



THE UNIVERSITY OF
NEWCASTLE
AUSTRALIA

**TOP 3%
IN THE
WORLD***

our degrees

2015/16

international undergraduate handbook



international.newcastle.edu.au



welcome

The University of Newcastle is a world-class institution with a strong commitment to equity, excellence and engagement. It is through this commitment that we are realising our aspiration to deliver first-rate education, research and innovation that contributes to the economic development and social cohesion of our regions, Australia and the world. Internationally, we rank in the top three per cent of universities in the world, and the latest QS rankings of the top 100 universities in the world under the age of 50 ranks UON 19th globally and number 1 in Australia.

Educating first-rate graduates is our most important role. We focus on delivering high quality and innovative programs with an emphasis on excellent teaching. Among our staff are experts who rank in the top one per cent in their field in the world, as well as national and state recipients of Teacher of the Year, and winners of the prestigious Australian Awards for University Teaching.

UON prepares students for the world of work in exciting and challenging ways. Approximately 90 per cent of our undergraduate programs include the opportunity for a work integrated learning component, which means that students can study and learn 'on the job' in a professional environment. Our delivery of excellent face-to-face learning is supported by state-of-the-art facilities and technology, including high-tech laboratories and digitally connected information and student hubs. Our five libraries house a collection of more than 1.3 million items and provide access to over 80,000 electronic journals.

Complementing UON's strong education record, Newcastle is in the top 10 research universities in Australia. As a research-intensive university, we partner with government and industry across priority areas to help solve some of the world's most complex challenges.

Our research and teaching facilities are located on the beautiful New South Wales coast – Newcastle, the Central Coast and Port Macquarie – and our presences in Singapore and Sydney are growing. With almost 40,000 students including more than 7,500 from over 100 countries the University community is vibrant and dynamic, offering a first-rate experience that mixes a world-class academic environment with opportunities to engage in cultural, social and sporting activities.

Through quality education and facilities, and a focus on world-class research and innovation, students at the University of Newcastle are provided with the best opportunity to reach their potential and to one day join our growing alumni network of 115,000 in more than 120 countries worldwide.

I look forward to seeing you at the University of Newcastle.

Professor Caroline McMillen
Vice-Chancellor and President

contents

UON rankings	1	Facilities	9	Course guide	18
The location	2	Teachers	10	Application forms	41
International student life	4	Language and academic pathways	12		
Campuses	5	Applying	14		
Student services / Accommodation	8				

top 3% in the world

THE UNIVERSITY OF NEWCASTLE IS RANKED IN THE TOP 3 PER CENT OF UNIVERSITIES IN THE WORLD, ACCORDING TO TWO GLOBAL INDEPENDENT RANKING SYSTEMS¹. THIS MEANS OUT OF MORE THAN 9,000 UNIVERSITIES IN THE WORLD WE ARE IN THE TOP 300.

TOP 300

universities in the world¹

AUSTRALIA'S No.1

university under 50 years of age²



Five star university for research³

EQUAL 7th

in Australia for research 'well above world standard'⁴

TOP 10

in Australia for research income⁵

OVER 90%

of our research is 'at' or 'above world standard'⁴

¹ QS World University Rankings 2014 and Times Higher Education World University Rankings 2013 ² Times Higher Education '100 Under 50' 2014 and QS 'Top 50 Under 50' 2014 ³ QS Stars 2013 ⁴ Excellence in Research Australia 2012 ⁵ Higher Education Research Data Collection

a world-class education in a uniquely beautiful location

Situated on the sunny East Coast of Australia, Newcastle is one of the world's most beautiful coastal cities – it attracts thousands of international students, every year.

These students enjoy the area's bustling cosmopolitan culture, without the stress of more expensive Australian cities. You can meet with friends in the city district's many cafes and bars, or spend your Sunday relaxing in the beautiful natural surroundings. It's the perfect balance of study and lifestyle!

Newcastle is also perfect for students wishing to spend their free time travelling to Australia's other must-see destinations. It's around 2 hours from Sydney, and just off the main coastal highway for exploring Australia's many picturesque sea-side towns.

Best of all, Newcastle offers the perfect climate for anyone chasing that famous Aussie sunshine. Enjoy moderate winters and long playful summers, with an average summer temperature of around 28 degrees. This makes perfect weather for relaxing or playing – or even studying – on some of Australia's best beaches.



AS ONE OF AUSTRALIA'S FASTEST GROWING AND MOST DYNAMIC CITIES, NEWCASTLE WAS RANKED IN THE TOP TEN OF THE WORLD'S MOST LIVEABLE CITIES BY THE LONELY PLANET GUIDE¹

¹ *The Lonely Planet Guide, 2011*

5 things you must do in Newcastle

Whether you're looking for the classic beach lifestyle or the pulse of city life, you'll never run out of things to do in Newcastle. Here are five unmissable Newcastle experiences...

Nobby's Beach

There are over ten beaches in the main Newcastle area alone, but none is more famous - or beautiful - than Nobby's. Stretching to the tip of Newcastle's peninsula, you'll find over a kilometre of clean, white Aussie sand - as well as the famous harbour just behind you. And don't forget to take a stroll along the boardwalk to Nobby's lighthouse for the very best view of this breathtaking seaside city.



Stockton Dunes

One of the truly unique attractions of Newcastle, the Stockton Sand Dunes are the largest in the Southern Hemisphere - over 30 kilometres long, and over 2 kilometres in width. Think of them as a desert by the sea! There are plenty of ways to experience them: racing over the hills in a quad bike, or even trekking the beach on a sunset camel ride. But the student favourite is the sandboarding tours - it's like skiing... but on sand! Or stop by the Sygna shipwreck, resting on the shore. It's an essential adventure set against an incredible natural landscape.

Dolphin Cruise

Around 20 minutes drive from Newcastle, you'll find the summertime paradise that is Nelson Bay. Try some famous Aussie fish and chips by the water, shop for some authentic Australian art and souvenirs, and then jump on a cruise ship and head out to the islands to meet our friendly dolphin pods (or whale watching in the winter months). They'll come right to the boat to say hello.



Honeysuckle Wharf

Most visitors associate Newcastle with its iconic beaches, but Newcastle's harbour is another Australian legend with a rich history. It's the busiest working harbour in the Southern Hemisphere - with massive ships sailing so close, you could almost reach out and touch them. And the best place to take in these sights is relaxing at Honeysuckle Wharf. This modern precinct lines the harbour, with dozens of cafes, restaurants and bars to keep you laughing with friends long into the night.



Darby St

A favourite area with the university students, Darby St is the cool part of town. Stroll along this bustling main street from morning to midnight, and always find something to do. Whether you're looking for the latest fashions; dining in one of over thirty restaurants and bars; seeing the latest exhibition at the Newcastle Regional Art Gallery; or relaxing by the fountain in Civic Park - Darby St is where the buzz is.



meet the world

A vibrant international student community

Being an international student at the University of Newcastle isn't just about meeting the local Aussies - it's also a great chance to experience a diverse range of cultures, and make friends from all over the world. From a total student population of over 35,000, around 7,500 students have come to us from over 100 countries outside Australia. You can meet people from every continent and walk of life - and we'll help you do it.

Our UON International team are dedicated to your journey here at the University of Newcastle. From the moment you accept your offer, you'll have access to a range of support services to make sure your experience with us is the very best it can be.



"EVERYONE AT THE UNI IS ALWAYS MAKING SURE WE ARE OKAY AND HAVE EVERYTHING WE NEED. THEY REALLY TAKE CARE OF US."

- Tonje (Norway)

Our **International Student Advisors** care about the students they help, every day. Whether it's making sure you have the right university documentation for your Visa, or helping you get to the university once your plane lands - they're here to take the worry out of your experience, so you can focus on the good stuff. And they'll continue to be there for you, right throughout your studies, as well as helping you prepare for your return home.

TOP 100

most international universities in the world

(Times Higher Education World University Rankings 2013)

Once you're here, it's time to join our **international student facebook group** and start getting to know your fellow students. Then, come meet everyone in person at our famous **International O-Week** - it's how we help you settle in before your classes start. We'll teach you everything you need to know about the university and the local area, and give you the opportunity to join us for a program of fun-filled excursions to some of the area's best tourist attractions and destinations - and lots of free Aussie BBQ's!

Once classes have started, it's important you find ways to take time out to relax and have fun with your fellow students. We run a series of international-focused programs for that purpose. You can also mingle with our local students - whether it's for a friendly game of soccer in our weekly **GOALSS** program, or the fun and informative **iLEAD** program.

Confucius Institute is an on-campus centre of Chinese culture. It offers language and culture classes; as well as hosting a number of events celebrating our friendship with China, including the annual Newcastle China Festival.



EVERY YEAR, THE LOCAL COMMUNITY TAKES TO THE STREETS FOR THE NEWCASTLE CHINA FESTIVAL - RUN BY OUR CONFUCIUS INSTITUTE

There are plenty of ways for you to balance study and cultural life with UON International. Get involved. For more info visit newcastle.edu.au/get-involved



The University of Newcastle has campuses and presences in six locations. It offers international programs at its four largest: the Callaghan and City Precinct campuses of Newcastle; Ourimbah; and Sydney.

Newcastle (Callaghan Campus)

Set on 140 hectares of lush, natural setting, our Newcastle campus (Callaghan) is regarded as one of the most beautiful in Australia. You'll find state-of-the-art facilities surrounded by native trees and wildlife – a tranquil environment for study like no other.

There's always something going on at our Newcastle campus. Recharge with a great coffee, do some banking or shopping, grab a bite to eat or meet up with friends at one of our many cafes, bars or recreational spaces.

There are two major libraries and computer work-hubs - plus the entire campus is serviced by free wifi. There really is everything you could need at Callaghan. Thousands of students live on and around the campus itself. And it's only a short train or bus ride to the city centre.

FUN AND ENTERTAINMENT

Make life-long friendships and create memorable moments by getting involved in our social activities such as the National Campus Band Comp, bar trivia, our community garden, local DJs and our annual Festival of Autonomy celebration.

The Godfrey Tanner Bar and Bar on the Hill are great places to meet friends, play a game of pool, or simply relax and listen to some tunes in the indoor and outdoor spaces. Bar on the Hill is an icon on the Newcastle music scene and has been rocked by some of Australia's biggest bands and DJ's.



On-campus station
<12 mins to city



3 On-campus bus stops
18 routes servicing Newcastle



On-campus parking



CBD
<15mins by car



Beaches
<20mins by car

Newcastle City Precinct

Depending on what program you study, you may take classes at our Newcastle City precinct, located in the Newcastle CBD. All students can access our city hub and information common in University House 24 hours a day, seven days a week.

The Conservatorium (part of our School of Creative Arts) is located near the Civic Centre precinct, while the Newcastle Legal Centre and Newcastle Business School are located in University House, opposite Civic Park. These are both just steps away from cafés, restaurants and boutiques on Newcastle's famous Darby Street - right in the heart of Newcastle city. Spend your breaks studying in the park beneath the trees, catch a free city bus to the beach in just five minutes, walk to the local cinema in three minutes, or meet up with friends in the dozens of surrounding cafes and bars.

From 2017, our Newcastle City Precinct will be home to NeW Space, a \$95 million landmark education development that will feature the latest in technology and innovation in teaching and learning. NeW Space will deliver a world-class student experience by engaging our students in new and exciting ways.



Central Coast (Ourimbah Campus)

Our Central Coast campus is characterised by state-of-the-art facilities, modern architecture and beautiful gardens, all set on 80 hectares and surrounded by pristine bushland.

You'll experience a world-class education and a personalised learning environment that gives you the opportunity to build close connections with your lecturers, tutors and fellow students.

The campus offers 18 degrees including exclusive offerings in podiatry, oral health therapy, food science and human nutrition, and exercise and sport science.

The Quad is the ideal place to relax on the grass, read a book, or meet friends. After you've finished in the library, you could grab a coffee from one of the two on-campus cafés or take advantage of the cafeteria for a bite to eat.

If you're interested in getting or staying fit, take advantage of our free gym which is accessible to all students on campus.

For those essential study supplies, we also have an on-site bookshop and stationery retailer.



10 min walk to station
90 mins to Sydney
85mins to Newcastle



3 On-campus bus stops
and regular services
+ free shuttle bus



Sydney

In Sydney, we offer language courses and postgraduate business study in the heart of the city.

Our Sydney campus is a state-of-the-art postgraduate business school. Many students who complete their undergraduate business degree in Newcastle move to Sydney to continue their study with the university while experiencing the big city life.

For students yet to begin their studies, the university's English Language Centre also offers courses from our Sydney campus.

You'll be right in the action of the city, so study breaks can be filled with sensational food, great shopping and endless entertainment possibilities.

The campus has the latest purpose-built facilities including 70-seat lecture theatres, tutorial rooms and a library. Study areas and the student common centre are ideal for private study, meeting peers for group work, or simply taking time to relax.

Learn more about these campuses - plus our Singapore and Port Macquarie campuses - at **newcastle.edu.au/campuses**



live your life

Student Services

Alongside your specialised international student support, you'll have access to a range of services available to all students.

CAREERS SERVICE

Free information and advice for current students about careers, study and employment.

DISABILITY SUPPORT

Practical assistance and advice for students with a permanent or temporary disability or medical condition.

LEARNING DEVELOPMENT

The Centre for Teaching and Learning has a team of Learning Advisers who offer advice, workshops and resources to help students learn effectively.

MYSUPPORT

An interactive website where you can find out about the range of support services that best fit your needs.

PEER ASSISTED STUDY SESSIONS (PASS)

Get practical study help from current students who have successfully completed the particular courses (subjects) you are studying.

OPENING IN 2015, THIS NEW DEVELOPMENT WILL DELIVER ALMOST 800 NEW PLACES IN FOUR RESIDENTIAL BUILDINGS OF APARTMENT-STYLE UNITS

Accommodation

We know students need secure, affordable and comfortable accommodation when they are studying. Whether you're interested in living on-campus or off-campus, we have services to help you.

LIVING ON-CAMPUS

Living on-campus is a great way to make friends, save on transport costs and have lots of fun! We offer 1,800 places on our Newcastle campus. There are eight residential colleges, plus our new student accommodation development offering the cutting-edge of student living. Or if you're at the Central Coast campus, Blue Gum House is a residential college offering 26 rooms.

Each college has its own unique atmosphere and hosts lots of social, cultural and sporting activities. For meals, you can choose from fully-catered, semi-catered or self-catered.

OFF -CAMPUS

If you'd prefer to live off-campus, either by yourself or with friends, we can help you get started. We have a database of current rooms, apartments and houses that are available for rent and offer free advice to students about issues relating to shared housing and rental accommodation.

HOMESTAY

Homestay is a great service where we connect you to a local family who not only provide you with a furnished room but with daily meals.

Do some research and pick the option that's right for you at newcastle.edu.au/accommodation



"MY ROOMMATES BECAME LIKE A FAMILY TO ME. LIVING ON CAMPUS WAS A GREAT DECISION!"

- Celine (Hawaii)

#worldclassuni

Libraries

Our libraries are designed to be spaces where you can learn, research, explore and create.

No matter what you study or at which campus, you'll have access to more than 1.3 million items, 380,000 plus eBooks and over 80,000 electronic journals. It would take 1,781 years to read every item in our libraries.

You can also make requests for information via SMS, email or phone, 24 hours a day. Our libraries have great informal work areas where you can meet friends, collaborate, prepare for exams and finish assignments.

INFORMATION COMMONS

These bright, lounge-style learning spaces are available for students 24 hours a day, seven days a week. The commons are equipped with computers, individual work spaces, laptop and printing facilities, and cafes, and there are staff on hand if you need some help. Information commons are located in University House at the Newcastle City precinct, Auchmuty library at Newcastle campus and in the Ourimbah library on the Central Coast campus.

