

2024 Undergraduate guide

to degrees and subject choices



THE UNIVERSITY OF
NEWCASTLE
AUSTRALIA



Why the University of Newcastle?

Whether you're already a local who knows and loves the Newcastle and Central Coast regions, or are from out of town and ready to make the sea change, we've compiled ten reasons to study with us.

1 More career opportunities and higher salaries – University of Newcastle graduates have higher than average starting salaries once they finish studying¹. Our practical learning connects you with networks to provide more career opportunities.



Newcastle City campus, NUspace

4 Cheaper cost of living – while the laid-back, coastal lifestyle is a major drawcard, so is the money you could save by making a sea change, with Newcastle and the Central Coast offering a more affordable cost of living than major cities.

5 Join a diverse and supportive community – there are more than 39,000 students from over 98 countries studying at the University of Newcastle⁴ and plenty of opportunities to build a global perspective and connect with people from different cultures.

2 Top 200 university in the world² – here you'll have access to world-class programs and opportunities to put theory into practice with real-world experiences. Plus, 12 of our subjects are ranked in the top 200 in the world³.

3 It's flexible and fun – university is not like school. Our flexible study options let you take control of your learning and design a timetable that suits you. It's also a place to make new friends and have fun – join one of our sporting teams, clubs or societies and enjoy a variety of events and activities.



Newcastle campus, Callaghan

6 #1 university in Australia for industry collaboration⁵ – we know how to work with businesses and can connect you with industry experts to fine-tune your skills. Work-related experience is embedded into all our degree programs.

¹ Graduate Outcomes Survey 2019 - 2021.


² QS World University Rankings 2022.

³ QS World University Rankings by Subject 2022.

Ranked 192 in the world²

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7 **Beaches, beaches, beaches** – our coastline is world famous. Think long stretches of uncrowded sand, accessible public transport, and the big clincher – free parking! Check out the iconic Merewether Beach or head down the coast to explore the shores of Avoca and Terrigal.

 ANZAC Walk, Newcastle

8 **Vibrant communities** – Newcastle and the Central Coast are home to innovators, entrepreneurs, a dynamic art and music scene, chilled-out cafes, eclectic markets, micro-breweries and small bars. Whether you're checking out a gig, shopping for collectables at boutique markets or grabbing a bite to eat, you'll be spoilt for choice when it comes to food, fashion, and fun.

9 **Go global** – our degrees are focused on real-world, global experience. Study part of your degree overseas and gain credit while travelling the globe. Plus, some of our degrees will qualify you to work anywhere in the world.

10 **Coffee to keep you grounded** – if there's one thing that we take seriously, it's the coffee culture. From cafes on campus to beachside kiosks, a caffeine hit isn't hard to find.

 Central Coast campus, Ourimbah

⁴ Data Warehouse 2021.

⁵ Innovation Connections IC Report 2014 – 2020.

Our campuses

Newcastle City campus, NUspace

Our campuses are welcoming and collaborative environments.

Our main campuses are in Newcastle and on the Central Coast, however you might take opportunities to study at one of our regional NSW centres, at our Singapore campus or one of our many partner universities around the world.



🔗 Discover life on campus

Newcastle (Callaghan)

Our Newcastle Callaghan campus, located on Awabakal land, is a central hub for education, humanities, social science, and the fields of science, technology, engineering, mathematics, health and medicine. The region's largest hospitals, the Hunter Medical Research Institute (HMRI), schools, early childcare facilities, and local defence and industrial hubs are all in close proximity. With all this on your doorstep, you'll have plenty of chances to meet industry leaders and build practical skills. Also located at our Newcastle Callaghan campus, NUsport at The Forum offers cutting-edge health and fitness facilities and programs to help maintain your physical and mental wellbeing.

We acknowledge the traditional custodians of the lands within our footprint areas: Awabakal, Darkinjung, Biripai, Worimi, Wonnarua, Gomeroi and Eora Nations. We pay respect to the wisdom of our Elders both past and present. We also acknowledge and pay respect to the other Aboriginal and Torres Strait Islander nations from which our students, staff and community are drawn.

Newcastle (City)

In the heart of the CBD, our Newcastle City campus, found on Awabakal and Worimi lands, provides an integral link with industry in creativity, business and law. Home to the University of Newcastle's School of Law and Justice and Newcastle Business School, NUspace harnesses the latest in technology and innovation to deliver a world-class student experience.

