctor of Medicine
- Science/Master of Nursing
- Science/Master of Nutrition and Dietetics
- Science (Health)/Master of Nursing
- Science (Medical Science)/Doctor of Medicine
- Veterinary Biology/Doctor of Veterinary Medicine

ADVANCED STUDIES (COMBINED)

This is not a standalone degree. It may be taken in conjunction with:

- Arts
- Commerce
- Design Computing
- Economics
- Science
- Visual Arts

Enquiries

by post: Undergraduate Admissions Office
Student Administration Unit Level 15
University of Technology Sydney
PO Box 123
Broadway NSW 2007

in person: UTS Student Centre
Level 2 (Ground)
Building 10
235 Jones Street
Ultimo NSW 2007

telephone: 1300 ASK UTS (1300 275 887)

READ THIS FIRST

- There are no course prerequisites for entry into Bachelor degree courses at UTS.
- When you read 'any two units of science' or 'at least two units of science' or 'any two science subjects', this can include Biology, Chemistry, Physics, Earth and Environmental Science, Investigating Science.

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

ADVANCED SCIENCE

Advanced Science – Advanced materials and data science

Areas of study: Computational physics, data science, energy science and technology, optics, quantum physics, research projects
Assumed knowledge: Mathematics, any two units of science, any two units of English
Recommended studies: HSC Mathematics Extension 1, Physics

Advanced Science – Environmental Biotechnology

Areas of study: Bioinformatics, bioreactors and bioprocessing, biotechnology, environmental biotechnology, medical biotechnology, research projects
Assumed knowledge: Mathematics, any two units of science, any two units of English
Recommended studies: Biology, HSC Mathematics Extension 1

Advanced Science – Infection and Immunity

Areas of study: Drug discovery, human anatomy and physiology, immunology, parasitology, pharmacology, research projects, virology
Assumed knowledge: Mathematics, any two units of science, any two units of English
Recommended studies: Biology, HSC Mathematics Extension 1

Advanced Science – Pre-medicine

Areas of study: Histology, human anatomy and physiology, human pathophysiology, immunology, pharmacology, neuroscience
Assumed knowledge: Mathematics, any two units of science, any two units of English
Recommended studies: Biology, HSC Mathematics Extension 1

ANALYTICS

Areas of study: Consumer and business analytics, data analytics, data science, financial mathematics, operations analytics, risk management
Assumed knowledge: Mathematics, any two units of English
Recommended studies: HSC Mathematics Extension 1

ARCHITECTURE

Areas of study: Architectural design, technology, theory and professional practice
Assumed knowledge: Mathematics, any two units of English
Recommended studies: Design and Technology, Visual Arts

Landscape Architecture

Areas of study: Ecology, land management, landform analysis, landscape design, professional practice, surveying, theory and history, urban environment and design
Assumed knowledge: Mathematics, any two units of English
Recommended studies: Design and Technology, Visual Arts, Geography, Earth and Environmental Science

ARTS

Communication – Creative Writing

Areas of study: Creative writing, genre, narrative and theory
Assumed knowledge: Any two units of English

Communication – Digital and Social Media

Areas of study: Digital communities and futures, social and digital media
Assumed knowledge: Any two units of English

Communication – Journalism

Areas of study: Communication and information studies, journalism
Assumed knowledge: Any two units of English

Communication – Media Arts and Production

Areas of study: Film, new media, sound, video
Assumed knowledge: Any two units of English

Communication – Public Communication

Areas of study: Advertising, communication, public relations
Assumed knowledge: Any two units of English

Communication – Social and Political Sciences

Areas of study: Social, political and historical studies
Assumed knowledge: Any two units of English

Global Studies

Areas of study: Business studies, communication, globalisation, health, legal studies, management studies
Assumed knowledge: Any two units of English

Music and Sound Design

Areas of study: Composition, cultural context of music and sound design, informative sound, interaction design, multimodal expression, sonic interfaces
Assumed knowledge: Any two units of English

BIOMEDICAL PHYSICS

Areas of study: Biomedical science with physics applications, cell biology and genetics, medical imaging, nano devices
Assumed knowledge: Mathematics, at least two units of science, any two units of English
Recommended studies: HSC Mathematics Extension 1, Physics

BIOMEDICAL SCIENCE

Areas of study: Bacteriology, biochemistry, cell biology and genetics, immunology, microbiology, molecular biology, parasitology, pathology
Assumed knowledge: Mathematics, any two units of English, at least two units of science
Recommended studies: Chemistry, HSC Mathematics Extension 1

BIOTECHNOLOGY

Areas of study: Biological sciences, microbiology, molecular biology, science and technology studies
Assumed knowledge: Mathematics, any two units of English, at least two units of science
Recommended studies: Chemistry, HSC Mathematics Extension 1

BUILDING

Construction Project Management

Areas of study: Contract administration, legal studies, material science, project management, quantity surveying, structures, surveying, sustainable development
Assumed knowledge: Mathematics, any two units of English
Recommended studies: Design and Technology, Engineering Studies, Construction (Exam), Economics, Business Studies, English (Standard), HSC Mathematics Extension 1 or HSC Mathematics Extension 2

BUSINESS

Accounting

Assumed knowledge: Mathematics, any two units of English

Business

Areas of study: Accounting, business law*, economics, finance, human resource management, information technology*, international business, management, marketing, marketing communication

* *Second major only*

Assumed knowledge: Mathematics, any two units of English

Economics

Areas of study: Business law, finance, human resource management, information technology, management, marketing, marketing communication

Assumed knowledge: Mathematics, any two units of English

Management

Areas of study: Digital creative enterprise, events, sports business, tourism,
Assumed knowledge: Any two units of English

DESIGN

Animation

Areas of study: 2D and 3D animation, animation design, character design, computer graphic imagery, drawing for animation, narrative, special effects animation, visual effects animation
Assumed knowledge: Any two units of English
Recommended studies: At least one of Design and Technology, Visual Arts, Industrial Technology, Software Design and Development, Music, Drama, Dance

Architecture

Areas of study: Architectural design, technology, theory and professional practice
Assumed knowledge: Mathematics, any two units of English
Recommended studies: Design and Technology, Visual Arts

Fashion and Textiles

Areas of study: Design thinking, fashion illustration, globalised design practice, menswear, pattern making and construction, textiles technologies, theory and research, womenswear
Assumed knowledge: Any two units of English
Recommended studies: At least one of Design and Technology, Textiles and Design, Visual Arts, Dance, Music, Drama

Integrated Product Design

Areas of study: Design communication, design technologies, globalised design practice, industrial design, product engineering, smart design, smart object design, theory and research
Assumed knowledge: Any two units of English
Recommended studies: At least one of Design and Technology, Textiles and Design, Visual Arts, Industrial Technology, Software Design and Development, Dance, Music, Drama

Interior and Spatial Design

Areas of study: Commercial, design thinking, digital technology, event design, performative space, residential, spatial design
Assumed knowledge: Any two units of English
Recommended studies: At least one of Design and Technology, Textiles and Design, Visual Arts, Industrial Technology, HSC Mathematics Extension 1, HSC Mathematics Extension 2, Dance, Music, Drama

Landscape Architecture

Areas of study: Ecology, land management, landform analysis, landscape design, professional practice, surveying, theory and history, urban environment and design
Assumed knowledge: Mathematics, any two units of English
Recommended studies: Design and Technology, Visual Arts, Geography, Earth and Environmental Science

Photography

Areas of study: Culture and context, history and theory, innovation technologies, photography, photomedia, situated and interactive media, situated media and installation
Assumed knowledge: Any two units of English
Recommended studies: At least one of Design and Technology, Visual Arts, Textiles and Design, Dance, Music, Drama

Visual Communication

Areas of study: Animation, design theory, graphic design, information design, new media, text and image, typography, video design, web design
Assumed knowledge: Any two units of English
Recommended studies: At least one of Design and Technology, Visual Arts, Software Design and Development, Textiles and Design, HSC Mathematics Extension 1, HSC Mathematics Extension 2, Dance, Music, Drama

EDUCATION

Primary, Secondary and K–12 Education

Areas of study: Educational studies, key learning areas, primary and secondary teaching methods, professional experience
Assumed knowledge: Minimum three Band 5 HSC results, including one in English

ENGINEERING

Areas of study: Biomedical, civil, civil (construction), civil (structures), civil and environmental, data, environmental*, electrical, electronic, general, mechanical, mechatronic, software
Assumed knowledge: Mathematics or Physics, plus English (Standard). Chemistry is also recommended for the Civil and Environmental major.
Recommended studies: HSC Mathematics Extension 1, English (Advanced)
Additional selection criteria: Questionnaire

* *This major is currently under review and may change or discontinue from 2017.*

ENVIRONMENTAL BIOLOGY

Areas of study: Animal behaviour and physiology, biodiversity conservation, botany, ecological studies, ecosystem protection and management, technology studies, wildlife management
Assumed knowledge: Mathematics, any two units of English, any two units of science