 **1.3m** items

> 380k ebooks

> 80k electronic journals

Student hubs

Our student hubs are your first port of call for getting information about your degree, completing online forms, submitting or collecting assignments, getting a parking permit, or getting help with a uni issue. You can also log on to wifi or catch up with friends to relax in the café. Student hubs are located in the Newcastle City precinct, the Central Coast and Port Macquarie campuses and there are two on the Newcastle campus, in the Student Services Centre and the Shortland Building.

Health services

If you're unwell or need some health advice, we have medical centres on both our Newcastle and Central Coast campuses. There is also a pharmacy on the Newcastle campus.

Online

As part of your studies, you'll use our virtual learning environment UONline to collaborate and communicate with staff and students.

UONline gives you online access to learning materials, assessment information, recorded lectures, web-conferencing and instant messaging tools. A free mobile app is also available for accessing resources on the go. Students are automatically given a computer access account once they have enrolled. If you have a wireless enabled device, you can connect to our network from more than 60 hotspots across our campuses.

Sport and fitness

Healthy bodies support active minds.

NUSport offers students the opportunity to join 23 sporting clubs and even represent the University of Newcastle at the Eastern Australian or World University Games. Make new friends, keep fit and have lots of fun through accessing an affordable membership to first-class wellness facilities including:

The Forum Sports & Aquatic Centre at Callaghan boasts a 50-metre indoor heated pool, state-of-the-art gymnasium offering strength and cardio training, a cycle studio and a full program of group fitness classes. We also have one of the highest indoor climbing walls in Australia and two indoor basketball courts.



Six sporting fields for cricket, rugby union, rugby league, soccer, baseball, touch football and ultimate frisbee.

The Ray Watt Oval and Pavilion is the training home of the Newcastle Jets football team.

Our regional rowing pavilion and University Boat Club is located at **Berry Park**.

#researchleaders

Nutrition and Dietetics Professor Clare Collins is breaking new ground with her innovative approach of translating complex dietary information into web-based tools and practical healthy lifestyle programs that people of all ages can access.

be taught by research leaders

BE INSPIRED BY INNOVATIVE TEACHERS AND RESEARCHERS WHO ARE RECOGNISED NATIONALLY AND INTERNATIONALLY IN THEIR FIELDS OF INDUSTRY. YOU'LL BE EXPOSED TO NEW IDEAS, FRESH WAYS OF THINKING AND BE ENCOURAGED TO SHARE YOUR DISCOVERIES.



“THIS IS A VERY EXCITING TIME... THE UNIVERSITY WILL BE A MAJOR FORCE IN DRIVING THE FUTURE DEVELOPMENT ACROSS OUR REGIONS.”

- Professor John Aitken

World-renowned Newcastle researcher Laureate Professor John Aitken is a global authority on reproductive medicine. Professor Aitken's area of expertise is cell biology and biotechnology with particular emphasis on reproductive science. His research offers a solution to unsustainable population growth.

Innovators in teaching and learning

Our teachers are active researchers at the cutting edge of their field, and you'll have plenty of opportunities to engage with their work and share in the excitement of new discoveries.



“TO FACILITATE QUALITY LEARNING, I BELIEVE TEACHERS NEED TO DEMONSTRATE THE QUALITIES THEY SEEK TO PROMOTE IN THEIR STUDENTS. ”

- Professor Phil Morgan

Professor Phil Morgan's work has won countless awards, including the Award for Teaching Excellence in the 2012 Australian Awards for University Teaching. He continues to build on his multidisciplinary expertise that draws from the fields of education, nutrition, epidemiology and health promotion. His latest research, "Healthy Dads Healthy Kids", looks at the way fathers can be positive role models in combatting the problem of childhood obesity.

Preparing the next research leaders

As one of Australia's most research-intensive universities hosting more than 1,092 research academics, you will learn in an academic environment that encourages analytical thinking and intrinsic problem solving.

Like many of our students, you may be inspired to make exciting and valuable discoveries in your field of interest through research.

You will be challenged to develop new theories, new solutions and new ways of thinking from the very beginning of your undergraduate degree. Our summer vacation scholarships give you an opportunity to undertake supervised research in an area relevant to your degree before you graduate.



“THE RESEARCH I INTEND TO UNDERTAKE AT THE UNIVERSITY OF OXFORD IS A NATURAL PROGRESSION OF THE EXPERIENCE I GAINED AT THE UNIVERSITY OF NEWCASTLE”

- Kumaran

Electrical engineering graduate Kumaran Nathan's potential to become a leader in his field has been recognised with a prestigious scholarship from The General Sir John Monash Foundation to support his postgraduate study at Oxford University.



UON disciplines are ranked in top 200 in the world⁷

⁷QS World University Rankings by Subject, 2014



international pathways

For international students who do not meet either the language or academic requirements for entry into the undergraduate degree of their choice, a range of pathway options are available.

English Language Courses (ELICOS)

THE UNIVERSITY OF NEWCASTLE LANGUAGE CENTRE

The University of Newcastle Language Centre has been operating for more than 20 years and has established a reputation for excellence in English language education and providing an outstanding student experience. The Centre provides a friendly, supportive and culturally diverse atmosphere as part of the wider University of Newcastle environment.

With locations in both Sydney and Newcastle, students are offered 25 hours of classes per week, with full access to all university facilities and services from your first day. The Centre's ELICOS courses are designed to enable you to develop your English language skills for a variety of purposes and offer a range of programs to suit varying levels of English language proficiency.

Language Centre students are also encouraged to take part in the Centre's Student Experience Programs, which provide the opportunity to engage with Australian students, other international students and the local community. The program is designed to enhance your Australian experience and offer opportunities to apply English skills in real world situations.

In 2014 the Language Centre received the English Australia 'Award for Innovation' in recognition of the Centre's innovative and holistic approach to Language education and providing opportunities for meaningful engagement for our students.

Course dates and fees

Each course is ten weeks long, and new courses start every five weeks. It means you can start in any session and enrol in a course of one session or as many sessions as required to reach your goals.

2015 Intake dates

5 January - 6 February

9 February - 13 March

16 March - 24 April (*includes Easter break: 3 April - 10 April*)

28 April - 29 May

1 June - 3 July

course break: 6 July - 17 July

20 July - 21 August

24 August - 25 September

course break: 28 September - 9 October

12 October - 13 November

16 November - 18 December

course break: 21 December - 1 January (2016)

2015 fees

1 week = \$380.00

10 weeks = \$3,800.00

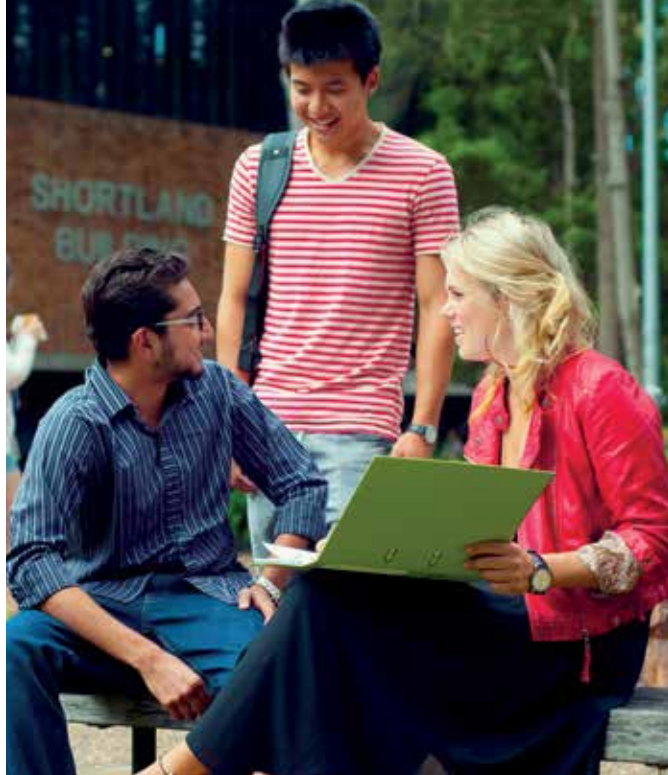
20 weeks = \$7,600.00

30 weeks = \$11,400.00

40 weeks = \$15,200.00

50 weeks = \$19,000.00

To learn more about how the Language Centre can help you visit www.studyelicos.com.au



Tertiary Preparation & Diplomas



NEWCASTLE INTERNATIONAL COLLEGE

Newcastle International College (NIC) provides international students with an alternative pathway to the University of Newcastle, via its Tertiary Preparation and Diploma programs. The college is a Registered Training Organisation (RTO ID Number 70243) and is also accredited as a Higher Education provider for its Diploma programs.

NIC is part of Navitas Limited, a world leader in education and training with more than 30,000 students currently studying across the globe. Navitas provides educational services including university programs, language training, workforce education and student recruitment.

The college is located at the university's Callaghan campus, on level 3 of the GP Building. NIC works closely with the University's International Office and the English Language Centre in arranging packaged enrolments for students to ensure a seamless transition to their university studies.

Students choose NIC for the following reasons:

- A specific pre-university pathway (Tertiary Preparation Program) for entry to all Bachelor degree programs at the university, including Medicine.

- NIC offers a fast-track Diploma which can be completed in a minimum of two trimesters (eight months). Students enrolled in a Diploma program are taught course content which is comparable to the first year of the University of Newcastle's bachelor degree. Students will receive full credit for studies completed and advance to the second year of the chosen degree. Diploma programs are offered in the areas of Business and Commerce, Engineering, Information Technology, and Media and Communication.

- Flexible study options: NIC delivers its programs across three intakes each year (March, June and October), with the exception of the pathway to Medicine (March only).

- NIC delivers university-level courses in a personalised and supportive learning environment. Studying in a small class environment means that students have access to a range of academic and support programs to ensure a successful transition to the University.

For more information regarding admission requirements, program information and how to apply, please visit the NIC website at www.nic.nsw.edu.au or contact us at:

Newcastle International College

Level 3, GP Building

The University of Newcastle

University Drive

Callaghan NSW 2308 Australia

Tel: +61 (02) 4921 8888

Fax: +61 (02) 4921 2094

E: info@nic.nsw.edu.au

CRICOS Provider Code 03293B



HUNTER TAFE: D2D (DIPLOMA TO DEGREE)

Hunter TAFE is an education provider in the Newcastle and surrounding area which provides diplomas in a range of professional fields. The new "D2D" program allows international students to undertake a one-year diploma and, if successful, gain admission into the corresponding bachelor degree at the University of Newcastle. This also allows students to transfer credits from their diploma to their degree, and potentially complete their bachelor degree in a shorter time. To find out more about the gaining admission to the University of Newcastle through a Hunter TAFE diploma, visit hunter.tafensw.edu.au



Want to be an international student at the University of Newcastle? Here's how to get here...

Prospective international students interested in applying for admission to a University of Newcastle degree program can either apply directly to the University through International Admissions or through an official overseas representative (agent) of the University.

Details of the University's official representatives are available at international.newcastle.edu.au/agents

Online applications can be made directly through www.newcastle.edu.au/international/study-with-us/how-to-apply

Detailed below are the stages in the application process.

Stage 1 / Applying for a place

1. Course selection:

Before completing an application either online or manually from this publication, you should visit the University website at: www.newcastle.edu.au/what-can-i-study/ and decide on your program of study.

When deciding on your program of study and commencement semester/trimester consider whether you may need to undertake English language tuition or the Newcastle International College's Tertiary Preparation Program.

2. Admission requirements:

Assessment for admission to the University is based on your academic qualifications, English proficiency and sometimes other criteria as per the online program handbook. Please complete all relevant sections of the application form and attach certified copies of all academic transcripts and any other items you wish to include. Further information regarding what is considered to be certified can be found at: www.newcastle.edu.au/international/study-with-us/how-to-apply The University has the right to request the presentation of original documents at any time during the application process or while the student is enrolled at the University.

The University's English proficiency can be found on the University website at: www.newcastle.edu.au/about-uon/governance-and-leadership/policy-library/document?RecordNumber=D12/79756P

If you are applying for advanced standing, it is recommended that you supply the following documents with your application; program outline, detailed course descriptions, methods of assessment, hours of contact, duration of courses and a list of textbooks used which is certified by the institution in which you studied for all courses you wish to be assessed for credit.

Send the completed application form directly to International Admissions at the University via email address IA@newcastle.edu.au or to an official representative of the University in your country.

3. Assessing your application:

Once we have received your application, it will be assessed for entry as soon as possible. You can assist in our assessment by ensuring that you have answered all questions and provided all necessary information and documents to support your application.

Stage 2 / Review your letter of offer

Successful applicants will receive from International Admissions, an offer of a place and acceptance document which will provide information on the tuition fees, health insurance fees, student amenities fees, the date of commencement of the program of study and the refund policy. Successful applicants will receive either an Unconditional or Conditional Letter of Offer.

Unconditional Offer

If you have provided all relevant certified documents, and met the University's academic and English proficiency requirements, the University will send you a Letter of Offer without any conditions.

Conditional Offer

The University may send you a conditional offer if you have not provided all that is required to issue you with an Unconditional offer. You will be notified of what is required from you in the offer. Once you have met the requirements stipulated under "Conditions" in your offer letter, an unconditional offer will be forwarded to you.

Confirmation of Enrolment (CoE) will not be issued until all conditions are met.

If an application is unsuccessful, applicants will receive an explanatory letter.

Stage 3 / Acceptance and payment of fees

In order to obtain a CoE, you are required to return your acceptance offer and pay a deposit in advance. Details on payment options for International students can be found at: www.newcastle.edu.au/international/before-you-leave/accepting-your-offer/payment-options

Stage 4 / Applying for a student visa

In order to apply for a student visa at an Overseas or Australian Visa Office, you will need to visit the Department of Immigration and Border Protection's (DIBP) website at: www.immi.gov.au/students

Stage 5 / Travelling to, and arriving in, Newcastle or on the Central Coast (Ourimbah)

The University strongly suggests that you seek advice about booking an air ticket as soon as you receive your CoE. Orientation week is generally one week prior to the commencement of Semester/Trimester. You should organise your travel arrangements to ensure you can attend. Decide on the type of accommodation you wish to have in Newcastle or on the Central Coast. Information regarding the many types of available accommodation can be found at www.newcastle.edu.au/international/before-you-leave/accommodation

When you arrive in Sydney, you will need to transfer (either by air, rail or bus) to Newcastle or Ourimbah, depending on where you will be studying. Information on how to transfer from Sydney to Newcastle or Ourimbah can be found at www.newcastle.edu.au/international/before-you-leave/register-your-arrival

All international students are expected to participate in the University's Orientation. For more information on Orientation please see www.newcastle.edu.au/international/while-you-are-here/orientation



CHECK FOR ADDITIONAL ENTRY REQUIREMENTS

It is important to check if the degree(s) you are interested in have special entry requirements for your application.



Some of Newcastle's famous coastline on the city peninsula tip.



BACHELOR OF

Aboriginal Professional Practice

C

Faculty of Education and Arts

Duration Three years full-time
Location Newcastle – Callaghan
CRICOS 072497G

BACHELOR OF

Aboriginal Professional Practice / Laws (Honours)

C

Faculty of Education and Arts

Duration Five years full-time
Location Newcastle – Callaghan
CRICOS 072854B

C

H

BACHELOR OF

Arts

Faculty of Education and Arts

Duration Three years full-time
Location Newcastle – Callaghan
 Central Coast – Ourimbah
CRICOS 001602K

Recommended studies

HSC English (Advanced) or equivalent.
 For psychology: HSC Mathematics or equivalent.

Why study with us?

Indigenous studies is one of our highest priorities. The Aboriginal team leading the Wollotuka Institute and Aboriginal Professional Practice degree are committed to the advancement of Indigenous education at a local, national and global level and have a proud reputation for ensuring positive outcomes for Aboriginal students across a range of degrees.

What you will study

Areas of study include Aboriginal cultural studies, Aboriginal research methods and field practice, and communication studies.