Overlooking Newcastle harbour, Q building is home to Creative Industries as well as our Integrated Innovation Network (I2N) Hub, with specialised studios and technologies, and shared spaces to connect with staff, industry, and community.

Just a few minutes walk from Q building, NUsport at The Forum, Harbourside offers leading health and fitness facilities in a convenient location.

Located in the Newcastle City Precinct, the Conservatorium boasts state-of-the-art concert and teaching facilities and is home to our music and performing arts programs.

Central Coast (Ourimbah)

Only an hour drive from Newcastle or Sydney, our Central Coast campus at Ourimbah, found on Darkinjung land, offers study programs in business, education, humanities and social science, oral health therapy, podiatry and science (food and human nutrition, coastal and marine, environmental management, and exercise and sports).

Central Coast (Gosford)

Strategically located on the grounds of Gosford Hospital, our world-class Central Coast Clinical School, found on Darkinjung land, has transformed the region into a leader in health, research, innovation and education.

Our state-of-the-art facility offers an immersive learning environment with a three-ward simulation centre, anatomy and histology laboratory, research laboratories, virtual reality spaces and more.

Our students benefit from strong links with local industry and partnerships with the Central Coast Local Health District for nursing and specialised health degrees.

The Wollotuka Institute is committed to the advancement of Indigenous education at a local, national and international level.

Since 1983, the Wollotuka Institute has provided guidance and support for Aboriginal and Torres Strait Islander students during their study. In this welcoming and culturally affirming environment, you'll be supported by experienced staff, Elders, cultural leaders and fellow students that help build feelings of belonging and confidence, contributing to your success.



[Learn more about
The Wollotuka Institute](#)

Supporting you, every step of the way

At the University of Newcastle, we'll support you throughout your educational experience.

The Wollotuka Institute and Thurru (Indigenous Health Unit) will assist you with mentorship, tutoring, scholarship assistance, employment opportunities and support during your student journey.

The University offers many pathways and entry options to give you the best chance of getting into uni. Imagine having a guaranteed place in a Law program at the University before beginning your final HSC exams, with our Indigenous Early Entry Scheme (Law).

Our Yapug pathway program is designed to enable Aboriginal and Torres Strait Islander people to gain valuable skills. Not only will you gain entry into university, but our program will assist you to reach your ultimate potential. You'll also have access to expert knowledge, industry connections and real-world learning experiences to prepare you for your career.

Over 1,600

Aboriginal and Torres Strait Islander students have graduated from the University of Newcastle¹, and we couldn't be prouder

1 Data Warehouse 2021.

“Wollotuka feels like a second home to me. Everyone says hello and it makes me feel good that it's a welcoming family environment.”

Kobey
Bachelor of Medical Science
and Doctor of Medicine



Student life

Student life is all about making the most of your time at university. One of the great things about the University of Newcastle is that there's always something happening on campus.



✔ Learn more about life at uni

Clubs, societies and events

University of Newcastle Students' Association (UNSA) is home to more than 120 clubs, societies and social groups. From cheerleading to arm wrestling, chess, and plenty more – there's something for everyone. Our campuses are buzzing with social events throughout the year. Enjoy Autonomy Day and Orientation, band competitions, live music, 'stress less' activities, or snag yourself a sausage at free weekly lunches.

Staying active

NUSport at The Forum, University (Callaghan) and Harbourside (Newcastle City) offers state-of-the-art health and fitness facilities. You'll find the Hunter Region's premier 50m indoor heated swimming pool, extensive group fitness options and a range of strength and cardio equipment. Indoor courts cater for casual hoops and structured social sport competitions all year. Join one of many sporting clubs or compete in the representative inter-university competition, UniSport Nationals, or apply for support as an elite athlete.

NUSport at the Forum (Ourimbah) offers fitness equipment and small group fitness programs.

theforum.org.au

There are plenty of outdoor spaces with sporting fields, shared paths and dedicated fitness trails on campus. Our Ourimbah campus also offers a gym and covered outdoor recreation area – providing a great place for students to be active and engaged all year round.

Campus essentials

Whether you're looking for a good coffee to kick-start your day, a bite to eat at lunch or a place to relax in between classes, we've got you covered with a wide range of cafes, food outlets and bars across all our campuses.

We also offer a number of additional services across our campuses to make student life easier including a medical centre and pharmacy, post office, retailers, childcare, and counselling.