FORENSIC SCIENCE

Assumed knowledge: Mathematics, any two units of English, at least two units of science
Recommended studies: Chemistry, Physics, HSC Mathematics Extension 1

Forensic Science – Chemistry

Areas of study: Analytical instrumentations, chemical criminalistics, forensic imaging, forensic intelligence, forensic statistics, organic chemistry, research project

Forensic Science – Biology

Areas of study: DNA profiling, forensic imaging, forensic intelligence, forensic statistics, metabolic biochemistry, microbiology, next generation sequencing, research project

Forensic Science – Crime Scene Investigation

Areas of study: Analytical instrumentation, crime scene investigations, criminalistics, homicide investigation, investigation of human remains, major science investigation, physics, research project

Forensic Science – Digital Forensics

Areas of study: Crime scene investigation, digital and cybercrime, digital forensics, digital trace and identity, forensic intelligence, forensic statistics, network security, research project

GLOBAL STUDIES

Areas of study: Business studies, communication, globalisation, health, legal studies, management studies

Assumed knowledge: Any two units of English

HEALTH SCIENCE**Health Science**

Areas of study: Digital health and analytics, global health, pharmacology

Assumed knowledge: Any two units of English

Traditional Chinese Medicine

Areas of study: Acupuncture, anatomy and physiology, Chinese herbal medicine, Chinese massage, pharmacology

Assumed knowledge: Any two units of English, any two units of science

Recommended studies: Biology

INFORMATION TECHNOLOGY

Areas of study: Business information systems management, computer graphics and animation, computing science, data analytics, enterprise systems development, games development, internetworking and applications, network security

Assumed knowledge: Mathematics, any two units of English

Recommended studies: English (Advanced), HSC Mathematics Extension 1

LAW**LAW (COMBINED)**

The following combined Law courses are offered:

- Business/Law
- Economics/Law
- Communication (Creative Writing)/Law
- Communication (Digital and Social Media)/Law
- Communication (Journalism)/Law
- Communication (Media Arts and Production)/Law
- Communication (Public Communication)/Law
- Communication (Social and Political Sciences)/Law
- Creative Intelligence and Innovation/Law
- Engineering Science/Law
- Information Technology/Law
- International Studies/Law
- Medical Science/Law
- Science/Law
- Forensic Science/Law

Assumed knowledge: *For Law*: Any two units of English *For the other area of study*: Refer to the relevant entry

MARINE BIOLOGY

Areas of study: Coastal studies, ecology, fisheries, marine community, marine plants, tropical and temperate marine biology

Assumed knowledge: Mathematics, any two units of English, any two units of science

MEDICINAL CHEMISTRY

Areas of study: Analytical chemistry, drug synthesis and strategy, inorganic chemistry, medicinal chemistry, organic chemistry, pharmacology

Assumed knowledge: Mathematics, any two units of science, any two units of English

Recommended studies: Chemistry, HSC Mathematics Extension 1

MEDICAL SCIENCE

Areas of study: Anatomy, behavioural science, biochemistry, molecular biology, pathology, pharmacology, physiology

Assumed knowledge: Mathematics, any two units of English, any two science subjects

MIDWIFERY

Assumed knowledge: English (Standard)

Recommended studies: Any two units of science, any two units of mathematics

NURSING

Assumed knowledge: English (Standard)

Recommended studies: Any two units of science, any two units of mathematics

PROPERTY ECONOMICS

Areas of study: Property investment, property management, real estate practice, valuation and development

Assumed knowledge: Mathematics, any two units of English

Recommended studies: Business Studies, Economics, English (Standard), HSC Mathematics Extension 1 or HSC Mathematics Extension 2

SCIENCE

Assumed knowledge: *For all Science courses*: Mathematics, any two units of English, any two units of science unless otherwise specified. Refer to 'Read this first' at the beginning of the UTS entry.

Applied Chemistry

Areas of study: Analytical chemistry, inorganic chemistry, organic chemistry

Recommended studies: Chemistry, HSC Mathematics Extension 1, Physics

Applied Physics

Areas of study: Energy science and technology, nanomaterials, optics and nanophotonics, quantum physics

Recommended studies: Chemistry, HSC Mathematics Extension 1, Physics

Biomedical Science

Areas of study: Biochemistry, cellular biology, immunology, microbiology, molecular biology, pathology

Recommended studies: Chemistry, HSC Mathematics Extension 1

Biotechnology

Areas of study: Biological sciences, microbiology, molecular biology, science and technology studies

Recommended studies: Chemistry, HSC Mathematics Extension 1

Environmental Sciences

Areas of study: Animal behaviour, biodiversity, biological science, coastal studies, ecology, fisheries, marine plants

Assumed knowledge: Mathematics, any two units of English, any two units of science

Flexible

Areas of study: Analytical chemistry, applied microbiology, biology, cell and molecular biology, environmental science, freshwater ecology, health science, industrial chemistry, laboratory pathology, materials technology, nanoscience, operations research, pharmacology, physics, physiology, plant biotechnology, pollution ecology, statistics and mathematics

Assumed knowledge: Chemistry, HSC Mathematics Extension 1

Mathematics

Areas of study: Advanced calculus, operations research, stimulation modelling optimisation

Assumed knowledge: Mathematics, any two units of English

Recommended studies: HSC Mathematics Extension 1

Medical Science

Areas of study: Anatomy, behavioural science, biochemistry, pathology, pharmacology, physiology

Recommended studies: Chemistry, HSC Mathematics Extension 1

Nanotechnology

Areas of study: Nanomaterials, nanophotonics, nanotubes, optics, scanning probe and electron microscopy

Recommended studies: Chemistry, HSC Mathematics Extension 1, Physics

Statistics

Areas of study: Linear algebra, operations research, optimisation, stochastic processes

Assumed knowledge: Mathematics, any two units of English

Recommended studies: HSC Mathematics Extension 1, any two units of science

SPORT AND EXERCISE MANAGEMENT

Areas of study: Accounting, anatomy, biomechanics, exercise management, exercise physiology, law, sport management, sports marketing, sports psychology, sports science, strategic management

Assumed knowledge: Mathematics, any two units of English

SPORT AND EXERCISE SCIENCE

Areas of study: Anatomy; biomechanics; exercise physiology; exercise prescription; exercise rehabilitation; health; human movement; motor learning; personal development, health and physical education (PDHPE); sports psychology; sports science; strength and conditioning

Assumed knowledge: Mathematics, any two units of English

TECHNOLOGY AND INNOVATION

Areas of study: Collaboration and co-creation, complex problems, complexity, computational thinking, creativity

Recommended Studies: Design and Technology, any two units of English

COMBINED DEGREES

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

- Biotechnology/Business
- Business/Information Technology
- Engineering/Business
- Medical Science/Business
- Medical Science/Engineering
- Science/Business
- Science/Engineering

Combined degrees in Law are also offered – refer to main subject entry for details.

INTERNATIONAL STUDIES (COMBINED)

- Analytics
- Animation
- Biotechnology
- Business
- Communication (Creative Writing)
- Communication (Digital and Social Media)
- Communication (Journalism)
- Communication (Media Arts and Production)
- Communication (Public Communication)
- Communication (Social and Political Sciences)
- Construction Project Management
- Education
- Engineering
- Fashion and Textiles Design
- Information Technology
- Integrated Product Design
- Interior and Spatial Design
- Law
- Management
- Medical Science
- Nursing
- Photography and Situated Media
- Property Economics
- Science
- Music and Sound Design
- Sport and Exercise Management
- Sport and Exercise Science
- Traditional Chinese Medicine
- Visual Communication
- Medicinal Chemistry
- Forensic Science

CREATIVE INTELLIGENCE AND INNOVATION (COMBINED)

- Advanced Science
- Animation
- Architecture
- Biomedical physics
- Business
- Communication (Creative Writing)
- Communication (Digital and Social Media)
- Communication (Journalism)
- Communication (Media Arts and Production)
- Communication (Public Communication)
- Communication (Social and Political Sciences)
- Engineering
- Fashion and Textiles
- Information Technology
- Integrated Product Design
- Interior and Spatial Design
- Law
- Management
- Medicinal chemistry
- Midwifery
- Nursing
- Science
- Sport and Exercise Science
- Visual Communication
- Forensic Science

Areas of study: *For Creative Intelligence and Innovation*: critical and creative thinking, invention, complexity, innovation, future scenario building, entrepreneurship, collaboration and co-creation

Assumed knowledge/Recommended Studies: Refer to the core degree to be combined with Creative Intelligence and Innovation

Innovation (Dip)

A Diploma in Innovation can be combined with one of the Bachelor degree courses listed under Creative Intelligence and Innovation (Combined) as an alternative to the Bachelor of Creative Intelligence and Innovation.