Career opportunities

Examples include business, government, non-government organisations, land councils, policy analyst, management and administration, health, legal services, tertiary education sectors, public relations, foreign affairs, case managers, community development officers and general administrators, in both Aboriginal and mainstream career opportunities.

For videos,
information and
how to apply visit:

newcastle.edu.au/degrees

Why study with us?

The Bachelor of Laws (Honours) is your passport to a career as a lawyer or a range of other related professions. As a graduate of the Bachelor of Laws (Honours) degree you will be highly competitive in the marketplace. The University of Newcastle law degree has a strong focus on real-world experience, allowing students to build practical skills such as client interviewing, mooting and courtroom practice through the University of Newcastle Legal Centre.

What you will study

You will graduate with skills and experience in: Advanced research; Advocacy; Analytical problem solving; High level task management; Negotiation; Strong oral and written communication.

Practical experience

If enrolled in the LLB (Practice) Program, you will undertake at least 360 hours of legal professional placement with legal practitioners, and simulated exercises, in each of your two final years.

Career opportunities

The skills you develop in advocacy, negotiation and high-level communication will give you a competitive advantage for Aboriginal affairs roles in health, education, community development and a range of other areas.

Professional recognition

Students completing this combined degree meet the academic requirement to practise law in NSW. The Newcastle Law School is the only Law School in New South Wales where upon completion of your studies you can be a certified practicing Lawyer, saving you time and money by not having to sit the bar exams.

Why study with us?

Our arts degree gives you a unique opportunity to follow your passions, explore new and exciting areas of study, and develop valuable and transferable career skills. As you progress through the degree you will be inspired by enthusiastic, award winning teachers and internationally ranked researchers, who will bring their courses to life and share their love of learning.

What you will study

You can choose majors in Aboriginal studies, ancient history and classical languages, creative and performing arts, English and writing, film, media and cultural studies, French, German, history, human geography and the environment, Japanese, linguistics, politics and international relations, philosophy and religion, psychology studies, and sociology and anthropology.

Practical experience

You will benefit from a teaching and learning environment that offers diverse study options. Our commitment is to equip you with knowledge and skills, while also providing you with an opportunity to apply all you've learned through a relevant work experience program.

Career opportunities

Examples include administration within business, government, education and non-government organisations, and research. Depending on majors: editing, interpreting, policy analysis/development, linguistics, diplomacy and, with further qualification teaching.

H Honours Honours is offered through an additional year of study. To be eligible, you must achieve the required grade point average (GPA).

BACHELOR OF
Arts/Laws
(Honours)

Faculty of Education and Arts

Duration	Five years full-time
Location	Newcastle – Callaghan
CRICOS	023104B

BACHELOR OF
Arts/Science
(Honours)

Faculty of Education and Arts

Duration	Four years full-time
Location	Newcastle – Callaghan Central Coast – Ourimbah
CRICOS	027446C

BACHELOR OF
**Biomedical
Science**

Faculty of Health and Medicine

Duration	Three years full-time
Location	Newcastle – Callaghan
CRICOS	023110D

Assumed knowledge

A strong background in Mathematics and the basic Sciences including Chemistry, Physics and Biology.

Why study with us?

The Bachelor of Laws (Honours) is your passport to a career as a lawyer or a range of other related professions. As a graduate of the Bachelor of Laws (Honours) degree you will be highly competitive in the marketplace. The University of Newcastle law degree has a strong focus on real-world experience, allowing students to build practical skills such as client interviewing, mooted and courtroom practice through the University of Newcastle Legal Centre.

What you will study

You will graduate with skills and experience in: Advanced research; Advocacy; Analytical problem solving; High level task management; Negotiation; Strong oral and written communication. With over twenty majors to choose from, a Bachelor of Arts allows you to pursue your passions and interests, whilst also building your research capabilities, communication skills, and your understanding of how our society functions.

Practical experience

If enrolled in the LLB (Practice) Program, you will undertake at least 360 hours of legal professional placement with legal practitioners, and simulated exercises, in each of your two final years.

Career opportunities

When you study arts in combination with law, you will add significant value to your Bachelor of Laws degree. For example, choosing to study history will broaden your understanding of legal issues by allowing you to see them within a wider context.

Professional recognition

Students completing this combined degree meet the academic requirement to practise law in NSW. The Newcastle Law School is the only Law School in New South Wales where upon completion of your studies you can be a certified practicing Lawyer, saving you time and money by not having to sit the bar exams.

Why study with us?

When you study a combined Bachelor of Arts/ Bachelor of Science degree at the University of Newcastle you will develop a broad and interesting skill set and gain the added advantage of graduating with two world-class degrees in just four years of full-time study.

What you will study

The Bachelor of Arts component of the degree offers 15 majors allowing you to select areas that interest you the most. By combining the diversity of the Bachelor of Arts program with a Bachelor of Science you will have a strong foundation for a career in the broad range of fields available to arts graduates, in a science related role or in an exciting combination of both!

Practical experience

In the Science degree of the program, laboratory or tutorial work is required in each major. Courses in some majors also require fieldwork as a supplement to or in place of laboratory work. Certain majors have a research placement course option.

Career opportunities

Some of the diverse career options open to graduates of this combined degree include: Agriculture, environment, human resource management, management and administration, marketing, minerals and resources, planning agencies, production, public relations, technology.

Professional recognition

A major in Chemistry is recognised by the Royal Australian Chemical Institute (RACI). Student may become members of RACI upon graduation. (see www.raci.org.au). A major in Photonics or Physics qualifies graduates for associate membership of the Australian Institute of Physics (AIP) (see www.aip.org.au/info)

Why study with us?

If you have an inquiring mind and a thirst for science, our biomedical science degree is for you. Biomedical science focuses on the basic knowledge of the structure and function of the human body, preparing you for a career in a wide range of biomedical fields. You will gain 'career-ready' skills in our purpose-built laboratories and graduate well prepared to collaborate on scientific investigations of human structure and function in health and disease at a molecular, cellular and whole systems level.

What you will study

Areas of study include anatomy, cell biology, human bioscience, human genetics and bioinformatics, human pharmacology, immunology, medical biochemistry, microbiology, molecular biology, neuroscience, nutrition, pathophysiology, physiology, and virology.

Practical experience

Practical classes will be held in selected courses where appropriate. There is an opportunity for you to do a research project in the third year of the degree.

Career opportunities

Examples include biomedical research in government, industry and pathology laboratories; opportunities in biotechnology, pharmaceutical and reproductive industries (IVF); in addition to education, communication, patent law and administrative careers with a requirement for knowledge in biomedical sciences. The degree is also suitable for those seeking entry into postgraduate degrees such as Pharmacy, Medicine or Law.

BACHELOR OF

Biotechnology

Faculty of Science and Technology**Duration** Three years full-time or part-time equivalent**Location** Newcastle – Callaghan**UAC code** 482150**2014 ATAR** 70.00**Assumed knowledge**

HSC Mathematics and Chemistry or equivalent.

Recommended studies

HSC Physics or equivalent.

BACHELOR OF

Business

Faculty of Business and Law**Duration** Three years full-time**Location** Newcastle – Callaghan
Central Coast – Ourimbah**CRICOS** 001133A**Assumed knowledge**

HSC Mathematics or equivalent.

BACHELOR OF

Business/ Commerce

Faculty of Business and Law**Duration** Four years full-time**Location** Newcastle – Callaghan
Central Coast – Ourimbah**CRICOS** 029749E**Why study with us?**

Biotechnology is predicted to provide solutions to a number of problems facing our society, including human and animal diseases, climate change, fuel alternatives and food security. Our biotechnology degree offers a unique placement opportunity and has strong ties to industry.

What you will study

Areas of study include biotechnology, cell and molecular biology, DNA technology, microbiology, and molecular genetics.

Practical experience

In third year you will spend a week at a time in intensive laboratory training, which features teamwork activities to prepare you for the workplace. In final year, you are able to undertake a 10 week placement in a biotechnology environment such as industry, university or the CSIRO, working in areas such as wildlife conservation, human health, reproductive technologies, environmental toxicology and remediation, bio-fuels, agriculture and biosecurity.

Career opportunities

Examples include DNA technology, pathology laboratories, genetic engineering, genetic counselling, biotechnology industries, biopharmaceutical industries, bioanalytical laboratories, reproductive biology industries, pollution control and waste treatment, forensic science labs, veterinary and agricultural support industries, biofuel industry, and government biotechnology support and regulatory agencies.

Professional recognition

AusBiotech; the Australian Society for Biochemistry and Molecular Biology; and the Australian Institute of Biology.

Why study with us?

The Bachelor of Business will give you a broad understanding of Australian and global business environments. You will gain practical skills and attributes that are highly valued by employers in a range of disciplines including finance, accounting, economics, politics, marketing, the legal system, industrial relations and statistics.

What you will study

Newcastle campus majors: human resource management, information systems in business, international business, management, marketing, logistics and supply chain management, and tourism. Central Coast campus majors: marketing, human resource management, management and tourism.

Practical experience

With the strong focus on teamwork and collaboration in business commerce careers, the Bachelor of Business includes an emphasis on group work as a form of assessment.

Career opportunities

Examples include business management and consulting, retail management, advertising and promotions, human resource management, industrial relations, business analysis, marketing, small and medium enterprise management, tourism and hospitality management, international business, supply chain management, logistics management, and database administration.

Professional recognition

The Australian Human Resources Institute (AHRI); and the Australian Market & Social Research Society (AM&SRS).

Why study with us?

The Newcastle Business School provides graduates with the skills necessary for a smooth transition from the classroom to the boardroom. The combined business/commerce degree focuses on imparting skills and attributes that are recognisable and valued by employers.

What you will study

The combined Bachelor of Business/Bachelor of Commerce provides flexibility to select an area of study best suited to your interests. Areas of specialisation in the business degree include human resources management, information systems in business, international business, management, marketing, logistics and supply chain management and tourism.

Practical experience

The University of Newcastle offers the opportunity for work integrated learning (WIL) as part of your combined business/commerce degree. Industry placements are an opportunity to gain hands on experience and insight and to establish links within the business community and that will advantage you when seeking future employment.

Career opportunities

As a graduate of the business/commerce degree, you will acquire the knowledge and skills needed to pursue employment in a wide range of business, government and not for profit organisations around the world. Graduates go onto exciting and lucrative careers in the fields of marketing, industrial relations, mining, human resources, and international business, and more.

H Honours Honours is offered through an additional year of study. To be eligible, you must achieve the required grade point average (GPA).

BACHELOR OF

**Business /
Laws (Honours)**

Faculty of Business and Law

Duration	Five years full-time
Location	Newcastle – Callaghan
CRICOS	032796E

BACHELOR OF

Commerce

Faculty of Business and Law

Duration	Three years full-time
Location	Newcastle – Callaghan Central Coast – Ourimbah
CRICOS	001063J

Assumed knowledge

HSC Mathematics or equivalent.

BACHELOR OF

**Commerce /
Laws (Honours)**

Faculty of Business and Law

Duration	Five years full-time
Location	Newcastle – Callaghan
CRICOS	023103C

Why study with us?

The Bachelor of Laws (Honours) is your passport to a career as a lawyer or a range of other related professions. As a graduate of the Bachelor of Laws (Honours) degree you will be highly competitive in the marketplace. The University of Newcastle law degree has a strong focus on real-world experience, allowing students to build practical skills such as client interviewing, mooting and courtroom practice through the University of Newcastle Legal Centre.

What you will study

You will graduate with skills and experience in: Advanced research; Advocacy; Analytical problem solving; High level task management; Negotiation; Strong oral and written communication. An advanced understanding of industrial relations, marketing or business theories and practices in combination with a Bachelor of Laws can underpin a successful career in corporate law.

Practical experience

If enrolled in the LLB (Practice) Program, you will undertake at least 360 hours of legal professional placement with legal practitioners, and simulated exercises, in each of your two final years.

Career opportunities

With businesses and corporations subject to extensive regulation, a law degree is a highly valued and useful asset within the business sector.

Professional recognition

Students completing this combined degree meet the academic requirement to practise law in NSW. The Newcastle Law School is the only Law School in New South Wales where upon completion of your studies you can be a certified practicing Lawyer, saving you time and money by not having to sit the bar exams.

Why study with us?

The Bachelor of Commerce is designed to help you fast-track your career in accounting, economics or finance. This degree provides practical skills and a broad understanding of the international business environment. Be equipped to make a smooth transition from the classroom to the boardroom by acquiring skills that are valued by employers.

What you will study

Newcastle campus majors: accounting, finance and economics. Central Coast campus major: accounting.

Practical experience

To prepare you for the strong focus on teamwork and collaboration in business commerce careers, this degree includes an emphasis on group work.

Career opportunities

Examples include professional accounting, business management, senior administration, banking and finance and, depending on the major, international banking, international finance, investment management, treasury management, money market operations and financial forecasting, public and private sector positions in finance and securities analysis, policy analysis and development in government, investment analysis, labour market research, taxation economics and treasury positions in banking and environmental planning.

Professional recognition

The Institute of Chartered Accountants in Australia (ICAA); the Australian Society of Certified Practising Accountants (CPA Australia); Financial Services Institute of Australasia (FINSIA); and the Australian Securities and Investments Commission (ASIC).

Why study with us?

The Bachelor of Laws (Honours) is your passport to a career as a lawyer or a range of other related professions. As a graduate of the Bachelor of Laws (Honours) degree you will be highly competitive in the marketplace. The University of Newcastle law degree has a strong focus on real-world experience, allowing students to build practical skills such as client interviewing, mooting and courtroom practice through the University of Newcastle Legal Centre.

What you will study

You will graduate with skills and experience in: Advanced research; Advocacy; Analytical problem solving; High level task management; Negotiation; Strong oral and written communication. The skills and knowledge you will gain studying commerce will complement and enhance the skills you will learn in your law degree. Both degrees teach critical thinking, analytical problem solving, task management and strong communication skills.

Practical experience

If enrolled in the LLB (Practice) Program, you will undertake at least 360 hours of legal professional placement with legal practitioners, and simulated exercises, in each of your two final years.

Career opportunities

Many law firms seek out professionals with both legal skills and expertise in commerce, accounting and finance. Lawyers with commerce expertise are also highly valued as in-house lawyers for large companies and government departments.

Professional recognition

Students completing this combined degree meet the academic requirement to practise law in NSW. The Newcastle Law School is the only Law School in New South Wales where upon completion of your studies you can be a certified practicing Lawyer, saving you time and money by not having to sit the bar exams.

BACHELOR OF

Communication

Faculty of Science and Information
Technology**Duration** Three years full-time**Location** Newcastle – Callaghan**CRICOS** 000326M

BACHELOR OF

Communications / Laws (Honours)

Duration Five years full-time**Location** Newcastle – Callaghan**CRICOS** 038697D

BACHELOR OF

Computer Science

Faculty of Engineering and Built
Environment**Duration** Three years full-time**Location** Newcastle – Callaghan**CRICOS** 001604G**Assumed knowledge**HSC Mathematics (Band 5 or above)
or equivalent.**Recommended studies**HSC Mathematics Extension 1 or higher,
English and one science related subject,
or equivalent.**Why study with us?**

If the idea of writing for media, working in television production, producing a radio program or working as a public relations consultant inspires you, then look no further than our Bachelor of Communication. You will develop the skills to produce thoughtful and creative work and to push your individual boundaries. As a graduate, you will be equipped to work as part of a team contributing to the dynamic cultural and creative industries both in Australia and around the globe.

What you will study

Areas of study include journalism, media studies, public relations or media production. Under the journalism major, you may study professional writing, public affairs, radio journalism, television journalism and feature writing. You can combine these courses with media production courses to develop skills pertinent to the evolving journalism environment.

Practical experience

Client-based placements, or an appropriate alternative, are embedded in all majors.

Career opportunities

Examples include positions in the communication and cultural industries in both the public and private sectors, in particular media production, public relations, journalism, film, television and audio production and post production, professional and creative writing, broadcast journalism, radio broadcasting and production, media research and analysis, audience research and analysis, research, and policy development.