Getting around



Access via train is available for Callaghan (Warabrook station) and Central Coast campuses (Ourimbah or Gosford station). If you're studying at our Newcastle City campus, the light rail's Civic stop is right at our doorstep.



Beautiful bike paths make riding around our campuses fun, and our bike hubs at Callaghan and Newcastle City campus offer showers and secure storage.



A free city shuttle runs between Callaghan and Newcastle City campus every 30 minutes during semester and a shuttle bus runs in the morning and afternoon between Ourimbah and Gosford campus.

Student support

There are a range of student support services available to help you through your studies, such as:

- **Peer Assisted Study Sessions (PASS)** – one-hour weekly review sessions.
- **Academic Learning Support** – see a Learning Adviser for tips, workshops and resources.
- **Careers and Student Development** – access valuable work experience opportunities and employment help.
- **Peer Mentoring Program** – having a mentor is like having an expert friend help you navigate through uni.



Find out more

Accommodation

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While the thought of moving away from your home town to study might seem daunting, we're here to make this transition as easy as possible. We offer students secure, affordable and comfortable accommodation while studying. Whether it's a self-contained studio you're after or a ten-share apartment, we have plenty of options.



🔗 Learn more about
living on campus

2019 Excellence in Customer Service

Asia-Pacific Student
Accommodation Association

Living on campus

If you want to meet lifelong friends, get involved in social activities, and enjoy countless amenities at your fingertips, on-campus accommodation is a great choice. With eight different residences to choose from at our Callaghan campus, and one at our Ourimbah campus, you're sure to find an option right for you.

Accommodation options include private or shared rooms and amenities, semi-catered or self-catered living. You'll have access to 24/7 security, a range of facilities, support and wellbeing services, academic support, a dedicated Health and Wellbeing Coordinator and our award-winning ResLife Program.

Establishing Aboriginal and/or Torres Strait Islander Status within the University

Aboriginal and/or Torres Strait Islander students will receive guaranteed entry to accommodation on campus upon completion of an accommodation application*. Access to guaranteed accommodation for new Australian Aboriginal and/or Torres Strait Islander residents is based on the completion of the Establishing Aboriginality and/or Torres Strait Islander Status Procedure.

*Terms and conditions apply.



Newcastle campus, Callaghan

Real-world experience

Sometimes it's best to dive straight in. That's why exciting industry experiences that integrate learning with a real workplace – like internships, clinicals, practicums and work placements – are at the core of all our degrees.

Known for our strong partnerships with local and global organisations, our courses are shaped by the real world, meaning you'll graduate ready for a career in your field. Our Careers Service team are also on hand to help you out with everything from making decisions about your career, connecting with industry and advice about applying for work.



🔗 Learn about Work Integrated Learning

"I got to experience the different religious traditions by participating in the Jewish holiday of Rosh Hashanah through my history course at the University. I got the full experience of an American student, living in the dorms made it easy to make new friends and much more accessible to the campus."

Temperance

Bachelor of Arts/Bachelor of Laws (Honours)
Semester Exchange – North Carolina



"I am grateful for the invaluable opportunities each placement gave me. I feel significantly more confident in entering the workplace and collaborating with others in a workplace environment. Undertaking work placement has definitely made me more employable as I have continued to work as a volunteer with The Wilderness Society."

Lucy has completed two work placements as part of her degree, the first with Feedback Farms and the second with The Wilderness Society.

Lucy

Bachelor of Development Studies



Global experience

If you're keen to take your studies around the world you could have the chance to travel and get credit for your degree at the same time.

There are opportunities for international experiences across every area of study, whether it's an overseas exchange program, study tour or work placement. Discover new cultures, try new food, and make friends from all over the world. With more than 100 partner universities spanning all major continents, it really is the chance of a lifetime.



**180 Partnerships
in 32 countries**

For student exchange and study abroad programs

Getting in

The University of Newcastle is home to many talented, enthusiastic and diverse students and providing access for all to higher education is fundamental to who we are.



That's why we have a number of pathways, scholarships and entry options to help you with getting in to uni.

Pathways Programs

We're proud to be the largest provider of alternate pathways programs in Australia.

If you didn't finish year 12, or get the marks for your dream degree, we have many options to get you started.

Open Foundation

This FREE pathway program is for you if you aren't able to get into the degree of your choice directly, or if it has been a while since you've last studied. Regardless of your circumstances, Open Foundation offers a supported and guaranteed pathway into the first year of selected undergraduate degrees at the University of Newcastle.