University of Wollongong

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UNIVERSITY
OF WOLLONGONG
AUSTRALIA

Enquiries

by post: UOW Future Students
University of Wollongong
NSW 2522

in person: Admissions Advice
Student Central, ground floor, Building 17,
Wollongong campus
Northfields Avenue
Gwynneville NSW 2500

telephone: 1300 367 869
email: futurestudents@uow.edu.au
facebook: facebook.com/uowfuture
instagram: instagram.com/explore/tags/
ThisIsUOW
youtube: youtube.com/uownow

READ THIS FIRST

- Mathematics General 2 and Investigating Science may not adequately prepare students for further studies in the areas of mathematics and science at the University of Wollongong. However, these courses can be included in the calculation of the ATAR.
- When you read 'Mathematics' this refers to the HSC course titled Mathematics, not Mathematics General 2.
- Any two units of science includes Biology, Chemistry, Earth and Environmental Science, Geography or Physics. It does not include Investigating Science.
- Any four units of science includes two courses from Biology, Chemistry, Earth and Environmental Science, Geography or Physics. It does not include Investigating Science.

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

ARTS (HUMANITIES)

Areas of study: Chinese (Mandarin); community, culture and environment (Shoalhaven, Batemans Bay, Bega and Southern Highlands campuses only. Completion of full major subject to availability at time of enrolment); creative writing; English literatures; French; history; Indigenous studies; international relations; Italian; Japanese; legal studies*; philosophy; photography; politics; science and technology studies; sociology; Spanish; writing and English literature

* subject to final approval

Assumed knowledge: Any two units of English

Recommended studies: English (Advanced)

Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off

BIONANOTECHNOLOGY

Areas of study: Molecular biology and biophysics, nanotechnology, physical and biological chemistry

Assumed knowledge: Biology, Chemistry, Mathematics, Physics

Recommended studies: HSC Mathematics Extension 1

Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off

BUSINESS

Assumed knowledge: Any two units of English

BUSINESS INFORMATION SYSTEMS

Assumed knowledge: Any two units of English

Recommended studies: Mathematics or Mathematics General 2

Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off

COMMERCE

Areas of study: Accountancy, business law, economics, finance, financial planning, human resource management, international business, management, marketing, public relations, supply chain management

Assumed knowledge: Any two units of English

Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off

COMMERCE

– TAFE ADVANCED DIPLOMA OF EVENTS MANAGEMENT

– TAFE ADVANCED DIPLOMA OF HOSPITALITY MANAGEMENT

– TAFE ADVANCED DIPLOMA OF TOURISM AND TRAVEL MANAGEMENT

Areas of study: Human resource management, management, marketing, public relations

Assumed knowledge: Any two units of English

These degrees are not available at all campuses and must be studied in conjunction with the relevant TAFE Advanced Diploma.

COMMUNICATION AND MEDIA

Areas of study: Digital media and communication, global media and communication, journalism and professional writing, marketing communication and advertising, media production*, visual communication*

* subject to final approval

Assumed knowledge: Any two units of English

Recommended studies: English (Advanced)

Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off

COMPUTER SCIENCE

Areas of study: Big data, computer science, cyber security, digital systems security, game and mobile development, software engineering

Assumed knowledge: Mathematics, any two units of English

Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off

CONSERVATION BIOLOGY

Areas of study: Conservation biology, landscape science, plant and animal ecology

Assumed knowledge: Mathematics, any two units of science

Recommended studies: Biology, Chemistry

Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off

CREATIVE ARTS

Areas of study: Creative writing, graphic design, music, theatre, visual arts, visual arts and design

Assumed knowledge: Any two units of English

Recommended studies: English (Advanced) *For visual arts:* Design and Technology and/or Textiles and Design and/or Visual Arts *For graphic design:* Design and Technology and/or Textiles and Design and/or Visual Arts *For music:* Music 2 or HSC Music Extension *For theatre:* Drama

Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off

ECONOMICS AND FINANCE

Areas of study: Economics, finance

Assumed knowledge: Mathematics, any two units of English

ENGINEERING

Areas of study: Biomedical, civil, computer, electrical, environmental, materials, mechanical, mechatronic, mining and telecommunications engineering

Assumed knowledge: Mathematics, any two units of English

Recommended studies: Engineering Studies, HSC Mathematics Extension 1, Physics, Chemistry (not required for computer, electrical, mechatronic or telecommunication engineering)

ENGINEERING – SCHOLAR

Areas of study: Biomedical, civil, computer, electrical, environmental, materials, mechanical, mechatronics, mining and telecommunications engineering

Assumed knowledge: HSC Mathematics Extension 1, any two units of English

Recommended studies: Engineering Studies, Physics, Chemistry (not required for computer, electrical, mechatronics or telecommunications engineering)

ENVIRONMENTAL SCIENCE

Areas of study: Earth sciences, environmental chemistry, land resources, life sciences

Assumed knowledge: Mathematics plus one of Biology, Chemistry, Earth and Environmental Science or Geography

Recommended studies: Four units of science (including Biology or Chemistry)

Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off

EXERCISE SCIENCE

Areas of study: Anatomy, biomechanics, exercise physiology, exercise prescription

Assumed knowledge: Mathematics, any two units of science

Recommended studies: Chemistry

EXERCISE SCIENCE AND REHABILITATION

Areas of study: Anatomy, biomechanics, exercise physiology, exercise prescription, exercise rehabilitation

Assumed knowledge: Mathematics, any two units of science

Recommended studies: Chemistry

GEOGRAPHY

Areas of study: Human and physical geography

Assumed knowledge: Mathematics, any two units of science

Recommended studies: Earth and Environmental Science, Geography

INDIGENOUS HEALTH

Areas of study: Indigenous health issues; Indigenous history, society and culture; population health

Recommended studies: Aboriginal Studies

INFORMATION TECHNOLOGY

Areas of study: eBusiness, network design and management, social and digital innovation, web design and development

Assumed knowledge: Any two units of English

Recommended studies: Mathematics

Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off

INFORMATION TECHNOLOGY INTERNATIONAL

Areas of study: eBusiness, network design and management, social and digital innovation, web design and development

Assumed knowledge: Any two units of English

Recommended studies: Mathematics

INTERNATIONAL SCIENCE

Areas of study: Biological sciences, chemistry, geology, human geography, medicinal chemistry, nutrition, physical geography and environmental geosciences, sport and movement science

Assumed knowledge: Mathematics, any two units of science

Recommended studies: Four units of science

International Science – Honours

Additional selection criteria: Combination of ATAR, faculty application and interview

INTERNATIONAL STUDIES

Areas of study: Global media and communication, global sustainable development, international relations, languages

Assumed knowledge: Any two units of English

Recommended studies: English (Advanced)

Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off

JOURNALISM

Assumed knowledge: Any two units of English

Recommended studies: English (Advanced)

LANGUAGE STUDIES

Areas of study: Chinese (Mandarin), French, Italian, Japanese, Spanish

Assumed knowledge: Any two units of English

Recommended studies: English (Advanced), any two units of a language

LAW (SINGLE DEGREE)

Assumed knowledge: Any two units of English

Recommended studies: English (Advanced)

LAW (DOUBLE DEGREES)

The following double degree courses are offered:

- Arts/Law
- Arts (Psychology)/Law
- Business/Law
- Commerce/Law
- Communication and Media/Law
- Computer Science/Law
- Creative Arts/Law
- Economics and Finance/Law
- Engineering (Honours)/Law
- Information Technology/Law
- International Studies/Law
- Journalism/Law
- Mathematics/Law
- Politics, Philosophy and Economics/Law
- Psychological Science/Law
- Science/Law

Assumed knowledge: *For Law:* Any two units of English

Recommended studies: *For Law:* English (Advanced) *For the other area of study:* Refer to the relevant entry

MARINE SCIENCE

Areas of study: Biodiversity of marine and freshwater organisms, coastal environments, conservation biology, ecology, fisheries and aquaculture, marine and terrestrial ecology, oceanography
 Assumed knowledge: Mathematics, any two units of science
 Recommended studies: Four units of science (including Biology and Chemistry)
 Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off

MATHEMATICS**Mathematics**

Areas of study: Industrial and applied mathematics, mathematical analysis, pure mathematics, statistics
 Assumed knowledge: Mathematics, any two units of English
 Recommended studies: HSC Mathematics Extension 1

Mathematics and Finance

Areas of study: Financial planning, mathematical economics, quantitative and computational trading, quantitative corporate finance and investment, risk management and insurance
 Assumed knowledge: Mathematics, any two units of English
 Recommended studies: HSC Mathematics Extension 1

Medical Mathematics

Areas of study: Applied statistics, biology, mathematics
 Assumed knowledge: Mathematics, any two units of English, any two units of science
 Recommended studies: Chemistry, HSC Mathematics Extension 1

Mathematics Education – see Teaching

MATHEMATICS – ADVANCED AND DEAN'S SCHOLAR**Mathematics Advanced**

Areas of study: Industrial and applied mathematics, mathematical analysis, pure mathematics, statistics
 Assumed knowledge: HSC Mathematics Extension 2

Mathematics and Finance – Dean's Scholar

Areas of study: Financial planning, mathematical economics, quantitative and computational trading, quantitative corporate finance and investment, risk management and insurance
 Assumed knowledge: Mathematics, any two units of English
 Recommended studies: HSC Mathematics Extension 1