Why study with us?

The Bachelor of Laws (Honours) is your passport to a career as a lawyer or a range of other related professions. As a graduate of the Bachelor of Laws (Honours) degree you will be highly competitive in the marketplace. The University of Newcastle law degree has a strong focus on real-world experience, allowing students to build practical skills such as client interviewing, mooting and courtroom practice through the University of Newcastle Legal Centre.

What you will study

You will graduate with skills and experience in: Advanced research; Advocacy; Analytical problem solving; High level task management; Negotiation; Strong oral and written communication. Your Communications degree will also teach you valuable inquiry and investigation skills, which will be beneficial if you choose to study law.

Practical experience

If enrolled in the LLB (Practice) Program, you will undertake at least 360 hours of legal professional placement with legal practitioners, and simulated exercises, in each of your two final years.

Career opportunities

Several legal practice areas focus on the media, communication and technology sectors. Mass media and communication technology are increasingly powerful and influential within our society, meaning associated laws and regulations are constantly developing.

Professional recognition

Students completing this combined degree meet the academic requirement to practise law in NSW. The Newcastle Law School is the only Law School in New South Wales where upon completion of your studies you can be a certified practicing Lawyer, saving you time and money by not having to sit the bar exams.

Why study with us?

Computer science is a fast-moving industry at the forefront of new technology. As a computer scientist, you will thrive on discovering groundbreaking techniques for developing and implementing software solutions for some of life's most challenging technological issues. Our Bachelor of Computer Science produces innovative and resourceful computer scientists who are experts in programming, systems analysis and the design and management of computer resources.

What you will study

You will choose one of the following majors: applied computing, computer science or computer systems and robotics. Studies in the degree include advanced programming techniques, algorithms, different programming languages, experimental and theoretical aspects in computer science, and fundamentals of software development.

Practical experience

You will have the opportunity to undertake a work-based project in third year.

Career opportunities

Examples include computer games development, graphics and movie animation, health informatics, developing and enhancing defence and security systems, and robotics. Opportunities exist all over the world in almost every industry from IT to business, manufacturing, defence and many more.

Professional recognition

This degree meets the highest academic accreditation standards of the Australian Computer Society.

BACHELOR OF

Construction Management

(Building) (Honours)

Faculty of Engineering and Built Environment

Duration	Four years full-time
Location	Newcastle – Callaghan Singapore
CRICOS	003693G

Recommended studies

HSC English and Mathematics or equivalent.

H

BACHELOR OF

Design

(Architecture)

Faculty of Engineering and Built Environment

Duration	Three years full-time
Location	Newcastle – Callaghan
CRICOS	001600A

Recommended studies

Any two units of HSC English plus Industrial Technology and/or Visual Arts.

H

BACHELOR OF

Development Studies

Faculty of Science and Information Technology

Duration	Three years full-time
Location	Newcastle – Callaghan
CRICOS	031290F

H

Why study with us?

The Bachelor of Construction Management (Building) will give you a holistic view of the construction project environment through problem-based learning, reflective professional practice, and using real-world situations faced by building and quantity surveying professionals. You will develop the skills needed to monitor and control the technical process of construction, as well as manage the legal and financial aspects of the building industry.

What you will study

Areas of study include construction management, project management, quantity surveying, building surveying and estimating, construction technology, environmentally sustainable development, facilities management, project management, and risk management.

Practical experience

You must complete 16 weeks of approved industrial experience before the commencement of the final year.

Career opportunities

Examples include self-employed consultancy or work for building/civil engineering contractors, property developer, project manager, facilities manager, building surveyors or work in quantity surveying practices. Graduates can become sub-contractors, materials suppliers and also work in plant and equipment organisations.

Professional recognition

The Australian Institute of Building (AIB); the Australian Institute of Quantity Surveyors (AIQS); and the Royal Institution of Chartered Surveyors (RICS). Reciprocal arrangements are in place with the Chartered Institute of Building (CIOB).

Why study with us?

Our graduates are highly sought after by architecture practices within Australia and throughout the world, with most students offered jobs within four months of graduating. You will learn in the award-winning Architecture Design Studio, and have the opportunity to exhibit your work to employers in your final year. Architecture is a creative and exciting profession that combines technology, ecology, philosophy, art and science to solve the problems of the built environment.

What you will study

Areas of study include architectural design, architectural history and theory, architectural technology, and professional practice.

Career opportunities

Examples include paraprofessional careers such as technicians, drafters, managers and designers in public and private architectural practices and associated industries. In addition to careers in private architectural practice, opportunities include careers in town planning, construction, project management, property development, overseas aid, infrastructure planning, research, journalism, criticism, restoration and conservation.

Professional recognition

The Bachelor of Design (Architecture) degree is a pre-professional qualification which is normally followed by the Master of Architecture. The completion of both programs provides qualifications to enable graduates to enter the Architecture profession.

Why study with us?

Issues involving development, poverty, inequality and environmental sustainability are some of the most important in the world today. Our Bachelor of Development Studies deals with these key issues in a current and global context. When you study a degree in development studies, you can go on to make a positive difference in the world.

What you will study

Areas of study include poverty and international development, cultures and citizenship, environment and sustainability, globalisation and economic development, and urban and regional development.

Practical experience

You have the opportunity to undertake placement with an outside host organisation in your final year. There are also opportunities to undertake fieldwork in interesting destinations such as the Northern Territory.

Career opportunities

Examples include international development, urban and regional planning, social and cultural planning, social policy, tourism, community development, local, state and federal government, environmental management, consultancy, management, advocacy, policy development, and research.

For videos,
information and
how to apply visit:

newcastle.edu.au/international

BACHELOR OF

Engineering (Honours)(Chemical)

Faculty of Engineering and Built Environment

Duration Four years full-time

Location Newcastle – Callaghan

CRICOS 018788M

Assumed knowledge

HSC Mathematics (Band 5 or above) or equivalent.

Recommended studies

HSC Mathematics Extension 1 or higher, English and one Science related subject or equivalent.

C

BACHELOR OF

Engineering (Honours)(Civil)

Faculty of Engineering and Built Environment

Duration Four years full-time

Location Newcastle – Callaghan

CRICOS 018786B

Assumed knowledge

HSC Mathematics (Band 5 or above) or equivalent.

Recommended studies

HSC Mathematics Extension 1 or higher, English and one Science related subject or equivalent.

C

BACHELOR OF

Engineering (Honours)(Computer)

Faculty of Engineering and Built Environment

Duration Four years full-time

Location Newcastle – Callaghan

CRICOS 001607E

Assumed knowledge

HSC Mathematics (Band 5 or above) or equivalent.

Recommended studies

HSC Mathematics Extension 1 or higher, English and one Science related subject or equivalent.

C

Why study with us?

Chemical engineers draw upon the vast and powerful science of chemistry to solve a wide range of problems. They use mathematics, science and creativity to overcome technical problems in a safe and economical fashion. Our chemical engineering degree will see you access world-class facilities and be taught by highly respected teaching staff who play an active role within the industry.

What you will study

Areas of study include fundamental process engineering topics, reactions and separations involving solids, liquids, and gases, process control design of clean and economical processes, project management and research with electives in coal and mineral processing, environmental processing, safety, and catalytic processing.

Practical experience

You will complete a minimum of 12 weeks industrial experience and have the opportunity to undertake an industry-related project in your final year.

Career opportunities

Examples include employment in industries such as manufacturing, pharmaceuticals, healthcare, biotechnology, nanotechnology, microfluidics, biomedical, microelectronics, environmental health, construction and design, pulp and paper, petrochemicals, energy production, reduction in greenhouse gas emissions, food and drink processing, specialty chemicals, water treatment, polymers, ceramics, mining and metallurgical extractive industries.

Professional recognition

Engineers Australia, and reciprocating bodies in the UK, United States and other countries; Royal Australian Chemical Institute; Australian Institute of Energy; and the Institution of Chemical Engineers (Great Britain).

Why study with us?

Civil engineers are responsible for the physical structures that we take for granted every day. As a civil engineer, you will be involved in environmental protection and consider the impact, efficiency and cost effectiveness of infrastructure. Our graduates enjoy high starting salaries and are targeted by businesses around the world. You will be taught in modern lab facilities by internationally recognised teaching staff.

What you will study

Areas of study include civil engineering, geotechnical engineering, structural engineering, water resources engineering, engineering design, fluid mechanics, legal studies, materials, pollution control, project and asset management, risk assessment, surveying, transportation engineering, and water treatment.

Practical experience

You will complete a minimum of 12 weeks industrial experience and have the opportunity to undertake an industry-related project in your final year.

Career opportunities

Examples include careers designing and constructing all types of infrastructure including dams, buildings, transport systems, gas and water supply, sewerage systems, harbours, airports and railways. There are many opportunities in industries such as construction and building, geotechnical and water engineering, mining, property development, consultancy firms and government bodies.

Professional recognition

Engineers Australia, and reciprocating bodies in the UK, United States and other countries.

Why study with us?

Be creative, get technical and join a profession in high demand in Australia and internationally. From aircraft control systems to high tech toys, you will be part of a fast-paced industry on the cutting edge of information and communication technology. You will acquire the skills to develop both hardware and software for electronic and microprocessor based systems. You will design and develop applications ranging from automobile control systems to entertainment systems.

What you will study

Areas of study include computer architecture, computer engineering, computer systems design, digital systems engineering, embedded systems, software engineering, automatic control, communications, computer architecture, data security, digital design, electronics, engineering management, signal processing and telecommunications networks.

Practical experience

You will complete a minimum of 12 weeks industrial experience and have the opportunity to undertake an industry-related project in your final year.

Career opportunities

Examples include employment in computer design and development, instrumentation and control, ICT infrastructure, defence applications, healthcare systems and communication networks/internet development. Jobs may include research and development, applications development and systems management.

Professional recognition

Engineers Australia, and reciprocating bodies in the UK, United States and other countries; and the Australian Computer Society.

H Honours Honours is offered through an additional year of study. To be eligible, you must achieve the required grade point average (GPA).

BACHELOR OF

**Engineering
(Honours)(Electrical)****Faculty of Engineering and Built Environment****Duration** Four years full-time**Location** Newcastle – Callaghan
Singapore**CRICOS** 018787A**Assumed knowledge**

HSC Mathematics (Band 5 or above) or equivalent.

Recommended studies

HSC Mathematics Extension 1 or higher, English and one Science related subject or equivalent.

BACHELOR OF

**Engineering
(Honours)
(Environmental)****Faculty of Engineering and Built Environment****Duration** Four years full-time**Location** Newcastle – Callaghan**CRICOS** 011012E**Assumed knowledge**

HSC Mathematics (Band 5 or above) or equivalent.

Recommended studies

HSC Mathematics Extension 1 or higher, English and one Science related subject or equivalent.

BACHELOR OF

**Engineering
(Honours)(Mechanical)****Faculty of Engineering and Built Environment****Duration** Four years full-time**Location** Newcastle – Callaghan**CRICOS** 018795A**Assumed knowledge**

HSC Mathematics (Band 5 or above) or equivalent.

Recommended studies

HSC Mathematics Extension 1 or higher, English and one Science related subject or equivalent.

Why study with us?

Electrical engineering is a rapidly expanding and diverse field and the major area of expertise behind control and automation, telecommunications, signal processing, analogue and digital electronics, and power generation and distribution. The Bachelor of Engineering (Honours) (Electrical) will equip you for a career in these areas, along with the exciting and challenging fields of nanotechnology, robotics and renewable energy.

What you will study

Areas of study include electrical engineering, electronics engineering, digital and switching electronics, computer hardware, control and automation, electromagnetics, engineering management, microprocessor applications, power systems, signal processing, and telecommunications.

Practical experience

You will complete a minimum of 12 weeks industrial experience and have the opportunity to undertake an industry-related project in your final year.

Career opportunities

Examples include employment in industries such as power generation, power distribution, mining, manufacturing, defence, computing and telecommunications. Within these industries, graduates have the potential to work in areas such as renewable energy, electronics, robotics, industrial automation, control, electrical drives, power and energy systems, telecommunications and biomedical instrumentation.

Professional recognition

Engineers Australia, and reciprocating bodies in the UK, United States and other countries.

Why study with us?

The Bachelor of Engineering (Honours) (Environmental) has a strong multidisciplinary focus reflecting the fact that environmental engineers work with other environmental specialists. You will be taught in modern laboratory facilities by teaching staff who are recognised internationally for outstanding research and for being leaders in their field. Environmental engineers are often employed as consultants to prepare environmental impact assessments for major projects.

What you will study

Areas of study include environmental engineering, water engineering plus specialisation in one of the following strands: chemical engineering, geotechnical engineering, natural science, biology, chemistry, environmental planning and design, fluid mechanics, land and water management, surface and groundwater pollutant transport, and waste treatment.

Practical experience

You will complete a minimum of 12 weeks industrial experience and have the opportunity to undertake an industry-related project in your final year.

Career opportunities

Examples include preparing environmental impact assessments for major projects, consultancy, design and development, employment in government corporations and agencies responsible for the environment. Opportunities also exist in the mining, forestry and construction industries.

Professional recognition

Engineers Australia, and by reciprocating bodies in the UK, United States and other countries.

Why study with us?

Mechanical engineers work to improve the design, safety and energy efficiency of wind turbines, ships, aircraft, trains, cars, mining equipment, lifts, air conditioners and much more. The profession is also playing an important role in the shift from a carbon economy to a renewable energy system. Mechanical engineering is regarded as the broadest of all engineering disciplines – you could find yourself designing and developing everything from door locks to space shuttles.

What you will study

Areas of study include advanced computer aided engineering, aeronautics, bulk solids handling, engineering management and renewable energy.

Practical experience

You will complete a minimum of 12 weeks industrial experience and have the opportunity to undertake an industry-related project in your final year.

Career opportunities

Examples include employment in the areas of power generation, mining, mineral processing, metal and materials production, transport, air conditioning and refrigeration, defence, materials handling and manufacturing. Typical mechanical engineering positions include engineering design, construction and commissioning of mechanical systems, management of operating plant and projects, and supervision and maintenance of manufacturing processes and automated systems.

Professional recognition

Engineers Australia, and reciprocating bodies in the UK, United States and other countries.

BACHELOR OF

Engineering (Honours) (Mechatronics)

Faculty of Engineering and Built Environment

Duration Four years full-time

Location Newcastle – Callaghan

CRICOS 032765A

Assumed knowledge

HSC Mathematics (Band 5 or above) or equivalent.

Recommended studies

HSC Mathematics Extension 1 or higher, English and one Science related subject or equivalent.

C

BACHELOR OF

Engineering (Honours)(Software)

Faculty of Engineering and Built Environment

Duration Four years full-time

Location Newcastle – Callaghan

CRICOS 018786B

Assumed knowledge

HSC Mathematics (band 5 or above) or equivalent.

Recommended studies

HSC Mathematics Extension 1 or higher, English and one Science related subject or equivalent.

C

BACHELOR OF

Engineering (Honours) (Telecommunications)

Faculty of Engineering and Built Environment

Duration Four years full-time

Location Newcastle – Callaghan

CRICOS 032766M

Assumed knowledge

HSC Mathematics (Band 5 or above) or equivalent.

Recommended studies

HSC Mathematics Extension 1 or higher, English and one Science related subject or equivalent.

C

Why study with us?

Mechatronics is a unique fusion of electrical, computer and mechanical technologies. If you like solving challenging technological problems and are looking for an exciting and challenging career, then mechatronics could be for you. From the control of robots to the optimisation of modern vehicles, from the design of appliances to biomechanics, mechatronics engineers become involved in a diverse range of exciting modern technologies. This may also include the design, automation and operational performance of electro-mechanical systems.

What you will study

Areas of study include control systems, electronic design, mechanical engineering design, mechanics of fluids and solids, sensors and actuators, computer-integrated manufacturing, computer networks, electrical systems, engineering management, finite element analysis, heat transfer, microprocessor systems, and modelling and simulation.