Yapug

This FREE pathway program is for you if you are an Aboriginal or Torres Strait Islander student who wants to prepare for or gain entry into university, learning through culture. You'll be supported by Indigenous staff to help you get into the first year of your degree of choice, including a pathway into Medicine.

Diplomas

If you are looking for a more supported start to your studies or would like to upskill for your career, a diploma is for you. On completion, this fee-paying pathway provides you with a diploma qualification, guaranteed entry into selected undergraduate degrees and up to 80 units of credit into programs from the same study area. You will also gain access to additional support that will help you adjust to your studies.

NUPrep Bridging and Refresher Courses

These FREE short courses are a great way to prepare for a pathway or undergraduate program at the University of Newcastle. NUPrep courses focus on core topics within academic skills, maths or science. Plus, if you choose to study a combination of NUPrep courses, you will have access to workshops that will help you bridge any gaps in your knowledge and skills. You can enrol in these short courses before you apply to uni to get a taste of uni study.

Scholarships



It doesn't matter what your background is or what your circumstances are, we want to give everyone the chance to go to, and thrive at university.

Our scholarship programs provide:

- scholarships for academic achievement
- support for individuals facing financial hardship and educational disadvantage
- support for Indigenous students
- opportunities to travel, perform, play sport, relocate, or gain global experience.

Entry options

We have a range of entry support options that may help you secure your place here.

Early Entry Program

Our new Early Entry Program means you can receive an offer before the HSC, among other benefits.

Schools Recommendation Scheme (SRS)

An early offer pathway based on your Year 11 results and ratings submitted by your high school.

Year 12 Subject Spotlight

Get an offer to study based on your performance and strong results in the HSC in English and individual subjects related to your degree.

Aboriginal and Torres Strait Islander Admission

This program helps Aboriginal and Torres Strait Islander applicants gain entry into our degrees. Make sure you indicate that you are Aboriginal or Torres Strait Islander on your UAC application. You can access advice and support to help with your application and selection interviews.

ATAR and selection rank

Most programs admit students based on selection rank which is your ATAR plus adjustment points. You can get adjustment points for the following:

- **Year 12 Adjustment Points** – gain up to four adjustment points based on individual HSC subject results.
- **Educational Access** – to increase equity in higher education, students who have previously experienced significant educational disadvantage can gain up to four adjustment points.
- **Leaders, Athletes and Performers** – exceptional athletes, performers, artists and leaders with proven experience can gain up to four adjustment points.
- **Regional and Rural Students** – you can access five adjustment points if you completed your HSC at a regional or rural school in selected postcodes.

We have many pathways for you to enter university including work experience and guaranteed entry through TAFE qualifications. Admissions schemes and adjustment points are subject to change, check our website for up-to-date information.

Your path to uni

Year 10

- **What are you interested in?**
Use the study areas and career ideas in our brochures to narrow down options.
- **Create a list**
Check assumed knowledge and recommended studies and create a list of possible HSC subjects.
- **Choose wisely**
Choose HSC subjects that you are good at and enjoy.
- **Experience university life**
Participate in university events to experience campus life and find out more about degrees.



Year 11

High performing student?

Complete first year university subjects while at school to get a head start.



Find out more

Sign up

Join our mailing list for information and updates heading into year 12.



Stay connected here

Boost your chances

Start planning your pathway into university by considering adjustment points and entry schemes.



Find out more

Participate in Open Days

Explore the campus, uni life and clubs and societies, whilst having the opportunity to sit in lectures and find out more about the degree you're interested in.



Learn about Open Days

Year 12

Scholarships

Without support, attending university can sometimes seem impossible. We have hundreds of scholarship programs with over 1,000 individual scholarships on offer ranging from \$1,500 to \$75,000.



Discover scholarship opportunities

Get an early offer

Our Early Entry Program, and Schools Recommendation Scheme (SRS), mean you could get an early offer to study before you sit your final HSC exams. Applications for the Early Entry Program open in May, but you can register your interest anytime via newcastle.edu.au/early. Applications for the Schools Recommendation Scheme (SRS) open in April via UAC.



Find out more about the SRS

Apply to uni

When you are ready to apply visit uac.edu.au.

Explore at Open Day

Talk to academics, sit in lectures, find out about scholarships, alternate pathways and academic support you can access from day one.