Medical Mathematics – Dean's Scholar

Areas of study: Applied statistics, biology, mathematics
 Assumed knowledge: Mathematics
 Recommended studies: Chemistry, HSC Mathematics Extension 1

MEDICAL AND HEALTH SCIENCE

Areas of study: Anatomy, chemistry, neuroscience, physiology
 Assumed knowledge: Mathematics, any two units of science
 Recommended studies: Chemistry
 Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off

MEDICAL AND RADIATION PHYSICS

Areas of study: Medical imaging, nuclear medicine, radiation protection, radiobiology
 Assumed knowledge: Mathematics, Physics, any two units of English
 Recommended studies: Chemistry, English (Advanced), HSC Mathematics Extension 1

MEDICAL BIOTECHNOLOGY

Areas of study: Biochemistry, biotechnology, cellular and molecular biology, genetics, immunology
 Assumed knowledge: Mathematics, two units of science
 Recommended studies: Biology, Chemistry
 Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off

MEDICINAL CHEMISTRY

Areas of study: Biochemistry, pharmacology, physiology
 Assumed knowledge: Chemistry, Mathematics
 Recommended studies: Four units of science
 Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off

NURSING

Assumed knowledge: Any two units of English

Advanced

Areas of study: Health leadership and management, international studies, mental health
 Assumed knowledge: Any two units of English

NUTRITION AND DIETETICS

Areas of study: Biochemistry, clinical dietetics, community and public health nutrition, food service management, nutrition research, physiology
 Assumed knowledge: Mathematics, any two units of science
 Recommended studies: Biology, Chemistry

NUTRITION SCIENCE

Areas of study: Biochemistry, community and public health nutrition, food composition, physiology
 Assumed knowledge: Mathematics, any two units of science
 Recommended studies: Biology, Chemistry

PERFORMANCE

Assumed knowledge: Any two units of English
 Recommended studies: English (Advanced), Drama
 Additional selection criteria: Audition and/or interview in combination with ATAR

POLITICS, PHILOSOPHY, ECONOMICS

Assumed knowledge: Any two units of English
 Recommended studies: English (Advanced)
 Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off

PRE-MEDICINE, SCIENCE AND HEALTH

Areas of study: Anatomy, chemistry, human anatomy, human physiology
 Assumed knowledge: Mathematics, any two units of science
 Recommended studies: Biology, Chemistry

PSYCHOLOGY

Assumed knowledge: Any two units of English
 Recommended studies: Mathematics

PUBLIC HEALTH

Areas of study: Public health
 Assumed knowledge: Any two units of English
 Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off

SCIENCE

Areas of study: Biological sciences, bionanotechnology, chemistry, conservation biology, environment, geology, human geography, land and heritage management, materials, medical biotechnology, medicinal chemistry, nuclear science technology, physical geography and environmental geosciences, physics
 Assumed knowledge: Mathematics, any two units of science
For materials, nuclear science technology, physics: Mathematics, any two units of English
 Recommended studies: Four units of science *For materials, nuclear science technology, physics:* Chemistry, HSC Mathematics Extension 1, Physics

Advanced

Areas of study: Atmospheric science, biomolecular physics, human geography, land and heritage management, physics

Assumed knowledge: Mathematics, any two units of science

For *atmospheric science, biomolecular physics and physics*: Mathematics, any two units of English

Recommended studies: Four units of science For *atmospheric science, biomolecular physics and physics*: Chemistry, HSC Mathematics Extension 1, Physics

Dean's Scholar

Areas of study: Biological sciences, chemistry, geology, physical geography and environmental geosciences

Assumed knowledge: Mathematics, any two units of science

Recommended studies: Four units of science

Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off

Science Education – see Teaching

SOCIAL SCIENCE

Areas of study: Community culture and environment (Shoalhaven campus only), criminology, health promotion, human geography, indigenous studies, public health, social marketing, social policy, sociology

Assumed knowledge: Any two units of English

Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off

SOCIAL WORK

Areas of study: Social work

Assumed knowledge: Any two units of English

SUSTAINABLE COMMUNITIES

Areas of study: Human geography, social and environmental sustainability, social policy

Assumed knowledge: Any two units of English

Recommended studies: Geography

TEACHING**Early Years (including Dean's Scholar)**

Assumed knowledge: Any two units of English

Recommended studies: Any two units of mathematics

Health and Physical Education (including Dean's Scholar)

Assumed knowledge: Any two units of English

Recommended studies: Any two units of science or Personal Development, Health and Physical Education (PDHPE)

Mathematics Education (including Dean's Scholar)

Course prerequisite: Mathematics

Assumed knowledge: Mathematics (Band 4), any two units of English

Recommended studies: HSC Mathematics Extension 1

Primary Education (including Dean's Scholar)

Assumed knowledge: Any two units of English

Recommended studies: Any two units of mathematics

Science Education (including Dean's Scholar)

Assumed knowledge: Mathematics, any two units of English

Recommended studies: Any two units of mathematics, any four units of science

DOUBLE DEGREES

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

- Arts/Commerce
- Arts/Economics and Finance
- Arts/International Studies
- Arts/International Studies (Dean's Scholar)
- Business/Information Technology
- Communication and Media/Arts
- Communication and Media/Arts (Dean's Scholar)
- Communication and Media/Commerce
- Communication and Media/Economics and Finance
- Communication and Media/International Studies
- Communication and Media/International Studies (Dean's Scholar)
- Communication and Media/Science
- Computer Science/Science
- Creative Arts/Arts
- Creative Arts/Commerce
- Creative Arts/Communication and Media
- Creative Arts/Computer Science
- Creative Arts/International Studies
- Creative Arts/Journalism
- Creative Arts/Science
- Engineering/Arts
- Engineering/Commerce
- Engineering/Computer Science
- Engineering/Mathematics
- Engineering/Science
- International Studies/Commerce
- International Studies/Economics and Finance
- Journalism/Arts
- Journalism/Commerce
- Journalism/Communication and Media
- Journalism/Engineering (Honours)
- Journalism/International Studies
- Journalism/Science
- Mathematics/Computer Science
- Psychology/Commerce
- Science/Arts
- Science/Commerce
- Science/Mathematics

Double degrees in Law are also offered. Refer to main entry for details.

Enquiries

Kensington and Paddington campuses

by post: Future Students Office
UNSW Sydney NSW 2052

in person: Future Students Office
John Goodsell Building (F20)
UNSW Sydney
Kensington NSW 2033

telephone: (02) 9385 1844
website: unsw.edu.au/futurestudents
email: futurestudents@unsw.edu.au

UNSW Canberra at ADFA

by post: Student Administrative Services
UNSW Canberra
Australian Defence Force Academy
PO Box 7916
Canberra BC ACT 2610

in person: Student Administrative Services
UNSW Canberra
Australian Defence Force Academy
Ground Level, Building 111
Northcott Drive
Campbell ACT 2600

telephone: (02) 6268 6000
website: unsw.adfa.edu.au
email: sas@adfa.edu.au

READ THIS FIRST

- UNSW's HSC Plus recognises performance in relevant HSC subjects. For further information, visit unsw.edu.au/hscplus.
- For HSC courses listed as assumed knowledge, students are expected to have a level of performance at Band 4 or higher.
- Mathematics General 2 and Investigating Science are not regarded as adequate preparation for university studies in business, engineering and science. However, these courses can be included in the calculation of the ATAR.
- Students who do not have the level of assumed knowledge specified may find themselves ill-prepared for first-year subjects and therefore be placed at a considerable disadvantage. Chemistry and Physics bridging courses are offered at the Kensington campus before the start of semester 1 each year for students who have not included one or both in their HSC program. A mathematics bridging course is also offered for those students wishing to upgrade their HSC mathematics knowledge to the level of HSC Mathematics Extension 1.