Practical experience

You will complete a minimum of 12 weeks industrial experience and have the opportunity to undertake an industry-related project in your final year.

Career opportunities

Examples include employment in integrated computer controlled mechanical and electrical systems found in the manufacturing and mining industries. Mechatronics engineers are also employed in electrical plants and companies where automation and process control is required.

Professional recognition

Engineers Australia, and reciprocating bodies in the UK, United States and other countries.

Why study with us?

Software engineers are experts in computer technologies and are responsible for building complex software systems for commerce, engineering, government and research. Our software engineering degree will give you a strong understanding of the most modern techniques of software development, such as object-oriented analysis and design, software process improvement, web engineering, design patterns and software architecture.

What you will study

Areas of study include fundamentals of computing, object-oriented technologies, programming languages, software development methodology, software system analysis, design and implementation, computer architecture, computer network, data security, distributed processing, engineering management, real-time systems, system software, user interface design and web engineering.

Practical experience

You will complete a minimum of 12 weeks industrial experience and have the opportunity to undertake an industry-related project in your final year.

Career opportunities

Examples include software product development, banking and finance, defence and security, industrial systems, telecommunications, internet and web engineering, marketing and consulting.

Professional recognition

Engineers Australia, and reciprocating bodies in the UK, United States and other countries; and the Australian Computer Society.

Why study with us?

Modern society, business, and government all rely on telecommunications systems such as the internet, telephone systems, broadcasting and satellite systems. Using your knowledge of electronics, hardware and software, signal processing and networking techniques, you will deliver applications from mobile phone systems to high-tech internet based entertainment systems.

What you will study

Areas of study include electrical engineering, digital electronics, computer engineering, digital communications, electromagnetics, signal processing, system design, telecommunications networks, wireless systems, engineering management, engineering design, control systems, data security, electronics and design, embedded systems, programmable logic design, optical communications, optical fibre, and switching electronics.

Practical experience

You will complete a minimum of 12 weeks industrial experience and have the opportunity to undertake an industry-related project in your final year.

Career opportunities

Examples include employment in computer networking, broadband networks, mobile and wireless communications, telecommunications services, broadcasting and ICT systems, computer engineering and systems, information technologies, utility sectors, electronic engineering, tele-health, research organisations, and technical analysis.

Professional recognition

Engineers Australia and reciprocating bodies in the UK, United States and other countries; and the Australian Computer Society.

H Honours Honours is offered through an additional year of study. To be eligible, you must achieve the required grade point average (GPA).

BACHELOR OF

Engineering (Honours)(Surveying)

Faculty of Engineering and Built Environment

Duration Four years full-time

Location Newcastle – Callaghan

CRICOS 077826K

Assumed knowledge

HSC Mathematics (Band 5 or above) or equivalent.

Recommended studies

HSC Mathematics Extension 1 or higher, English and one Science related subject or equivalent.

BACHELOR OF

Environmental Science and Management

Faculty of Science and Information Technology

Duration Three years full-time

Location Newcastle – Callaghan
Central Coast – Ourimbah

CRICOS 059877D

Assumed knowledge

HSC Mathematics or equivalent.

Recommended Studies

HSC Chemistry or Biology and Mathematics or equivalent.

BACHELOR OF

Exercise and Sport Science

Faculty of Science and Information Technology

Duration Three years full-time

Location Central Coast – Ourimbah

CRICOS 062429B

Assumed knowledge

At least two of HSC Biology, Chemistry, Physics, Mathematics, or equivalent.

Recommended studies

HSC Personal Development, Health and Physical Education, or equivalent.

Why study with us?

Surveyors are experts in the measurement, management, analysis and display of spatial information describing the Earth and its physical features. From mapping oceans to high-tech remote sensing, there are many exciting fields to choose from including space, forensics and medicine. This degree is the only one of its kind in Australia, emphasising both urban engineering studies and cadastral surveying.

What you will study

Areas of study include cadastral engineering, geodesy, geodetic, geomatics, geotechnical engineering, land management, photogrammetric and hydrographic surveying, satellite positioning, spatial information systems and computing, town planning and valuation, and water resources.

Practical experience

You will complete a minimum of 12 weeks industrial experience and have the opportunity to undertake an industry-related project in your final year.

Career opportunities

Examples include careers in the spatial information industry throughout Australia and the world. Graduates become professional surveyors in consultancies and private practice and mining surveyors, and work in government organisations.

Professional recognition

Engineers Australia; the Institution of Surveyors NSW; the Board of Surveying and Spatial Information of NSW; the Council of Reciprocating Surveyors Boards of Australia and New Zealand; Surveying & Spatial Sciences Institute; and affiliated national and international organisations.

Why study with us?

If you have a passion for solving the environmental problems that face society then our environmental science and management degree is for you. The expanding human population and growing strain on the earth's natural resources have resulted in a number of critical environmental issues.

What you will study

Areas of study include earth systems, ecosystems and biodiversity, marine science, or sustainability.

Practical experience

Fieldwork is a focus of the degree and includes visits to mining areas, national parks, urban developments, major waterways and other 'environmental hot spots' in the region. There are also opportunities to undertake work placement in your final year.

Career opportunities

Examples include research in climate, soil science, water, flora and fauna in agencies such as the CSIRO, the Australian Antarctic Division, the Australian Nuclear Science and Technology Organisation, and universities; environmental management in government regulatory units such as forestry, electricity, water resources, soil conservation and national parks and wildlife; international aid and development projects through international agencies; preparing environmental impact statements for government and other bodies as a private consultant. There are numerous environmental consulting practices both nationally and internationally.

Why study with us?

The western world is moving towards a new era of health problems related to lifestyle and inactivity, while at the same time elite sport enjoys a high profile in the community. Therefore, there is an increasing need for qualified specialists with an understanding of the relationship between exercise and health.

What you will study

Our exercise and sport science degree addresses both sport and health aspects in its comprehensive approach to the study of exercise. First year provides an introduction to exercise and sport science and focuses on general and biological sciences. In second and third year, you will specialise in exercise and sport science and work through a series of specific courses.

Practical experience

Through our professional placement program you can apply for experience with professional sporting teams, sports organisations, clinics and hospitals. Most exercise and sport science courses include laboratory classes where you will learn the practical skills of professionals.

Career opportunities

Examples include work in the sports industry as sport scientists, strength and conditioning coaches, development officers and consultants, and in the health industry as cardiac/respiratory technicians (with further study), education/promotion officers and exercise scientists.

Professional recognition

Exercise Scientist with Exercise and Sports Science Australia (ESSA); Exercise Physiology accreditation with ESSA after completion of a NUCAP-accredited program in exercise physiology.

BACHELOR OF

Fine Art**Faculty of Education and Arts****Duration** Three years full-time**Location** Newcastle – Callaghan**CRICOS** 030184E**Assumed knowledge**

HSC Visual Arts or equivalent.

BACHELOR OF

Food Science and Human Nutrition**Faculty of Science and Information Technology****Duration** Three years full-time**Location** Central Coast – Ourimbah**CRICOS** 055918K**Recommended studies**

HSC Chemistry or Biology or Mathematics, or equivalent.

BACHELOR OF

Industrial Design**Faculty of Engineering and Built Environment****Duration** One year full-time**Location** Newcastle – Callaghan**CRICOS** 061627D**Assumed knowledge**

Advanced Diploma for Product Design and Innovation or approved equivalent.

Why study with us?

Our fine arts degree will help you find your niche and flourish as an artist. Learn to express your ideas using painting, drawing, fibres, ceramics, sculpture, printmaking and photomedia, or combinations of all these. Experiment with new processes, techniques and materials.

What you will study

Areas of study include 2D art (drawing, painting, printmaking), 3D art (ceramics, fibres/textiles, sculpture), photomedia (photography and digital imaging).

Practical experience

The centre of your practical experience happens in our fantastic studios. You will get 'hands-on' with various materials and there is plenty of time for trial and error, and to experiment with new ways of making art.

Career opportunities

Examples include professional artist, arts educator, art critic and writer. Graduates work in a variety of settings, including community arts, galleries and museums and information technology. The knowledge of digital imaging technology gained through this degree is a great asset to future employment in a wide range of professions.

Why study with us?

The specialty areas of food science and human nutrition are developing rapidly as technology becomes even more sophisticated and the demands of an increasingly health-conscious society drive change in the food and health product industries. In response to these developments, research in food science and nutrition encompasses both novel and traditional areas of food, nutrition and biologically active natural products.

What you will study

You will be given a strong background in the principles underlying the sciences of food technology and human nutrition, including the basic sciences, the chemistry and biology of nutrients, and the attributes of foods, including food commodities and functional foods.

Practical experience

You will initiate and test food product concepts in a test kitchen sponsored by Sara Lee Australia. There are also an array of work placement opportunities.

Career opportunities

Examples include professional positions in nutrition and food services and research in universities, nutrition education, community health, quality control and assurance, consumer relations, marketing, management, product development, industry, government regulation and private consultancy.

Professional recognition

Associate Nutritionist (ANutr) – Register of Nutritionists established by the NSA.

Why study with us?

Industrial design is a creative profession that turns bright ideas into reality – virtually every manufactured object in the world is the result of the work of an industrial designer. The Bachelor of Industrial Design will teach you to be an innovative and practical thinker that creates products we cannot live without such as mobile phones, furniture, cars and lighting. With multidimensional skills, you will be able to link technology, management and marketing concepts, and to participate professionally and effectively in design research.

What you will study

There are specialist courses in furniture, styling, human factors and where you are encouraged to explore areas of personal interest and undertake projects in partnership with external manufacturers and mentors.

Career opportunities

Examples include the design of cars, playground equipment, kitchen appliances, sporting equipment, furniture, exhibition and point of purchase displays.

Additional entry requirements*

This program is offered over four years with the first three years at TAFE NSW and the final year at the University of Newcastle. If you successfully complete the four-year program, you will receive the following awards:

- Advanced Diploma in Product Design and Development or Advanced Diploma of Product Design and Innovation
- Bachelor of Industrial Design

H Honours Honours is offered through an additional year of study. To be eligible, you must achieve the required grade point average (GPA).

BACHELOR OF

Information Technology

Faculty of Science and Information Technology

Duration	Three years full-time
Location	Newcastle – Callaghan Central Coast – Ourimbah Singapore
CRICOS	044439E

BACHELOR OF

Information Technology / Business

Faculty of Science and Information Technology

Duration	Four years full-time
Location	Newcastle – Callaghan
CRICOS	072216K

BACHELOR OF

Mathematics

Faculty of Science and Information Technology

Duration	Three years full-time
Location	Newcastle – Callaghan
CRICOS	001608D

Assumed knowledge

HSC Mathematics or equivalent.

Recommended studies

HSC Mathematics Extension 1 or equivalent.

Why study with us?

Information technology (IT) is concerned with the use of technology in managing and processing information, especially in large organisations. The Bachelor of Information Technology provides you with opportunities to develop skills in traditional business uses for IT, as well as in the growing field of digital entertainment.

What you will study

Areas of study include enterprise information technology (EIT), digital media and entertainment (DME), or software development and applications (SDA), or data analysis.

Practical experience

You will work on industry relevant tasks and case studies throughout the degree. You will also complete a compulsory IT project, working with a team in the development, management and implementation of the project with an actual industry partner.

Career opportunities

Examples include software developers, database administrators, animators and effects coordinators, website developers, computer games, graphics and animation developers for movies and TV, development and enhancement of defence and security systems, as well as help desk and network support staff for corporations.

Professional recognition

The Australian Computer Society (ACS).

Why study with us?

The Bachelor of Information Technology/Bachelor of Business combined degree provides you with an opportunity to complete two degrees after just four years of full-time study. This combined degree offered through the Faculty of Science and Information Technology provides hands-on experience through industry relevant tasks and case studies.

What you will study

A major component of the Bachelor of Information Technology/Bachelor of Business degree includes a compulsory IT project completed in partnership with industry leaders. To fulfil the project requirements you will need to employ excellent project management and teamwork skills; both highly valued assets in the workplace.

Practical experience

A major component of the Bachelor of Information Technology/Bachelor of Business degree includes a compulsory IT project completed in partnership with industry leaders. To fulfil the project requirements you will need to employ excellent project management and teamwork skills; both highly valued assets in the workplace.

Career opportunities

As information technology continues to become more important to business, this combined degree will give you the edge with employers as they look for multidisciplinary staff.

Professional recognition

Students who successfully complete the Bachelor Information Technology are eligible to apply for membership to the Australian Computer Society.

Why study with us?

We offer one of the few specialised Bachelor of Mathematics degrees available in Australia. Our leading academics contributed to our University being ranked among the top in the country for applied mathematics in the 2012 Excellence in Research for Australia rankings. Without mathematics, interpreting the real world would not be possible. Mathematics provides the language for sciences and underpins most technological advances that we rely on every day.

What you will study

Areas of study include applied mathematics, pure mathematics, statistics, or studies in mathematics and statistics.

Practical experience

You will have a chance to complement your theoretical studies with tutorials and laboratories that help you apply what you learn to practical situations. Our Access Grid Room is fully equipped with computers, cameras, projectors, microphones and SmartBoards to enable users to connect with other groups in real time without delays.

Career opportunities

Maths and statistics graduates are in high demand in both the public and private sectors and attract some of the highest starting salaries. There are career opportunities in bioinformatics, biotechnology, communications, computer-related enterprises, engineering, insurance, international finance and the futures market, logistics and strategic planning, the mining and energy sectors, management, manufacturing industries, merchant banking, medical and health research.

BACHELOR OF

Medical Radiation Science (Diagnostic Radiography)

Faculty of Health and Medicine

Duration Three years full-time
Location Newcastle – Callaghan
CRICOS 032801B

Assumed knowledge

HSC English and Mathematics or Physics, or equivalent.

BACHELOR OF

Medical Radiation Science (Nuclear Medicine)

Faculty of Health and Medicine

Duration Three years full-time
Location Newcastle – Callaghan
CRICOS 032802A

Assumed knowledge

HSC English and Mathematics or Physics, or equivalent.

BACHELOR OF

Medical Radiation Science (Radiation Therapy)

Faculty of Health and Medicine

Duration Three years full-time
Location Newcastle – Callaghan
CRICOS 032801B

Assumed knowledge

HSC English and Mathematics or Physics, or equivalent.

Why study with us?

Diagnostic radiographers are responsible for performing the most appropriate medical imaging procedure for the presenting condition. As a professional, you will communicate closely with patients and collaborate with a diverse range of health professionals. Accurate imaging is extremely important to both confirm a particular diagnosis and exclude other likely diagnoses. You will become proficient with computers and medical imaging technology including 2D, 3D and 4D.

What you will study

While you study diagnostic radiography, you will develop essential clinical reasoning and patient management skills. You will learn using real case-based examples, integrating learning into real situations, and engaging with other students in team work activities. Graduate with the confidence and competence to undertake professional practice as a diagnostic radiographer.

Practical Experience

Professional placement is integrated throughout the degree and commences in first year. You will complete around 25 weeks of professional practice in metropolitan, regional and rural regions.

Career opportunities

Examples include positions in public and private medical imaging and radiation oncology (cancer care) facilities. Medical radiation science professionals also work in management, research and higher education.

Professional recognition

Australian Institute of Radiography; and the Australian Health Practitioner Regulation Agency (AHPRA).

Why study with us?

Nuclear medicine scientists are medical imaging professionals who are responsible for the preparation and administration of radiopharmaceuticals, performing patient imaging procedures and digitally analysing the images. This degree will see you learn a diverse range of nuclear medicine skills in world-class facilities. Our graduates have an impressive employment history over nearly 20 years and are in demand within Australia and across the world.

What you will study

Your nuclear medicine studies will give you a diverse range of theoretical knowledge and skills. There are many opportunities for you to apply this knowledge and skills in our state-of-the-art radiopharmacy labs located on-campus.