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

ACTUARIAL STUDIES

Areas of study: Accounting, actuarial risk management and analytics, actuarial studies, business economics, business law, business strategy and economic management, finance, financial economics, human resource management, information systems, international business, management, marketing, mathematics, quantitative data science, real estate studies, statistics, taxation

Assumed knowledge: HSC Mathematics Extension 1

Recommended studies: English (Advanced), HSC Mathematics Extension 2

ARCHITECTURAL STUDIES

Recommended studies: Ancient History, Design and Technology, English (Advanced), Modern History, Visual Arts

ART THEORY

Recommended studies: One or more of English (Advanced), Modern History, Visual Arts

Additional selection criteria: Portfolio

ARTS

Areas of study: Asian studies; Australian studies; Chinese studies; creative writing; criminology; development studies; English; environmental humanities; European studies; film studies; French studies; German studies; history; Indigenous studies; international relations; Japanese studies; Korean studies; linguistics; media, culture and technology; music studies; philosophy; politics; sociology and anthropology; Spanish and Latin American studies; theatre and performance studies; women's and gender studies

Recommended studies: English (Advanced)

ARTS AND BUSINESS

Areas of study: Asian studies; Australian studies; Chinese studies; creative writing; criminology; development studies; English; environmental humanities; European studies; film studies; French studies; German studies; history; Indigenous studies; international relations; Japanese studies; Korean studies; linguistics; media, culture and technology; music studies; philosophy; politics; sociology and anthropology; Spanish and Latin American studies; theatre and performance studies; women's and gender studies

Assumed knowledge: Mathematics

Recommended studies: English (Advanced)

AVIATION

Flying

Assumed knowledge: Mathematics

Recommended studies: Physics

Additional selection criteria: Medical examination, internal application, interview

Management

Assumed knowledge: Mathematics General 2

Recommended studies: Mathematics, Physics

CITY PLANNING

Recommended studies: Design and Technology, Economics, English (Advanced), Geography, Legal Studies, Society and Culture

COMMERCE

Areas of study: Accounting, business economics, business law, business strategy and economic management, finance, financial economics, human resource management, information systems, international business, management, marketing, real estate studies, taxation

Assumed knowledge: Mathematics

Recommended studies: English (Advanced), HSC Mathematics Extension 1

COMMERCE (INTERNATIONAL)

Areas of study: Accounting, Asian studies, business economics, business law, business strategy and economic management, Chinese studies, development studies, European studies, finance, financial economics, French studies, German studies, history, human resource management, information systems, international business, international relations, Japanese studies, Korean studies, management, marketing, politics, real estate studies, Spanish and Latin American studies, taxation

Assumed knowledge: Mathematics

Recommended studies: English (Advanced), HSC Mathematics Extension 1

COMPUTATIONAL DESIGN

Recommended studies: Design and Technology, Information Processes and Technology, Mathematics, Software Design and Development, Visual Arts

COMPUTER SCIENCE

Assumed knowledge: HSC Mathematics Extension 1

Recommended studies: Engineering Studies, HSC Mathematics Extension 2, Information Processes and Technology, Physics, Software Design and Development

CONSTRUCTION MANAGEMENT AND PROPERTY

Recommended studies: English (Advanced), Mathematics

CRIMINOLOGY AND CRIMINAL JUSTICE

Recommended studies: English (Advanced)

DATA SCIENCE AND DECISIONS

Areas of study: Business data science, computational data science, quantitative data science

Assumed knowledge: HSC Mathematics Extension 1

DESIGN

Areas of study: Animation and visual effects, ceramics, digital media, graphics media, interactive media, jewellery, object design, spatial design, textiles

Assumed knowledge: Visual Arts

Recommended studies: Design and Technology, Industrial Technology, Textiles and Design

Additional selection criteria: Portfolio

ECONOMICS

Areas of study: accounting, business law, econometrics, economics, finance, financial economics, human resource management, information systems, international business, management, marketing, real estate studies, taxation

Assumed knowledge: Mathematics

Recommended studies: English (Advanced), HSC Mathematics Extension 1

EDUCATION

Arts/Education (Secondary)

Assumed knowledge: Any two units of English (Band 5)

Recommended studies: English (Advanced)

Commerce/Education (Secondary)

Assumed knowledge: Mathematics, any two units of English (Band 5)

Recommended studies: English (Advanced)

Design/Education (Secondary)

Assumed knowledge: Visual Arts, any two units of English (Band 5)

Recommended studies: English (Advanced)

Economics/Education (Secondary)

Assumed knowledge: Mathematics, any two units of English (Band 5)

Recommended studies: English (Advanced)

Fine Arts/Education (Secondary)

Assumed knowledge: Visual Arts, any two units of English (Band 5)

Recommended studies: English (Advanced)

Media Arts/Education (Secondary)

Assumed knowledge: Any two units of English (Band 5)

Recommended studies: Visual Arts, English (Advanced)

Music/Education (Secondary)

Assumed knowledge: Any two units of English (Band 5) plus either (Grade 7 AMEB Performance (or equivalent) and Music 2) or (Grade 6 AMEB Musicianship (or equivalent)) or HSC Music Extension

Recommended studies: English (Advanced)

Additional selection criteria: Audition

Science/Education (Secondary)

Assumed knowledge: Mathematics (prospective science teachers must also have Chemistry or Physics) plus any two units of English (Band 5)

Recommended studies: English (Advanced)

ENGINEERING

Aerospace Engineering

Chemical Engineering

Civil Engineering

Civil Engineering with Architecture

Computer Engineering

Electrical Engineering

Environmental Engineering

Geospatial Engineering

Materials Science and Engineering

Mechanical Engineering

Mechanical and Manufacturing Engineering

Mechatronic Engineering

Mining Engineering

Petroleum Engineering

Photovoltaics and Solar Energy Engineering

Renewable Energy Engineering

Surveying

Telecommunications

Assumed knowledge: HSC Mathematics Extension 1, Physics

Recommended studies: Biology, Chemistry, Engineering Studies, HSC Mathematics Extension 2, Information Processes and Technology, Software Design and Development

Bioinformatics Engineering

Assumed knowledge: Chemistry, HSC Mathematics Extension 1

Recommended studies: Biology, Engineering Studies, HSC Mathematics Extension 2, Information Processes and Technology, Software Design and Development

Industrial Chemistry

Assumed knowledge: Chemistry, HSC Mathematics Extension 1, Physics

Recommended studies: Biology, Engineering Studies, HSC Mathematics Extension 2, Information Processes and Technology, Software Design and Development

Software Engineering

Assumed knowledge: HSC Mathematics Extension 1

Recommended studies: Biology, Chemistry, Engineering Studies, HSC Mathematics Extension 2, Information Processes and Technology, Software Design and Development

EXERCISE PHYSIOLOGY

Assumed knowledge: Chemistry, Mathematics

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

FINE ARTS

Areas of study: Drawing, interactive media, painting, performance installation, photography, printmaking, sculpture, textiles

Assumed knowledge: Visual Arts

Additional selection criteria: Portfolio

FOOD SCIENCE

Assumed knowledge: Chemistry, HSC Mathematics Extension 1

Recommended studies: Biology, Physics

INDUSTRIAL DESIGN

Recommended studies: Design and Technology, Visual Arts

INFORMATION SYSTEMS

Assumed knowledge: Mathematics

Recommended studies: English (Advanced), HSC Mathematics Extension 1

INTERIOR ARCHITECTURE

Recommended studies: Design and Technology, English (Advanced), Textiles and Design, Visual Arts

INTERNATIONAL STUDIES

Areas of study: Asian studies, Chinese studies, development studies, environmental humanities, European studies, French studies, German studies, international business, international relations, Japanese studies, Korean studies, politics, sociology and anthropology, Spanish and Latin American studies

Recommended studies: English (Advanced)

LANDSCAPE ARCHITECTURE

Recommended studies: Geography, Visual Arts, English (Advanced), Design and Technology

LAW (DUAL)

The following dual Law courses are offered:

- Actuarial Studies/Law
- Advanced Mathematics (Hons)/Law
- Advanced Science (Hons)/Law
- Arts and Business/Law
- Art Theory/Law
- Arts/Law
- City Planning (Hons)/Law
- Commerce/Law
- Criminology and Criminal Justice/Law
- Economics/Law
- Engineering (Hons)/Law
- Fine Arts/Law
- International Studies/Law
- Media (Communication and Journalism)/Law
- Media (PR and Advertising)/Law
- Media (Screen and Sound Production)/Law
- Medicinal Chemistry (Hons)/Law
- Music/Law
- Psychological Science/Law
- Psychology (Hons)/Law
- Science/Law
- Science (Computer Science)/Law
- Science and Business/Law
- Social Research and Policy/Law
- Social Work (Hons)/Law

Assumed knowledge: *For Law:* None *For the other area of study:*

Refer to the relevant entry

Recommended studies: *For Law:* None *For the other area of study:*

Refer to the relevant entry

Additional selection criteria: Law Admission Test (LAT)

MEDIA

**Communication and Journalism
Public Relations and Advertising
Screen and Sound Production**

Recommended studies: English (Advanced)

MEDIA ARTS

Areas of study: Animation and visual effects, digital media, interactive media
Recommended studies: Design and Technology, Industrial Technology (Multimedia Technologies), Visual Arts

Additional selection criteria: Portfolio

MEDICAL SCIENCE

Assumed knowledge: Mathematics, Chemistry

Recommended studies: Biology, Earth and Environmental Science, HSC Mathematics Extension 1, Physics

MEDICINE

Assumed knowledge: English (Standard)

Recommended studies: Chemistry

Additional selection criteria: Undergraduate Medicine and Health Sciences Admission Test (UMAT), interview

MUSIC

Areas of study: Music creative practice, music pedagogy, music studies, sonic arts

Assumed knowledge: Either (Grade 7 AMEB Performance (or equivalent) and Music 2) or Grade 6 AMEB Musicianship (or equivalent) or HSC Music Extension

Recommended studies: English (Advanced)

Additional selection criteria: Audition

OPTOMETRY

Areas of study: Optometry, vision science

Assumed knowledge: Chemistry, English (Advanced), Mathematics, Physics

PSYCHOLOGICAL SCIENCE

Areas of study: Criminology, human resource management, linguistics, management, marketing, neuroscience, philosophy, psychology, vision science

Assumed knowledge: Mathematics

Recommended studies: Biology, Chemistry, Earth and Environmental Science, English (Advanced), Physics

PSYCHOLOGY

Assumed knowledge: Mathematics

Recommended studies: Biology, Chemistry, Earth and Environmental Science, English (Advanced), Physics

SCIENCE**Advanced Mathematics**

Areas of study: Advanced statistics, applied mathematics, pure mathematics, quantitative risk

Assumed knowledge: HSC Mathematics Extension 1

Recommended studies: HSC Mathematics Extension 2

Advanced Science

Areas of study: Advanced physical oceanography, anatomy, archaeology and palaeoenvironments, bioinformatics, biological science, biotechnology, chemistry, climate dynamics, climate systems science, earth science, ecology, genetics, geochemistry, human geography, marine and coastal science, materials science, mathematics, microbiology, molecular and cell biology, neuroscience, pathology, pharmacology, physical geography, physics, physiology, psychology, statistics, vision science

Assumed knowledge: Chemistry, Mathematics and one or more of Biology, Earth and Environmental Science, Physics, HSC Mathematics Extension 1 (depending on chosen area of study)

Biotechnology

Assumed knowledge: Chemistry, Mathematics

Recommended studies: Biology

Environmental Management

Areas of study: Biology, earth science, ecology, environmental chemistry, environmental management, geography, marine science

Assumed knowledge: Chemistry, Mathematics

Recommended studies: Biology, Earth and Environmental Science, Physics

Life Sciences

Areas of study: Anatomy, biological chemistry, biology, biotechnology, ecology, genetics, marine science, microbiology, molecular and cell biology, pathology, pharmacology, physiology, psychology

Assumed knowledge: Mathematics plus Biology or Chemistry

Medicinal Chemistry

Assumed knowledge: Mathematics, Chemistry

Recommended studies: Biology, Physics

Nanoscience

Areas of study: Nanodevices, nanomaterials

Assumed knowledge: Chemistry, HSC Mathematics Extension 1, Physics

Recommended studies: Biology, Earth and Environmental Science

Science

Areas of study: Anatomy, bioinformatics, biology, biotechnology, chemistry, earth science, ecology, food science, genetics, geography, marine science, materials science, mathematics, microbiology, molecular and cell biology, neuroscience, pathology, pharmacology, physical oceanography, physical science, physiology, psychology, statistics, vision science

Assumed knowledge: Chemistry, Mathematics plus one or more of Biology, Earth and Environmental Science, Physics, HSC Mathematics Extension 1 (depending on chosen area of study)

SOCIAL RESEARCH AND POLICY

Areas of study: Development studies; economics; environmental humanities; human resource management; Indigenous studies; international business; international relations; marketing; media, culture and technology; politics; sociology and anthropology

Recommended studies: English (Advanced)

SOCIAL WORK

Recommended studies: English (Advanced)

VISION SCIENCE

Areas of study: Optometry, vision science

Assumed knowledge: Chemistry, English (Advanced), Mathematics, Physics

DUAL DEGREES

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

- Actuarial Studies/Advanced Mathematics (Hons)
- Actuarial Studies/Commerce
- Actuarial Studies/Economics
- Actuarial Studies/Science
- Advanced Mathematics (Hons)/Arts
- Advanced Mathematics (Hons)/Computer Science
- Advanced Mathematics (Hons)/Engineering (Hons)
- Advanced Science (Hons)/Arts
- Advanced Science (Hons)/Computer Science
- Advanced Science (Hons)/Engineering (Hons)
- Advanced Science (Hons)/Fine Arts
- Advanced Science (Hons)/Social Research and Policy
- Art Theory/Arts
- Art Theory/Social Research and Policy
- Commerce/Advanced Mathematics (Hons)
- Commerce/Advanced Science (Hons)
- Commerce/Arts
- Commerce/Aviation (Management)
- Commerce/Computer Science
- Commerce/Design (Hons)
- Commerce/Economics
- Commerce/Fine Arts
- Commerce/Information Systems
- Commerce/Media (PR and Advertising)
- Commerce/Science
- Computer Science/Arts
- Computer Science/Media Arts
- Design (Hons)/Media (PR and Advertising)
- Economics/Advanced Mathematics (Hons)
- Economics/Advanced Science (Hons)
- Economics/Arts
- Economics/Science
- Engineering (Hons)/Arts
- Engineering (Hons)/Biomedical Engineering
- Engineering (Hons)/Commerce
- Engineering (Hons)/Computer Science

- Engineering (Hons)/Engineering
- Engineering (Hons)/Science
- Environmental Management/Arts
- Fine Arts/Arts
- Materials Science and Engineering (Hons)/Biomedical Engineering
- Materials Science and Engineering (Hons)/Commerce
- Materials Science and Engineering (Hons)/Engineering Science (Chemical Engineering)
- Media/International Studies
- Medicine/Arts
- Music/Advanced Science (Hons)
- Music/Arts
- Music/Commerce
- Music/Engineering (Hons)
- Music/Media
- Music/Science
- Science/Arts
- Science/Computer Science
- Science/Fine Arts
- Science/Social Research and Policy
- Social Work (Hons)/Arts
- Social Work (Hons)/Criminology and Criminal Justice
- Social Work (Hons)/Social Research and Policy

Dual degrees in Law and Education are also offered. Refer to the main subject area for details.

UNSW Canberra at the Australian Defence Force Academy (ADFA)

ARTS

Areas of study: Business, English studies, geography, history, Indonesian studies, International and political studies

Assumed knowledge: English (Advanced)

Additional selection criteria: Interview by Defence Force Recruitment and selection for entry to the Australian Defence Force

AVIATION TECHNOLOGY

Areas of study: Aeronautical engineering, aviation

Assumed knowledge: Mathematics, Physics

Additional selection criteria: Interview by Defence Force Recruitment and selection for entry to the Australian Defence Force

BUSINESS

Assumed knowledge: English (Advanced)

Additional selection criteria: Interview by Defence Force Recruitment and selection for entry to the Australian Defence Force

COMPUTING AND CYBER SECURITY

Areas of study: Computer science, mathematics

Assumed knowledge: HSC Mathematics Extension 1

Additional selection criteria: Interview by Defence Force Recruitment and selection for entry to the Australian Defence Force

ENGINEERING

Areas of study: Aeronautical engineering, civil engineering, electrical engineering, mechanical engineering

Assumed knowledge: HSC Mathematics Extension 1, Physics

Additional selection criteria: *For applicants applying as a Trainee Officer:* Interview by Defence Force Recruitment and selection for entry to the Australian Defence Force

SCIENCE

Areas of study: Aviation, chemistry, computer science, geography, mathematics, oceanography, physics

Recommended studies: English (Advanced), Mathematics

Additional selection criteria: Interview by Defence Force Recruitment and selection for entry to the Australian Defence Force



Enquiries

by post: Course Information Centre
Western Sydney University
Locked Bag 1797
Penrith NSW 2751

in person: Campus locations are: Bankstown,
Campbelltown, Hawkesbury, Lithgow, Liverpool,
Nirimba (Blacktown), Parramatta, Parramatta
City, Penrith, Sydney City, Sydney Olympic Park

telephone: 1300 897 669
email: study@westernsydney.edu.au

READ THIS FIRST

- When you read 'any two units of science' this can include Biology, Chemistry, Physics, Earth and Environmental Science or Investigating Science.
- **Mathematics requirements for science courses:** Students who (a) have not undertaken HSC-level mathematics or (b) have attempted Mathematics General 2 or Mathematics but achieved no higher than Band 2 or 3 (or equivalent) will be required to take a study pattern that includes preparatory studies in mathematics in readiness for the higher level mathematics studied in this program.

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

ACCOUNTING

Areas of study: Accounting, taxation and financial planning
Assumed knowledge: Mathematics, any two units of English.
Students unable to demonstrate sufficient levels of achievement in mathematics will be required to use one of the elective units to increase their mathematical aptitude. This will not lengthen the period of study.