Practical experience

You will complete substantial supervised practice in a variety of settings both locally and nationally in each year of your degree. Some students will have the opportunity to undertake a professional placement in New Zealand and/or the United Kingdom.

Career opportunities

Examples include positions in public and private medical imaging and radiation oncology (cancer care) facilities. Medical radiation science professionals also work in management, research and higher education.

Professional recognition

The Australian and New Zealand Society of Nuclear Medicine; and the Australian Health Practitioner Regulation Agency (AHPRA).

Why study with us?

Radiation therapy is one of the key treatments for patients diagnosed with cancer, integrating patient focused treatment and care with high-end technology. As a radiation therapy student, you will work with sophisticated computer based systems on and off campus and constantly emerging technologies that help image and treat patients. You will participate in researching, testing and implementing new imaging and putting treatment equipment into practice.

What you will study

This degree combines theoretical and scientific knowledge with practical learning. Throughout your studies in medical radiation science you will have access to the latest technologies in radiation therapy including patient treatment labs on-campus.

Practical experience

Professional placement is integrated throughout the degree and commences in first year. You will complete around 25 weeks of professional practice in cancer care hospitals and private centres over the course of the degree. On professional placements, qualified radiation therapists will support and assist your professional development and mentor you.

Career opportunities

Examples include positions in public and private medical imaging and radiation oncology (cancer care) facilities. Medical radiation science professionals also work in management, research and higher education.

Professional recognition

The Australian Institute of Radiography; the Australian Health Practitioner Regulation Agency (AHPRA).

BACHELOR OF
Music**Faculty of Education and Arts**

Duration	Three years full-time
Location	Newcastle – Callaghan
CRICOS	002546E

Assumed knowledge

Grade 6-8 AMEB or equivalent, or portfolio.

Recommended studies

HSC Music 1 or 2 or equivalent.

BACHELOR OF
Music / Arts**Faculty of Education and Arts**

Duration	Four years full-time
Location	Newcastle – Callaghan
CRICOS	027441G

Why study with us?

If you've been performing or creating music, then studying our music degree is an excellent way to continue your studies and prepare for a career as a professional musician or in a music-related field. The degree allows you to refine your talent through high quality training and the use of state-of-the-art facilities at our Conservatorium. You will develop the practical and creative skills you need to pursue a musical career at a professional standard.

What you will study

Areas of study include principal studies in composition, creative production, musicology, performance (instrument, voice), and music in the creative industries.

Practical experience

You will have the opportunity to hone your skills through regular performances and participation in activities within and external to the Conservatorium.

Career opportunities

Examples include freelance musician, professional orchestral player, music producer in recording or mixing, musical arranger, composer, musical instrument maker or repairer, music publishing, conductor, musical director, DJ, studio teacher, music editor, member of an opera company, recording session musician, community or private music teacher, university lecturer, member of a Defence Forces band, computer music maker, music journalist, or music researcher.

Additional entry requirements

Submission of a DVD containing 3 pieces of work with applicant performing.

Why study with us?

A combined degree offers greater breadth of learning, enhancing the academic and professional qualities gained in each separate degree. At the same time, it recognises the increasing need for students to graduate with multidisciplinary skills. When you study the combined Bachelor of Music/Bachelor of Arts degree at the University of Newcastle you can pursue your passion for music and arts and complete two qualifications over four years of full-time study.

What you will study

The flexibility of this combined music/arts degree allows you to study areas that present the best challenges, the most interest and the greatest enjoyment. You will have the opportunity to acquire the skills of analysis, research and logic: the skills which form the basis for any successful career. You will also acquire specialised skills in music and have the opportunity to develop your performance experience to a professional standard.

Practical experience

When you study the Bachelor of Music at the University of Newcastle you will have the opportunity to hone your skills through regular performances and participation in activities within and external to the Conservatorium.

Career opportunities

You will be well placed to pursue a range of careers including: Community or private music teacher, composer, freelance musician, music producer in recording or mixing, musical director, professional orchestra player. Depending upon your chosen major study, you may also choose to build a career in business, government, management and administration, public relations, human resource management, marketing and teaching.

BACHELOR OF

**Natural History
Illustration****Faculty of Science and Information
Technology**

Duration	Three years full-time
Location	Newcastle – Callaghan
CRICOS	059878C

Recommended studies

HSC Visual Arts and or Textiles and Design and or Design and Technology and or Senior Science and or Biology and or Geography, or equivalent.

Why study with us?

If you have a love of drawing, are fascinated by the natural world and admire professional illustrators who can bring life to an object, then the Bachelor of Natural History Illustration is for you. This degree is highly specialised and is the only one of its kind available in Australia – and one of only a few offered internationally.

What you will study

When you study the natural history illustration degree, your lectures and tutorials will combine field observations and data collection with studies in our studio where you will learn traditional and digital illustration techniques plus specialised laboratory applications.

Practical experience

The Bachelor of Natural History Illustration is mostly taught through studio studies and field trips. This practical approach will help you prepare for a career in areas such as medical illustration, archaeology and environmental conservation.

You will also be building up your own illustration portfolio throughout the degree and creating a body of work that could help you gain employment after you graduate.

Career opportunities

Examples include in the publishing, display, education or exhibition fields; scientific institutions and educational institutions; libraries; galleries; museums; at archaeological or fossil sites; botanic gardens or for anthropologists, scientists and taxonomists.



BACHELOR OF
Nursing

Faculty of Health and Medicine

Duration Three years full-time
Location Newcastle – Callaghan
Central Coast – Ourimbah
Port Macquarie
CRICOS 072609D

Assumed knowledge
HSC English, General Mathematics,
Biology and/or Chemistry, or equivalent.

BACHELOR OF
**Nutrition and
Dietetics
(Honours)**

Faculty of Health and Medicine

Duration Four years full-time
Location Newcastle – Callaghan
CRICOS 001131C

Recommended studies
HSC Chemistry or equivalent.

BACHELOR OF
**Occupational
Therapy
(Honours)**

Faculty of Health and Medicine

Duration Four years full-time
Location Newcastle – Callaghan
**CRICOS
Code** 032801B

Recommended studies
HSC Biology and Mathematics or
equivalent.

Why study with us?

If you have a passion for caring for people and are interested in fulfilling a diverse range of roles in a health environment, then our nursing degree is for you. Nurses are critical in any health care system or facility and they provide care and education across a number of areas within the industry. Graduate with the skills and knowledge needed to succeed into a challenging and rewarding career.

What you will study

You will have the opportunity to study a wide range of courses including nursing theory and practice in primary, secondary and tertiary nursing, aged care, mental health and human bioscience.

Practical experience

The degree includes laboratory simulation activities and 800 hours of clinically based experience in a range of clinical facilities including medical-surgical, acute care, mental health, community, and aged-care facilities.

Career opportunities

Examples include registered nurse in public and private healthcare facilities in areas such as medical, surgical, perioperative, mental health, aged care, palliative care, paediatric, accident and emergency, forensic, women's health, developmental disability and many others. Graduates can also take up a career as a commissioned officer in the armed services.

Professional recognition

The Australian Nursing and Midwifery Accreditation Council (ANMAC); and the Australian Health Practitioner Regulation Agency (AHPRA).

Why study with us?

If you are interested in nutrition and health, enjoy communicating with people and have an aptitude for science, an exciting future lies ahead when you become an accredited practicing dietitian or researcher. You will learn the art of applying the science of human nutrition to help people understand the food and health relationships in their life. You will have the ability to contribute to the health of populations and the sustainability of the environment.

What you will study

You will gain problem-solving and communication skills with studies in food, nutrition and dietetics, basic and applied sciences, social sciences and professional practice.

Practical experience

You will complete substantial supervised practice in a variety of settings both locally and within NSW, including rural placements.

Career opportunities

Examples include dietitians in public and private hospitals, community health centres, nursing homes, the food industry and private practice. Clinical dietitians focus on the nutritional needs of individuals. Community and public health dietitians and nutritionists work in multidisciplinary teams focusing on the assessment of community nutrition needs, health promotion and the development of nutrition policies and education programs. Food service managers are based in hospitals, nursing homes and private practice and need special skills in quantity food production, food delivery systems and management.

Professional recognition

The Dietitians Association of Australia.

Why study with us?

If you're a good communicator, with an interest in helping people who have a restriction in their daily occupational functions, then you have an exciting career ahead of you in occupational therapy. Occupational therapy is a broad thinking profession focusing on daily occupational needs or the things people do or want to do in their usual everyday life.

What you will study

Areas of study include: anatomy and physiology, biomedical, behavioural and occupational sciences and therapy, mental health, psychology, sociology and community development.

Practical experience

You will complete substantial supervised practice in a variety of settings, both locally and nationally, as part of the degree. Rural placements are mandatory.

Career opportunities

Examples include occupational therapist in general hospitals, rehabilitation centres, supported employment services, mental health services, schools and specialised services.

Professional recognition

The Occupational Therapy Council of Australia; and the Australian Health Practitioner Regulation Agency (AHPRA).

For videos,
information and
how to apply visit:

**newcastle.edu.au
/international**

H Honours Honours is offered through an additional year of study. To be eligible, you must achieve the required grade point average (GPA).

BACHELOR OF

Oral Health Therapy

Faculty of Health and Medicine

Duration Three years full-time

Location Central Coast – Ourimbah

CRICOS Code 084069F

Recommended studies

HSC Chemistry and Biology or equivalent.

BACHELOR OF

Pharmacy (Honours)

Faculty of Health and Medicine

Duration Four years full-time

Location Newcastle – Callaghan

CRICOS Code 079931D

Assumed knowledge

HSC Extension Mathematics (extension 1 or 2) at any level of achievement or Mathematics (Band 5 or 6), or equivalent. HSC English Advanced, Chemistry and Physics, or equivalent.

BACHELOR OF

Physiotherapy (Honours)

Faculty of Health and Medicine

Duration Four years full-time

Location Newcastle – Callaghan

CRICOS Code 039298M

Assumed knowledge

HSC Chemistry, Advanced English and either Physics or Biology, or equivalent.

Why study with us?

If you have a passion for public health, a commitment to educating the community and the ability to work as part of a team, oral health is a truly rewarding career. The Bachelor of Oral Health Therapy is aimed at developing and combining scientific knowledge and clinical skills, with plenty of opportunities for hands-on experience throughout your degree.

What you will study

You will provide preventative and simple restorative treatment to individuals, mindful of the dynamics between oral health and general health. Using an evidence-based approach, you will acquire the skills required to undertake oral health research and communicate the outcomes of this research to a wide range of audiences.

Practical experience

Students will complete approximately 500 hours of supervised practice in a variety of settings, both locally and nationally, as part of their program.

Career opportunities

Examples include dental hygienist, oral health therapist and oral health promoter in a range of clinical settings.

Professional recognition

The Australian Dental Council and the Dental Board of Australia. Graduates will be eligible to apply for registration with the Australian Health Practitioner Regulation Agency (AHPRA).

Why study with us?

Our pharmacy degree will provide you with the theoretical knowledge, practical experience and attributes to drive clinical leadership in health care while also providing a framework to influence the management of pharmaceutical services in Australia and globally. You will be equipped to provide a vital primary health care role as you counsel people on the best use and management of medications, provide advice on the symptoms and management of common ailments, prepare and formulate medications and educate the community on a wide range of health and well-being matters.

What you will study

You will develop an extensive knowledge of the essential underpinning sciences, pharmacotherapeutics and pharmaceutical sciences. You will build practical skills through inter-professional simulated learning activities in our fully functioning demonstration pharmacy, hospital based simulation wards and the Hunter New England Simulation Centre.

Practical experience

Clinical placements start in first year and continue throughout your degree, providing you with substantial clinical experience in a variety of settings both locally and nationally. You will gain clinical experience in a variety of health settings, which may include community facilities, hospitals, rural pharmacies, and aged care facilities.

Career opportunities

Access diverse and exciting employment opportunities in the community, hospital, industry and government sectors.

Professional recognition

The Australian Pharmacy Council; and the Australian Health Practitioner Agency (AHPRA).

Why study with us?

Our Physiotherapy degree combines biomedical and behavioural sciences with essential physiotherapy skills for a career as a physiotherapist. You will utilise the latest physiotherapy equipment in specialist laboratories and will graduate with the up-to-date skills related to emerging, evidence based technologies.

What you will study

You will study professional physiotherapy knowledge and skills and learn how it relates to relevant biomedical and behavioural sciences. A case-based learning approach and innovative educational strategies are used to integrate the clinical and basic sciences.

Practical experience

You will complete substantial supervised clinical practice in a variety of settings, both locally and nationally, as part of the program. Rural placements and placements distant from the local region are mandatory.

Career opportunities

Examples include physiotherapist in a variety of urban and rural health settings, including private practice, general hospitals, rehabilitation and community health centres, sports medicine clinics, research centres and consultancies.

Professional recognition

The Australian Physiotherapy Council; and the Australian Health Practitioner Regulation Agency (AHPRA).

* Program subject to accreditation from the Australian Medical Council.

BACHELOR OF

Podiatry

Faculty of Health and Medicine

Duration Three years full-time**Location** Central Coast – Ourimbah**CRICOS Code** 058964B**Assumed knowledge**

HSC Chemistry, Mathematics and Physics, or equivalent.

BACHELOR OF

**Psychology
(Honours)**

Faculty of Science and Information Technology

Duration Four years full-time**Location** Newcastle – Callaghan
Central Coast – Ourimbah**CRICOS Code** 039305F**Assumed knowledge**

HSC Mathematics or equivalent.

Recommended studies

HSC Biology or equivalent.

BACHELOR OF

Science

Faculty of Science and Information Technology

Duration Three years full-time**Location** Newcastle – Callaghan
Central Coast – Ourimbah**CRICOS Code** 001609C**Assumed knowledge**

HSC Mathematics or equivalent.

Recommended studies

HSC Biology and or Chemistry and or Physics, or equivalent depending on the major you wish to complete.

Why study with us?

Podiatrists have a broad and interesting job caring for feet. Podiatrists are an integral part of the health care system in public and private sectors. Podiatry is an exciting profession that offers the opportunity to support and assist the wellbeing of many members of the community. Our podiatry degree places a great emphasis on practical experience, giving you the knowledge and practical skills needed to work in podiatry.

What you will study

The Bachelor of Podiatry involves extensive study of anatomy, physiology, biomechanics and podiatric theory.

Practical experience

You will complete over 1,000 hours of supervised clinical experience in a variety of settings locally and nationally in rural and regional areas, giving you both the knowledge and practical skills needed for working in podiatry.

Career opportunities

Examples include podiatrists in a variety of urban and rural health settings, including private and public practices, general hospitals, rehabilitation and community health centres, sports clinics, research centres and consultancies. With additional training there is opportunity to specialise in the area of podiatric surgery.

Professional recognition

The Australian and New Zealand Podiatry Accreditation Council; and the Australian Health Practitioner Regulation Agency (AHPRA).

Why study with us?

Psychology is a fascinating area of science that attempts to examine the cause of human behaviour and use this understanding to solve practical problems. Psychology is growing in popularity and is predicted to be one of the industries in Australia that will experience the most job growth over the next five years by the Department of Education, Employment and Workplace Relations.

What you will study

Psychology is the scientific study of human behaviour that helps us understand the way we act and why. You will cover a broad range of areas within psychology such as memory, decision-making, and developmental studies. Biology and statistics courses are also included which are fundamental to understanding psychology.

Practical experience

This degree includes a pre-professional strand of courses each year, which will help you prepare for professional practice. These courses involve guest lectures from practicing psychologists, problem-based workshops and video material to provide an accurate picture of the range of areas within psychology.

Career opportunities

Examples include counsellor, research assistant, human resource consultant, market researcher, employment officer, community development worker and a psychologist.

Professional recognition

Psychology Board of Australia; and Associate Membership of the Australian Psychological Society (APS).

Why study with us?