ANTHROPOLOGY

Assumed knowledge: Any two units of English

ARCHITECTURE

Assumed knowledge: Mathematics, any two units of English

ARTS

Areas of study: Anthropology, Arabic, Chinese, creative writing, criminology, cultural and social analysis, 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, interpreting and translation, Islamic studies, Japanese, linguistics, musicology, music performance, organisations and work, peace and development studies, philosophy, psychological studies, sociology
Assumed knowledge: Any two units of English (Band 4)
Recommended studies: English (Standard)
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

Interpreting and Translation

Assumed knowledge: Any two units of English. Applicants should be a native or near native speaker of Arabic, Chinese, Japanese or Spanish.
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

Languages and Linguistics

Assumed knowledge: Any two units of English

Pathway to Teaching (Birth–5/Birth–12)

Assumed knowledge: Any two units of English (Band 5), any two units of mathematics (Band 4)
Recommended studies: English (Standard)

Pathway to Teaching (Primary) – Arts

Assumed knowledge: Any two units of English (Band 5), any two units of mathematics (Band 4)
Recommended studies: English (Standard)
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

Pathway to Teaching (Secondary) – Arts

Assumed knowledge: Any two units of English (Band 5), any two units of mathematics (Band 4)
Recommended studies: English (Standard)
Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

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

ARTS (DIP)

Assumed knowledge: Any two units of English

BUILDING DESIGN MANAGEMENT

BUILDING DESIGN MANAGEMENT (DIP)

Recommended studies: Mathematics, any two units of English

BUSINESS

BUSINESS (ADVANCED BUSINESS LEADERSHIP)

Accounting
Applied Finance
Economics
Hospitality Management
Human Resource Management
International Business
Management
Marketing
Property
Sport Management

Assumed knowledge: Mathematics, any two units of English.
Students unable to demonstrate sufficient levels of achievement in mathematics will be required to use one of the elective units to increase their mathematical aptitude. This will not lengthen the period of study.
Additional selection criteria: Advanced Business Leadership entry requires a higher minimum cut-off.

BUSINESS (DIP)

Assumed knowledge: Any two units of English, any two units of mathematics
Recommended studies: Legal Studies, Business Studies, Economics

BUSINESS (PATHWAY TO TEACHING SECONDARY)

Assumed knowledge: Mathematics, any two units of English
Students unable to demonstrate sufficient levels of achievement in mathematics will be required to use one of the elective units to increase their mathematical aptitude. This will not lengthen the period of study.

COMMUNICATION**COMMUNICATION (DIP)**

Areas of study: Advertising, journalism, media arts production, public relations

Assumed knowledge: Any two units of English

Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

Screen media (Arts and Production)

Assumed knowledge: Any two units of English

COMMUNITY AND SOCIAL DEVELOPMENT**COMMUNITY AND SOCIAL DEVELOPMENT (DIP)**

Available only to Aboriginal and Torres Strait Islander students.

Additional selection criteria: Entry is via the Aboriginal and Torres Strait Islander Alternative Entry Program. Check with the University for more details.

COMMUNITY WELFARE

Recommended studies: Any two units of English

COMPUTER SCIENCE

Areas of study: Cyber security, networked systems, systems programming

Assumed knowledge: Mathematics, any two units of English

Recommended studies: HSC Mathematics Extension 1

COMPUTER SCIENCE (ADVANCED)

Areas of study: Networked systems, systems programming, systems security

Assumed knowledge: Mathematics, any two units of English

Recommended studies: HSC Mathematics Extension 1

Additional selection criteria: Computer Science (Advanced) entry requires a higher minimum cut-off.

CONSTRUCTION MANAGEMENT

Recommended studies: Mathematics, Physics, any two units of English

CONSTRUCTION MANAGEMENT (DIP)

Assumed knowledge: Any two units of mathematics

Recommended studies: Physics

CONSTRUCTION TECHNOLOGY

Recommended studies: Mathematics, Physics, any two units of English

CREATIVE INDUSTRIES

Areas of study: Advertising, creative writing, cultural and social analysis, digital cultures, English, enterprise innovation, graphic design, journalism, media arts production, music

Assumed knowledge: Any two units of English

Recommended studies: Design and Technology, Visual Arts

CRIMINAL AND COMMUNITY JUSTICE**CRIMINAL AND COMMUNITY JUSTICE (DIP)**

Assumed knowledge: English (Standard)

CRIMINOLOGY

Assumed knowledge: English (Standard)

CYBER SECURITY AND BEHAVIOUR

Areas of study: Criminology, cybercrime, data informatics, psychology, systems security

Assumed knowledge: English (Standard)

Recommended Studies: Mathematics, Information Processes and Technology, any two units of science.

DESIGN**DESIGN (DIP)****Visual Communication**

Areas of study: Data visualisation, design history, graphic design, illustration, interactive, motion design, photomedia, research methods, visual storytelling, web and time based design

Assumed knowledge: One or more of Design and Technology, Visual Arts, Information Processes and Technology

Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

DESIGN AND TECHNOLOGY

Assumed knowledge: Any two units of English, plus at least two of Physics, Design and Technology, Visual Arts

EDUCATION (PRIMARY) – ABORIGINAL AND TORRES STRAIT ISLANDER EDUCATION

Available only to Aboriginal and Torres Strait Islander students.

Additional selection criteria: Entry is via the Aboriginal and Torres Strait Islander Alternative Entry Program. Check with the University for more details.

ENGINEERING (HONOURS)**ENGINEERING (ADVANCED) (HONOURS)**

Areas of study: Civil, construction, electrical, mechanical, robotics and mechatronics

Assumed knowledge: Mathematics (Band 5 or higher), any two units of science, any two units of English

Recommended studies: Physics plus HSC Mathematics Extension 1 or HSC Mathematics Extension 2

Additional selection criteria: Engineering (Advanced) (Honours) entry requires a higher minimum cut-off.

ENGINEERING (DIP)

Assumed knowledge: Any two units of English, any two units of mathematics

Recommended studies: Physics

ENGINEERING SCIENCE

Assumed knowledge: Mathematics (Band 4 or higher), any two units of science, any two units of English

Recommended studies: Physics, HSC Mathematics Extension 1 or HSC Mathematics Extension 2

ENTREPRENEURSHIP (GAMES DESIGN AND SIMULATION)

Assumed knowledge: Mathematics, any two units of English.

Recommended studies: Information Processes and Technology or Software Design and Development.

FORENSIC SCIENCE

Assumed knowledge: At least two of Biology, Chemistry, Mathematics

GRAPHIC DESIGN (PATHWAY TO TEACHING SECONDARY)

Assumed knowledge: Any two units of English, any two units of mathematics

Recommended studies: Design and Technology, Visual Arts, Multi-media technology.

HEALTH SCIENCE

Areas of study: Health promotion, health services management, public health, therapeutic recreation

Assumed knowledge: Any two units of English

Health and Physical Education

Assumed knowledge: Any two units of English

Recommended studies: Personal Development, Health and Physical Education (PDHPE) or Community and Family Studies

Health and Physical Education Pathway to Teaching (Secondary)

Assumed knowledge: Any two units of English (Band 4)

Recommended studies: Personal Development, Health and Physical Education (PDHPE) or Community and Family Studies plus English (Standard) or equivalent

Public Health

Assumed knowledge: Any two units of English

Sport and Exercise Science

Assumed knowledge: Any two units of English

Recommended studies: Any two units of science and/or mathematics. Personal Development, Health and Physical Education (PDHPE) can be counted as a science unit for this course.

HEALTH SCIENCE (DIP)

Areas of study: Health and physical education, health promotion, health services management, physical development, therapeutic recreation

Assumed knowledge: Any two units of English

HUMANITARIAN AND DEVELOPMENT STUDIES

Assumed knowledge: English (Standard)

INDUSTRIAL DESIGN

Assumed knowledge: Design and Technology, any two units of English, plus at least two units of Business Studies, Mathematics, Physics, Visual Arts

INFORMATION AND COMMUNICATIONS TECHNOLOGY**INFORMATION AND COMMUNICATIONS TECHNOLOGY (ADVANCED)****INFORMATION AND COMMUNICATIONS TECHNOLOGY (DIP)****Health Information Management**

Areas of study: Cyber security, entertainment computing, health informatics, mathematics, mobile computing, networking

Assumed knowledge: Mathematics, any two units of English

Additional selection criteria: Information and Communications Technology (Advanced) entry requires a higher minimum cut-off.

INFORMATION SYSTEMS**INFORMATION SYSTEMS (ADVANCED)**

Areas of study: Big data, entertainment computing, health informatics, mathematics, mobile computing, networking, social media analytics

Assumed knowledge: Mathematics, any two units of English

Additional selection criteria: Information Systems (Advanced) entry requires a higher minimum cut-off.

INTERNATIONAL STUDIES

Assumed knowledge: Any two units of English (Band 4)

Recommended studies: English (Standard)

Additional selection criteria: Dean's Scholar entry requires a higher minimum cut-off.

LAWS

Assumed knowledge: English (Advanced)

LAWS (COMBINED)

The following combined Law courses are offered:

- Accounting/Laws
- Arts/Laws
- Business /Laws
- Business (Advanced Business Leadership)/Laws
- Communication/Laws
- Construction Management Studies/Laws
- Criminal and Community Justice/Laws
- Criminology/Laws
- Information and Communications Technology/Laws
- Information Systems/Laws
- International Studies/Laws
- Laws/Applied Leadership and Critical Thinking
- Policing/ Laws
- Science/Laws
- Social Science/Laws

Assumed knowledge: *For Laws:* English (Advanced) *For the other area of study:* Refer to the relevant entry

MEDICAL SCIENCE**MEDICAL SCIENCE (ADVANCED)****MEDICAL SCIENCE (FORENSIC MORTUARY PRACTICE)**

Assumed knowledge: At least two of Biology, Chemistry, Mathematics, Physics

Recommended studies: *For Medical Science (Advanced):* Mathematics (Band 4 or above), Chemistry

Additional selection criteria: Medical Science (Advanced) entry requires a higher minimum cut-off.