The immense field of science underpins areas such as technology, industry, business, agriculture, environment, research, health and the information revolution. We recognised nationally and internationally for excellence in scientific research. In 2012 Excellence in Research for Australia ranked the University of Newcastle equivalent to world-class standard and above in seven of our science disciplines.

What you will study

Newcastle campus majors: biological sciences, chemistry, earth sciences, geography, photonics, physics, psychology, mathematics (co-major) and statistics (co-major). Central Coast campus majors: marine science, psychology and sustainable resource management.

Practical experience

You will gain hands-on experience in a specialist area in addition to the more general teamwork, analytical, research and communication skills needed to be "a scientist". As you progress, lab work becomes more complex and advanced. By third year, in most majors, you will have the opportunity to take individual research or industry placement.

Career opportunities

Graduates have excellent employment prospects and can earn well over the average. The current national and international shortage of scientists is driving strong salaries growth, with particularly high demand in areas such as geosciences, environmental chemistry, materials science and energy science.

Professional recognition

Relevant professional organisation in chemistry, mathematics, photonics or physics.

H Honours Honours is offered through an additional year of study. To be eligible, you must achieve the required grade point average (GPA).

BACHELOR OF

**Science / Laws
(Honours)****Faculty of Science and Information
Technology****Duration** Five years full-time**Location** Newcastle – Callaghan**CRICOS** 023101E

BACHELOR OF

Social Science**Faculty of Education and Arts****Duration** Three years full-time**Location** Newcastle – Callaghan
Central Coast – Ourimbah**CRICOS** 014637C**Recommended studies**HSC English (Advanced) or equivalent.
For psychology: HSC Mathematics or
equivalent.

BACHELOR OF

**Social Science
/ Laws (Honours)****Faculty of Science and Information
Technology****Duration** Five years full-time**Location** Newcastle – Callaghan**CRICOS** 043947D**Why study with us?**

The Bachelor of Laws (Honours) is your passport to a career as a lawyer or a range of other related professions. The University of Newcastle law degree has a strong focus on real-world experience, allowing students to build practical skills such as client interviewing, mooting and courtroom practice through the University of Newcastle Legal Centre.

What you will study

You will graduate with skills and experience in: Advanced research; Advocacy; Analytical problem solving; High level task management; Negotiation; Strong oral and written communication. With several majors to choose from within the Bachelor of Science, you can use this area of specialisation to shape either your career in law or science.

Practical experience

If enrolled in the LLB (Practice) Program, you will undertake at least 360 hours of legal professional placement with legal practitioners, and simulated exercises, in each of your two final years.

Career opportunities

You will be able to apply your scientific knowledge to a range of legal contexts including industry, agriculture, climate change law and forensics.

Professional recognition

Students completing this combined degree meet the academic requirement to practise law in NSW. The Newcastle Law School is the only Law School in New South Wales where upon completion of your studies you can be a certified practicing Lawyer, saving you time and money by not having to sit the bar exams.

Why study with us?

Our Social Science degree will see you studying the fascinating science of people. It's your opportunity to analyse, challenge and gain insight into theories about life cycle, gender, class, race, work, social justice and social organisation.

What you will study

Areas of study include Aboriginal studies, community welfare and human services, history, human geography and the environment, human resource management and industrial relations, leisure and tourism management, linguistics, politics and international relations, psychology studies, sociology and anthropology.

Practical experience

The Bachelor of Social Science offers flexibility and choice and a combination of pure and applied research.

Career opportunities

Examples include administration within Local, State and Federal government bodies and non-government organisations; research in organisations undertaking social research; welfare work; community development and, with further qualification, teaching.

Why study with us?

The University of Newcastle law degree has a strong focus on real-world experience, allowing students to build practical skills such as client interviewing, mooting and courtroom practice through the University of Newcastle Legal Centre.

What you will study

You will graduate with skills and experience in: Advanced research; Advocacy; Analytical problem solving; High level task management; Negotiation; Strong oral and written communication.

Practical experience

If enrolled in the LLB (Practice) Program, you will undertake at least 360 hours of legal professional placement with legal practitioners, and simulated exercises, in each of your two final years.

Career opportunities

In your last two years of your combined law degree you can choose to study our LLB (Practice) Program gaining you a Diploma of Legal Practice and enabling you to be admitted as a lawyer in Australia. The Bachelor of Social Science/Bachelor of Laws is ideal if you are interested in working in a career in social justice, anti-discrimination and human rights.

Professional recognition

Students completing this combined degree meet the academic requirement to practise law in NSW. The Newcastle Law School is the only Law School in New South Wales where upon completion of your studies you can be a certified practicing Lawyer, saving you time and money by not having to sit the bar exams.

BACHELOR OF

Social Work (Honours)

Faculty of Education and Arts

Duration Four years full-time**Location** Newcastle – Callaghan**CRICOS** 027437D

Recommended studies

HSC Mathematics or equivalent.

BACHELOR OF

Speech Pathology (Honours)

Faculty of Education and Arts

Duration Four years full-time**Location** Newcastle – Callaghan**CRICOS Code** 029748F

Recommended studies

HSC Biology, Chemistry, Mathematics, Advanced English, or equivalent.

BACHELOR OF

Teaching (Primary) (Honours)

Faculty of Education and Arts

Duration Four years full-time**Location** Newcastle – Callaghan
Central Coast – Ourimbah**CRICOS** 084161K

Recommended studies

HSC English and Mathematics, or equivalent.

Why study with us?

Our Bachelor of Social Work (Honours) degree is experience-based and will prepare you for a professional career as a social worker. Social workers are concerned with personal and social relationships between individuals, families, groups, organisations and communities. They work to relieve distress, redress inequalities and promote social justice. You will participate in processes of social change that tackle structural disadvantage and create opportunities for people to achieve their own goals.

What you will study

The Bachelor of Social Work (Honours) integrates theory, practice and social work values within the study framework.

Practical experience

Two placements of 70 days each supervised field education placements are undertaken through the degree in Years 3 and 4.

Career opportunities

Examples include professional social work in a wide range of government and non-government agencies such as welfare and charitable organisations, hospitals, health centres, social security and welfare departments, probation and parole services and local government. Social workers are also employed as policy makers in government organisations and specialise in fields such as youth welfare, aged care and mental health.

Professional recognition

Australian Association of Social Workers.

Why study with us?

The Bachelor of Speech Pathology (Honours) is a highly specialised degree that equips you with the knowledge and practical skills you need to pursue a career as a professional speech pathologist. Speech pathologists are allied health professionals responsible for the assessment and treatment of children and adults with communication and swallowing disorders, for example, delayed speech and language development, cleft lip and palate, voice disorders and stuttering.

What you will study

Areas of study include speech pathology, linguistics and psychology.

Practical experience

You will complete over 20 weeks of clinical experience during the degree. This clinical experience is spread over all four years and is organised to take place during semester and in the semester breaks. It occurs in metropolitan, local regional and rural settings on a one-day per week or block placement. Some international placement experiences are also available.

Career opportunities

Examples include Speech Pathologist in hospitals, community health centres, schools or private practice.

Professional recognition

Speech Pathology Association of Australia and is recognised in NZ, Canada, the United Kingdom and the USA.

Why study with us?

Our School of Education is the largest provider of on-campus initial teacher education in Australia. The Bachelor of Teaching (Primary) (Honours) is committed to developing graduates who have the knowledge, skills and dispositions necessary for a highly successful career in primary teaching.

What you will study

You will combine the study of primary teaching with a depth study area (Aboriginal and Indigenous Studies, Creative Arts, Teaching English as an additional Language or Dialect, Languages and Cultural Studies, Health and Physical Education, Religious Education, Engaging through Science and Maths, Global Education and Sustainable Communities, Digital Technology and Teaching the Digital Generation). As a primary teaching student, you may elect to undertake the special education specialisation in fourth year, or an honours pathway.

Practical experience

You will complete the equivalent of 80 days of professional experience in relevant school settings.

Career opportunities

Examples include Primary School teaching (K-6) with the Board of Studies, Teaching and Educational Standards (BOSTES), Catholic Education and Independent School Systems; and in public and private school sectors both nationally and internationally. The degree provides additional career prospects outside the teaching profession to graduates in their chosen study area.

Professional recognition

Graduates will be eligible for registration with the Board of Studies, Teaching and Educational Standards (BOSTES).

H Honours Honours is offered through an additional year of study. To be eligible, you must achieve the required grade point average (GPA).

BACHELOR OF

Teaching (Early Childhood and Primary) (Honours)

Faculty of Education and Arts

Duration Four years full-time**Location** Newcastle – Callaghan
Central Coast – Ourimbah**CRICOS** 084156G**Assumed knowledge**HSC Mathematics (Band 4 or higher),
English (Band 4 or higher), or equivalent.**Recommended studies**HSC English and Mathematics, or
equivalent.

BACHELOR OF

Teaching (Humanities) (Honours)

Faculty of Education and Arts

Duration Four years full-time**Location** Newcastle – Callaghan
Central Coast – Ourimbah**CRICOS** 084159D**Assumed knowledge**HSC English (Band 4 or higher) or
equivalent.**Recommended studies**HSC study in the area of your preferred
teaching specialisation, or equivalent.

BACHELOR OF

Teaching (Fine Art) (Honours)

Faculty of Education and Arts

Duration Four years full-time**Location** Newcastle – Callaghan**CRICOS** 0814157F**Assumed knowledge**HSC English (Band 4 or above) or
equivalent.**Recommended studies**

HSC Visual Arts or equivalent.

Why study with us?

The early years of any child's life are crucial to their later development – emotionally, educationally and physically. As an early childhood teacher you will enjoy a truly rewarding professional career where you can really make a difference. Our teaching (early childhood/primary) degree creates graduates with the knowledge, skills and dispositions necessary for a highly successful career in early childhood and primary teaching.

What you will study

Areas of study include early childhood teaching and primary school teaching.

Practical experience

You will complete the equivalent of 80 days of professional experience in relevant educational settings (40 days in Primary Schools and 50 days in birth – five year old settings).

Career opportunities

Examples include working with children from birth to 12 years in a variety of settings, including childcare centres, outside school hours care, preschools and primary schools.

Professional recognition

Graduates will be eligible for registration with the Board of Studies, Teaching and Educational Standards (BOSTES) and NSW Department of Family and Community Services.

For videos,
information and
how to apply visit:

[newcastle.edu.au
/international](http://newcastle.edu.au/international)

Why study with us?

If you have a real commitment to helping young people get the most out of their education, a passion for learning and a good sense of humour, then you will find secondary teaching a truly rewarding career where you can make a difference. Our Bachelor of Teaching (Humanities) (Honours) aims to develop the knowledge, skills and dispositions necessary for a highly successful career in teaching.

What you will study

You will combine the study of secondary teaching with a major and minor discipline area chosen from Aboriginal studies, ancient history, business (with legal studies), drama, economics, English, French language, geography, German language, Japanese language, modern history, society and culture, and studies of religion. You may elect to undertake the special education specialisation in the fourth year of the degree or the embedded Honours program.

Practical experience

You will complete the equivalent of 80 days of professional experience in relevant school settings.

Career opportunities

Examples include Secondary School teaching (Year 7-12) with the Board of Studies, Teaching and Educational Standards (BOSTES), Catholic Education and Independent School Systems; and in public and private school sectors both nationally and internationally. The degree provides additional career prospects outside the teaching profession due to the depth of the discipline(s) study undertaken.

Professional recognition

Graduates will be eligible for registration with the Board of Studies, Teaching and Educational Standards (BOSTES).

Why study with us?

A good teacher can have a profound effect on a young person's outlook on education, their career aspirations and life. Our Bachelor of Teaching (Fine Art) (Honours) aims to develop the knowledge, skills and dispositions necessary for a highly successful career in teaching.

What you will study

Areas of study include secondary teaching, practical and theoretical studies in visual arts. Electives available include: 2D, 3D, photomedia, video and visual communication, drama or history (as a second teaching area) may be substituted for electives. You may apply to undertake the special education specialisation in the fourth year of the degree or Honours (conditions apply).

Practical experience

You will complete the equivalent of 80 days of professional experience in relevant school settings.

Career opportunities

Examples include Secondary School Visual Art teaching (Year 7-12) with the Board of Studies, Teaching and Educational Standards (BOSTES), Catholic Education and Independent School Systems; and in public and private school sectors both nationally and internationally. The degree provides additional career prospects outside the teaching profession such as: art or design practitioner, art education officer in community venues, youth leader, small business operative, gallery or museum educator.

Professional recognition

Graduates will be eligible for registration with the Board of Studies, Teaching and Educational Standards (BOSTES).

BACHELOR OF

Teaching (Health and Physical Education) (Honours)

Faculty of Education and Arts

Duration Four years full-time**Location** Newcastle – Callaghan**CRICOS** 084158E**Assumed knowledge**

HSC English (Band 4 or higher) or equivalent.

Recommended studies

HSC PDHPE or equivalent.

BACHELOR OF

Teaching (Mathematics) (Honours)

Faculty of Education and Arts

Duration Four years full-time**Location** Newcastle – Callaghan**CRICOS** 084160M**Assumed knowledge**

HSC Mathematics, English (Band 4 or higher), or equivalent.

Recommended studies

HSC Mathematics Extension 1 or 2 or equivalent.

BACHELOR OF

Teaching (Science) (Honours)

Faculty of Education and Arts

Duration Four years full-time**Location** Newcastle – Callaghan**CRICOS** 084162J**Assumed knowledge**

HSC English (Band 4 or above) or equivalent.

Recommended studies

Any two units of English and Science.

Why study with us?

Health and physical education teachers have a vital role to play in helping students develop the knowledge, skills, values and attitudes to lead healthy lifestyles. Our Bachelor of Teaching (Health and Physical Education) (Honours) develops graduates who have the knowledge, skills and dispositions necessary for a highly successful career in health and physical education.

What you will study

Areas of study include secondary teaching, personal development and health and physical education. You may elect to undertake the special education specialisation in the fourth year of the degree.

Practical experience

You will complete the equivalent of 80 days of professional experience in relevant school settings.

Career opportunities

Examples include Secondary School teaching of Personal Development, Health and Physical Education (Year 7-12) with the Board of Studies, Teaching and Educational Standards (BOSTES), Catholic Education and Independent School Systems; and in public and private school sectors both nationally and internationally. The degree provides additional career prospects outside the teaching profession such as: sport and recreation camps, sports development officer, fitness consultant, professional sports coach, health promotion officers and exercise science consultant.

Professional recognition

Graduates will be eligible for registration with the Board of Studies, Teaching and Educational Standards (BOSTES).

Why study with us?

There is significant demand for skilled maths teachers across the education sector. Our Bachelor of Teaching (Mathematics) (Honours) develops graduates who have the knowledge, skills and dispositions necessary for a highly successful career in teaching. We develop inspirational teachers with the capability to act professionally, ethically and effectively in their secondary school destinations.

What you will study

Areas of study include secondary teaching and mathematics. You may elect to undertake the special education specialisation in the fourth year of the degree.

Practical experience

You will complete the equivalent of 80 days of professional experience in relevant school settings.

Career opportunities

Examples include secondary school teaching of Mathematics (Year 7-12) with the Board of Studies, Teaching and Educational Standards (BOSTES), Catholic Education and Independent School Systems; and in public and private school sectors both nationally and internationally. The degree provides additional career prospects outside the teaching profession such as: research, management, bioinformatics, computer-related enterprises, logistics and strategic planning, the mining and energy sectors.

Professional recognition

Graduates will be eligible for registration with the Board of Studies, Teaching and Educational Standards (BOSTES).

Why study with us?

Science teachers are in high demand across the education sector. Our Bachelor of Teaching (Science) (Honours) produces highly skilled and knowledgeable educators that guide students through a set of related processes for observing, experimenting, describing, classifying and analysing phenomena. Graduate with the knowledge, skills and disposition necessary for a highly successful career in teaching.

What you will study

Areas of study include secondary teaching in sciences (two of biology, chemistry, geology or physics, provided physics or chemistry is undertaken as either a major or minor study).