MEDICINE/SURGERY

Additional selection criteria: Undergraduate Medicine and Health Sciences Admission Test (UMAT), interview

MIDWIFERY

Assumed knowledge: Any two units of English, any two units of mathematics, any two units of science

Additional selection criteria: Interview

MUSIC

Additional selection criteria: Audition, interview, or AMEB (or equivalent) 6th grade performance and 4th grade theory, or TAFE Diploma or Advanced Diploma. Dean's Scholar entry requires a higher minimum cut-off.

NATURAL SCIENCE**Animal Science**

Assumed knowledge: Any two units of English, any two units of mathematics

Recommended studies: At least one of Agriculture, Biology, Chemistry, Earth and Environmental Science, Geography

Environment and Health

Assumed knowledge: Mathematics, any two units of science

Environmental Management

Assumed knowledge: Any two units of English, any two units of science

Recommended studies: Biology or Chemistry

NATURAL SCIENCE (ADVANCED)

Assumed knowledge: At least two of Biology, Chemistry, Mathematics, Physics

Recommended studies: At least one of Agriculture, Biology, Chemistry, Earth and Environmental Science, Geography

Additional selection criteria: Natural Science (Advanced) entry requires a higher minimum cut-off.

NURSING**NURSING (ADVANCED)**

Assumed knowledge: Any two units of English, any two units of mathematics, any two units of science

Additional selection criteria: Nursing (Advanced) entry requires a higher minimum cut-off.

OCCUPATIONAL THERAPY

Assumed knowledge: Any two units of English

Recommended studies: Physics, Chemistry plus Biology and/or Personal Development, Health and Physical Education (PDHPE)

PARAMEDICINE

Assumed knowledge: Any two units of English, Mathematics

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

PHYSIOTHERAPY

Assumed knowledge: Any two units of English

Recommended studies: Biology

PLANNING**Pathway to Master of Urban Management and Planning**

Recommended studies: Any two units of English, Geography

PODIATRIC MEDICINE

Assumed knowledge: Any two units of English

Recommended studies: Mathematics, Physics, Biology

POLICING**POLICING (LEADERSHIP PROGRAM)**

Recommended studies: Any two units of English

Additional selection criteria: Policing (Leadership Program) entry requires a higher minimum cut-off.

PSYCHOLOGY

Assumed knowledge: English (Standard)

Recommended studies: Mathematics, any two units of science

SCIENCE

Assumed knowledge: At least two of Biology, Chemistry, Mathematics, Physics

Biological Sciences

Assumed knowledge: At least two of Biology, Chemistry, Mathematics, Physics

Chemistry

Assumed knowledge: At least two of Biology, Chemistry, Mathematics, Physics

Environmental Science

Assumed knowledge: Any two units of English, any two units of science

Recommended studies: Biology, Chemistry, Geography

Mathematical Science

Assumed knowledge: Mathematics

Recommended studies: HSC Mathematics Extension 1

Nutrition and Food Science

Assumed knowledge: At least two of Biology, Chemistry, Mathematics

Science/Pathway to Teaching (Primary/Secondary)

Assumed knowledge: At least two of Biology, Chemistry, Mathematics, Physics

Zoology

Assumed knowledge: Any two units of English, any two units of science

SCIENCE (ADVANCED)

Assumed knowledge: At least two of Biology, Chemistry, Mathematics, Physics

Additional selection criteria: Science (Advanced) entry requires a higher minimum cut-off.

SCIENCE (DIP)

Assumed knowledge: Any two units of mathematics, any two units of science

Recommended studies: Biology, Chemistry, Physics

SOCIAL SCIENCE**SOCIAL SCIENCE (ADVANCED)**

Areas of study: Anthropology, child and community studies, criminology and criminal justice, geography and urban studies, heritage and tourism, peace and development studies, sociology

Assumed knowledge: English (Standard)

Additional selection criteria: Social Science (Advanced) entry requires a higher minimum cut-off.

Science, Criminology and Psychological Studies

Assumed knowledge: English (standard)

SOCIAL SCIENCE (DIP)

Assumed knowledge: Any two units of English

SOCIAL SCIENCE (POLICING) (DIP)

Recommended studies: Any two units of English

SOCIAL WORK

Assumed knowledge: Any two units of English

SPORT DEVELOPMENT

Assumed knowledge: Any two units of English

Recommended studies: Personal Development, Health and Physical Education (PDHPE), Business Studies, Economics

SUSTAINABLE AGRICULTURE AND FOOD SECURITY

Assumed knowledge: Any two units of English, any two units of mathematics

Recommended studies: Biology, chemistry, agriculture, geography

TOURISM MANAGEMENT

Assumed knowledge: Any two units of English

Recommended studies: Geography and/or Business studies

TRADITIONAL CHINESE MEDICINE

Assumed knowledge: Any two units of English

Recommended studies: Biology

COMBINED/DOUBLE DEGREES

For combined/double degrees check the prerequisites, assumed knowledge and recommended studies for both degrees. Contact the University for further details.

- Arts/Business
- Arts/Creative Industries
- Arts/Social Science
- Communication (Advertising or Public Relations)/Business
- Communication/Creative Industries
- Communication/International Studies
- Criminal and Community Justice/Social Work
- Design/Creative Industries
- Engineering (Honours)/Business
- Information and Communications Technology/Arts
- Information and Communications Technology/Business
- Information and Communications Technology/Business (Accounting)
- Information Systems (Advanced)/Business
- Information Systems/Business
- International Studies/Business
- International Systems/Social Science
- Music/Creative Industries
- Science/Arts
- Science/Business
- Science/International Studies
- Zoology/Animal Science

Combined/double degrees in Laws are also offered. Refer to main subject entry for details.

APPLIED LEADERSHIP AND CRITICAL THINKING

This degree can be taken in conjunction with any Western Sydney Bachelor degree listed in this booklet. It is not a standalone program.

Assumed knowledge: Any two units of English

DATA SCIENCE

This degree can be taken in conjunction with any Western Sydney Bachelor degree listed in this booklet. It is not a standalone program.

Assumed knowledge: Any two units of mathematics

ENTREPRENEURSHIP

This degree can be taken in conjunction with any Western Sydney Bachelor degree listed in this booklet. It is also a standalone program.

Assumed knowledge: Any two units of mathematics



University Entry Requirements 2020 for Year 10 Students

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(NSW & ACT) Pty Ltd
ACN 070 055 935 ABN 19 070 055 935

ISSN 1443-0231

Published April 2017
Printer Blue Star Web, Silverwater, NSW

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This publication is available on UAC's website.

About this publication

This booklet is for students in Year 10 in 2017 to help them decide which HSC courses to take in Years 11 and 12. It lists courses UAC's participating institutions will offer in 2020 with details of prerequisites, assumed knowledge, recommended studies and additional selection criteria.

Cover image

Alexandra Chase
Marian Catholic College

Bypassed: What's Your Superpower? (Graphic Design)

What's your Superpower? was inspired by my love for superheroes and comic books. To create my own superheroes, I looked around our society for people who do incredible things in their everyday life – people like doctors, nurses, paramedics, police officers and teachers. The real superheroes in our society. Using tools of the illustration industry like alcohol pens, I created my superheroes both in drawings and in 3D figures using polymer clay. My work is a homage to the superhero genre and fan base that I love so much.

ARTEXPRESS

ARTEXPRESS is an annual series of exhibitions of outstanding works selected from the NSW Higher School Certificate examination in Visual Arts. ARTEXPRESS is a joint project of the NSW Department of Education and Communities and the NSW Education Standards Authority. The artworks are on display at the Art Gallery of New South Wales, Hazelhurst Regional Gallery and Arts Centre, The Armory, Sydney Olympic Park, Campbelltown Arts Centre and regional galleries throughout NSW.

Important information

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Times

Times indicated in this publication are Sydney time.

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If you are a NSW Higher School Certificate student, your Year 12 results will be held, along with Year 12 results from other states and territories in Australia, in an archive database at UAC. If you are eligible for an Australian Tertiary Admission Rank (ATAR) or a Limited ATAR, these will also be held in the database. Your results, including your ATAR if you are eligible, will be held in similar archives at tertiary admissions centres in other states in Australia. Results held in these archives will only be accessed by the relevant tertiary admission centre if you initiate an application for tertiary study through that centre, or if you submit an application for tertiary study directly with an institution participating in that centre.

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- ¹ In the *Privacy and Personal Information Protection Act 1998 (NSW)*.
- ² In the *Privacy Act 1988 (Cth)*.
- ³ In the *Health Records and Information Privacy Act 2002 (NSW)*.

2017 edition

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