Practical experience

You will complete the equivalent of 80 days of professional experience in relevant school settings. This may involve placement in schools in locations outside the Newcastle area.

Career opportunities

Examples include secondary school teaching of Science (Year 7-12) with the Board of Studies, Teaching and Educational Standards (BOSTES), Catholic Education and Independent School Systems; and in public and private school sectors both nationally and internationally. The degree provides additional career prospects outside the teaching profession such as: geological surveys, water quality, drug discovery, ecology, plant science, geophysics and photonics.

Professional recognition

Graduates will be eligible for registration with the Board of Studies, Teaching and Educational Standards (BOSTES).

H Honours Honours is offered through an additional year of study. To be eligible, you must achieve the required grade point average (GPA).

BACHELOR OF

Teaching (Technology) (Honours)

Faculty of Education and Arts

Duration Four years full-time

Location Newcastle – Callaghan

CRICOS 084163G

Assumed knowledge

HSC English (Band 4 or higher) or equivalent.

Recommended studies

Any two units of English and Science.

H

BACHELOR OF

Theology

Faculty of Education and Arts

Duration Three years full-time

Location Newcastle – Callaghan
Distance

CRICOS 060220B

Why study with us?

Technology teachers encourage students to design, make and evaluate products and systems, learn about innovation, study a range of technological applications and explore the impact of technology on society and the environment. If you are passionate about current and emerging technologies and feel inspired to share your knowledge, then a combined degree in secondary teaching and technology will lead you to a rewarding teaching career.

What you will study

Areas of study include secondary teaching in technology, either design technology or computing technology.

Practical experience

You will complete the equivalent of 80 days of professional experience in relevant school settings. This may involve placement in schools in locations outside the Newcastle area.

Career opportunities

Examples include secondary school teaching of Technology (Year 7-12) with the Board of Studies, Teaching and Educational Standards (BOSTES), Catholic Education and Independent School Systems; and in public and private school sectors both nationally and internationally.

Professional recognition

Graduates will be eligible for registration with the Board of Studies, Teaching and Educational Standards (BOSTES).

Why study with us?

Religions play a key role in our world. They inspire people to act with tremendous kindness, as well as to commit atrocious violence. This ambivalence demands scholarly attention. Our Bachelor of Theology provides an opportunity to deepen your understanding of religious traditions and their impact upon the societies in which we live today.

What you will study

Theology studies the beliefs and practices of the major world religions. It investigates their ethics, politics, history, sacred scriptures and doctrines.

Practical experience

As a theology student, you will complete at least one Work Integrated Learning course within your degree for valuable real-world experience.

Career opportunities

Examples include: teaching and education, public service administration, religious ministry, community and welfare, media and publishing, as well as political advisory work.

BACHELOR OF

Visual Communication Design

Faculty of Science and Information
Technology

Duration Three years full-time

Location Newcastle – Callaghan

CRICOS 059024E

Assumed knowledge

HSC Visual Arts or Textiles and Design, and/or Design and Technology, and/or Industrial Technology, or equivalent.

Why study with us?

Our visual communication degree will see you engage with experts within the field of graphic design and use advanced equipment while learning the needs of businesses, professions and the creative industries. Mass media, the internet, film and television, advertising, publishing and industry all need promotional material sourced from the creative skills of a designer.

What you will study

Areas of study include: advertising design; animation and moving graphics; design as a business; design for information and print; design history, thinking, theory and research methods; graphic design for games; illustration and visualisation; information and digital multi-platform design; photography and imaging; and web multimedia.

Practical experience

You will have the opportunity to participate in external projects with industry and regional bodies. In final year, choose to do an industry placement or an on-campus project, and produce a high-standard portfolio.

Career opportunities

Examples include positions in advertising agencies, public relations firms, design consultancies, government and business promotion departments, corporate sales and training departments, desktop publishing, web design, printing companies, packaging companies, manufacturers, promotion departments, publishers for books or magazines, and self-employed/freelance work.

Professional recognition

Australian Graphic Design Association; Design Institute of Australia; and/or the Illustrators Institute.



INTERNATIONAL APPLICATION FORM



THE UNIVERSITY OF
NEWCASTLE
AUSTRALIA

THIS FORM IS FOR INTERNATIONAL STUDENTS ONLY

This application will not be processed unless all information has been provided.
PLEASE PRINT CLEARLY.

It is recommended you submit your application a minimum of 12 weeks before your intended Semester or Trimester start date. Late applications may be considered for next available intake.

Please check if your program has a specific closing date at www.newcastle.edu.au/degrees

Agent/Representative's
Stamp and Address

If you choose to apply through an education agent, you should ensure that your agent is contracted to the University of Newcastle to avoid delays with your application. For a list of contracted education agents in your country visit www.newcastle.edu.au/international/uon-in-your-country/education-agents

Have you previously applied to the University of Newcastle?

No Yes Student ID Number

I am applying for: Undergraduate Study Postgraduate Study

SECTION ONE – PERSONAL DATA

1. Personal details, as in passport

Title (Dr, Mr, Miss, Mrs, Ms etc.)

First/Given Name

Other Name(s)

Family Name

Previous Family Name

Date of Birth Female Male

2. Contact details Home Address

Number and Street

Suburb/Town/City State

Country Postal/Zip

Phone

Country code Area code

Mobile/Cell/Handphone Number

Phone

Country code Area code

Home Number

Email Address

3. Citizenship and Visa Details

Country of birth
Please Specify

Country of citizenship
Please Specify

Do you hold a current student visa? No Yes Visa type Expiry Date

6. Education

Please attach certified copies and official translations of academic transcripts and completion certificates (if applicable).
www.newcastle.edu.au/international/study-with-us/how-to-apply for information on who can certify your documents.

Level of Study	Name of Qualification/ Program	School or Institution	Country	Years Attended		Qualification completed (Yes/No/Intend to complete)
				From (Month/Year)	To (Month/Year)	
High School						
Diploma/TAFE						
Undergraduate						
Postgraduate						
Other						

7. Credit

To be considered for credit or advanced standing you need to supply the program outline; subject outlines; method(s) of assessment; contact hours; duration of the program; and a full list of the text books used. All program course and subject information should be from official educational institution publications and handouts.

Do you wish to apply for credit or advanced standing? Yes No

Please note that credit cannot be granted towards Master programs on the basis of Bachelor degree studies.

8. Employment history (attach a more detailed statement if applicable) for specific Postgraduate applications only.

Please submit a CV and certified copies of your work references.

Name of company	Country where employed	Years of service		Position held and brief description of responsibilities
		From	To	

9. Disabilities

The information provided below will assist the University in monitoring and improving services to assist students with special needs.

Do you have a disability or long-term medical condition which may affect your studies? Yes No

If Yes, please indicate the type of disability that applies:

Hearing Vision Learning Medical Mobility Other

Do you require Support Services? Yes No

If Yes, please indicate the type of support services you require:

SECTION THREE – CHECKLIST

Important checklist to ensure a quick response to your application.

Complete all sections of this application.

- Ensure you attach certified copies of all previous qualifications including award certificates (if applicable), and academic transcripts with grading systems' descriptions. Qualifications and transcripts **must** be certified by a University of Newcastle representative or agent, a Notary Public, Commissioner for Declarations, Justice of the Peace or Academic Registrar of the institute which issued the transcript. Where qualifications have been obtained under a different name, evidence of change of name must be provided (ie Marriage Certificate)
- If your academic transcripts are in a language other than English, enclose **certified English translations**.
- Enclose **certified** copies of your English language qualification or details of English proficiency.
- Enclose a photocopy of the personal details page of your passport and visa if applicable.
- Attach **certified copies** of any licence or registration you hold which is relevant to your application
- If you are an overseas registered nurse, attach a certified true copy in English of your licence.
- Attach a copy of your CV/resume
- Make a copy of your application for your records.

University Privacy Policy

The information collected in this application form is 'personal information' as defined by the Privacy and Personal Information Act 1988 (NSW) (the Act). If you do not complete all the questions on this form, it may not be possible to process your application. Personal information may be collected from or disclosed to relevant bodies for the verification of your previous qualifications, and it may be disclosed to government agencies (e.g. DIBP) as required by legislation or pursuant to obligations under the ESOS Act 2000 and the National Code of Practice or for your visa application. Information may be shared with the registered agent you appoint to assist with your application for entry or visa processing. Further information can be found in the University's Privacy Management Plan: www.newcastle.edu.au/about-uon/governance-and-leadership/access-to-information

10. Declaration

I declare that the information I have supplied in this application is correct and complete. I understand that it is an offence to submit fraudulent documentation in support of an application for the purpose of gaining admission to the University of Newcastle. I understand that the University may vary or cancel any decision it makes if the information I have supplied is found to be incorrect or incomplete. I understand that all documents submitted with this application become the property of the University and will not be returned to me. I hereby authorise the University of Newcastle to obtain further information with respect to my application if necessary. I declare that I am a Genuine Temporary Entrant (GTE) and a Genuine Student and that I have read and understood the conditions in relation to these requirements: www.immi.gov.au/students/gte-requirement.htm I declare that I will comply with the rules of the University of Newcastle governing admission and enrolment.

Signature _____ Date _____

Send your completed application form to:

Email: IA@newcastle.edu.au

OR

Postal Address: International Admissions
University of Newcastle
University Drive
Callaghan NSW 2308
AUSTRALIA

LANGUAGE CENTRE APPLICATION FORM



THE UNIVERSITY OF
NEWCASTLE
AUSTRALIA

*** Please complete this form for ELICOS programs ONLY. If applying for a packaged/nested offer with an undergraduate program, please use the Undergraduate Application form on page 121.**

Have you previously applied to the University of Newcastle?

Yes No If Yes, what was your Student ID number?

1. Personal details

Title (Dr, Mr, Miss, Mrs, Ms etc.)

First/Given Name

Other Name(s)

Family Name

Previous Family Name

Date of Birth Female Male

Home Address

Number and Street

Suburb/Town/City State

Country Postal/Zip

Phone

Country code Area code Mobile/Cell/Handphone Number

Phone

Country code Area code Home Number

Email Address

Address in Australia (if known)

Number and Street

Suburb/Town/City State

Country Postal/Zip

Phone

Country code Area code Mobile/Cell/Handphone Number

Phone

Country code Area code Home Number

Country of Citizenship

Country of Birth

Passport Number

2. General Information

Usual Occupation

What is your current level of English? Elementary Intermediate Upper Intermediate Advanced

Have you taken an IELTS, TOEFL, CAMBRIDGE or other English test? No Yes (If Yes, please supply a copy of your results)

Do you have any medical problems? No Yes If Yes, please give details

Type of Visa (Please tick a box): Student Visa Visitor Visa Working Visa Other

If Student Visa, what health cover do you require?

Single Family Not required

When do you wish to begin your English course?

How many weeks do you wish to study English?

At which Language Centre campus do you wish to study? Newcastle Sydney

3. Accommodation Services

Do you require information regarding airport reception service? No Yes

Do you require information regarding accommodation? No Yes

If Yes, please indicate your preference:

Homestay On-Campus (Halls of Residence Long Term Stay) Temporary Accommodation (Budget Hotels)

4. Application Information

Is your application being made through an Agent? No Yes

If yes, name and location of agent: _____

How did you learn about The University of Newcastle Language Centre? Please tick one of the following boxes:

- Travel Agent Article in book/newspaper Education Agent Friends Australian Embassy
- Family Education Exhibition Website Other

Please provide the name of the Book/Newspaper or Agent: _____

25 hours tuition is offered per week.

University Privacy Policy

The University of Newcastle is committed to protecting and maintaining the privacy of personal and health information collected. For more details on our management of personal information, please visit the Privacy website at the following link: www.newcastle.edu.au/service/privacy/

Declaration

I declare that the information I have supplied in this application is correct and complete. I agree to comply with the rules governing admission and enrolment of the University. I understand that I am responsible for the prompt payment of any fees related to the course to which I am applying for admission.

I understand that the University may be required to release the information supplied to Commonwealth and State agencies, pursuant to obligations under the Education Services for Overseas Students Act 2000 and the National Code of Practice for Registration Authorities and

Providers of Education and Training for Overseas Students and I hereby authorise the release of information contained in the Application Form to such agencies.

I understand that the University is required by law to inform the Department of Education, Science and Training of changes to my enrolment and any breach of a student visa condition relating to satisfactory academic performance.

Signature _____ Date _____

Send your completed application form to:

International Admissions
International Office
The University of Newcastle
Callaghan NSW 2308 Australia
T +61 2 4921 6595
F +61 2 4960 1766
E IA@newcastle.edu.au
W www.international.newcastle.edu.au

TUITION FEES

The fees listed are in Australian dollars (AU\$) and are the average price of the program per year. The tuition fee each semester may vary according to course selection. The fees do not include international and domestic travel, accommodation and meals, books, living costs or Overseas Health Cover charges.

The fee deposit and, where applicable, the Overseas Student Health Cover are payable on acceptance of an offer of a place in a course or a program. Fees are then payable before the beginning of each new semester. All fees must be paid in full and on time. Non payment of tuition fees by the due date will result in the termination of a student's enrolment.

ENGLISH LANGUAGE INTENSIVE COURSES FOR OVERSEAS STUDENTS (ELICOS)

Full refund of tuition fees

(Payable within two weeks of request or course* start date, whichever first occurs)

The University will make a full refund of tuition fees in the following circumstances:

- a) Application for a student visa is unsuccessful; or
- b) The University is unable to provide the tuition for which the offer has been made; or
- c) An offer of a place is withdrawn by the University; or
- d) Applicant is unable to satisfy prescribed conditions stipulated in the Offer Conditions.

In the case of either (c) or (d), the University reserves the right to retain an administration charge of AU\$500 and, where applicable, any agent's fee, if the applicant has provided incomplete or incorrect information.

Partial refund of tuition fees

(Payable within four weeks of receipt of notice of withdrawal)

The University may make a partial refund of tuition fees in the following circumstances:

- a) If written notice of withdrawal is received from a candidate at least 28 days prior to the commencement of a course* all fees are refundable, less an administration charge of AU\$500 and, where applicable, any agent's fee; or
- b) If written notice of withdrawal is received from a candidate less than 28 days prior to the commencement of a course* all fees are refundable, less an administration charge of AU\$750 and, where applicable, any agent's fee; or
- c) If the University is unable to offer a specific element of a course* after the student arrives owing to insufficient numbers enrolled, a pro-rata refund will be made; or
- d) If a student passes the English for Academic Purposes course* earlier than the length of period for which the student initially enrolled, a pro-rata refund will be made.

No refund of tuition fees

The University will not refund tuition fees if written notification of withdrawal from a course* is received after the commencement of the course*. This includes instances where a student may, prior to completion of a course*, sit for an IELTS test, and be successful.

* NOTE: For ELICOS, a course is the period for which tuition has been pre-paid.





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Got a question?

newcastle.edu.au/askuon

Contact us

International Office
The University of Newcastle
Callaghan NSW 2308 Australia

T +61 2 49216595

F +61 2 4960 1766

E international@newcastle.edu.au

WHY THE SEAHORSE?

The University's emblem from 1965 until 2007 was a mythical seahorse, based on the naval coat of arms of Lieutenant John Shortland, who chartered and named Hunter's River in 1797. The University's contemporary seahorse looks back to our heritage and the history of Newcastle; and recognises our status as one of Australia's most forward-looking universities.

LEARN MORE

We have a section of our website dedicated to the international student experience

 international.newcastle.edu.au

DISCLAIMER

The University of Newcastle reserves the right at all times to withdraw or vary degrees listed within this publication. In the event that a degree within this publication has to be changed or withdrawn, applicants will be advised by mail to the address specified by them on their UAC application before the last date for the change of preferences for the Main Round. All information is correct at January 2014, but is subject to change as degree content is reviewed and updated.

**Times Higher Education World University Rankings 2013 & QS World University Rankings 2013*