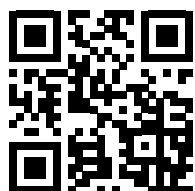


Attend Open Days

Start at the University of Newcastle

Ask a student

Talk to a current student about student life, studying with us, living on campus or any other questions you may have about going to uni. Or check out the FAQs that our students have answered. You can also chat directly to us about our courses, areas of study, or campus options.



HSC subject selection

We know there are lots of things to consider when deciding on what to study for the HSC. Start with these three steps, and our *career ideas guide*, to get to know your own interests and where they might lead you.

Step 1 Self-reflection

Take some time and think about what it is that you enjoy doing. To help you decide what subjects you want to study, think about your answers to these questions:

- What interests you and why?
- What are your strengths and weaknesses?
- What are your favourite subjects?
- What do you dislike studying?
- Where do you like to be? (inside or outside)

Step 2 Research careers

You don't have to know exactly what you want to do, but by starting to research careers now, you'll have a better understanding of what path you'll need to take to get there. Check out the *career ideas guide* to explore areas of interest and possible occupations. Talk to family members and people around you for more ideas and to get a better sense of careers that you might be interested in.

Step 3 Subject selection

Bring together a combination of the subjects that you like and enjoy doing at school, as well as the subjects that are recommended to you by the university you'd like to go to.

Subjects you like:



Recommended subjects:



Subject selection:



Case Study



Sam doesn't know what they want to do when they leave school.

Sam has selected the recommended broad range of subjects (English, Maths and Science), paired with subjects they like and enjoy, to give them the opportunity to change their mind and discover more interests.

Sam likes these subjects

English, Science and
Legal Studies



Recommended broad range of subjects

One English subject
One Maths subject
One Science subject



Sam's subject selection

1. English Advanced
2. Mathematics Advanced
3. Investigating Science
4. Legal Studies
5. Modern History
6. Photography, Video and Digital Imaging

Career ideas

This guide shows you some of the subjects you might choose to study in year 11 and 12, as well as the study areas and careers that those subjects relate to.

	You like	You could study	You could be
	Art, Business Studies, Design and Technology, Economics, Geography, Maths	Architecture, Building and Construction	Architect, Building Certifier, Building Surveyor, Construction Manager, Drafter, Product Designer, Project Manager, Property Developer, Quantity Surveyor, Town Planner
	Business Studies, Economics, English, Geography, Languages, Maths	Business and Management	Accountant, Account Manager, Business Analyst, Business Development Officer, Data Analyst, Economist, Entrepreneur, Financial Planner, Human Resources Officer, Investment Banker, Marketing Officer, Mortgage Broker, Sports Development Officer, Stockbroker
	Business Studies, Criminology, Data Science, Design and Technology, English, Industrial Technology, Information Technology, Maths, Physics	Computing, Maths and Technology	Artificial Intelligence and Machine Learning Specialist, Big Data Specialist, Computer Game Developer, Computer Scientist, Cyber Security Advisor, Mathematician, Meteorologist, Risk Analyst, Web Developer
	Art, Design and Technology, Drama, Movies and Television, Writing, Music, Social Media	Creative Industries and Communication	Animator, Artist, Copywriter, Filmmaker, Graphic Designer, Journalist, Multimedia Designer, Musician, Public Relations Officer
	Art, Biology, Chemistry, Criminology, Design and Technology, Drama, English, Geography, Health and Physical Education, History, Languages, Maths, Metal Work, Music, Science, Wood Work	Education	English as a Second Language Teacher, Learning and Development Consultant, Sport and Recreation Officer, Special Education Teacher, Teacher
	Art, Business Studies, Chemistry, Design and Technology, Engineering Studies, Industrial Technology, Maths, Physics, Science	Engineering	Computer Architect, Environmental Impact Consultant, Prosthetics Designer, Robotics Engineer, Satellite Engineer, Structural Engineer, Surveyor, Urban Development Engineer
	Biology, Chemistry, Food Technology, Health and Physical Education, Maths, Science, Physics	Health and Medicine	Dental Therapist, Dietitian, Doctor, Exercise Scientist, Food Scientist, Midwife, Nuclear Medicine Technologist, Nurse, Occupational Therapist, Pharmacist, Physiotherapist, Podiatrist, Psychologist, Radiographer, Speech Pathologist, Surgeon
	Art, Biology, Community and Family Studies, English, Geography, Health and Physical Education, History, Languages, Maths, Music, Religion, Society and Culture	Humanities and Social Sciences	Community Development Worker, Cultural Heritage Conservationist, Demographer, Environmental Manager, Historian, Human Geographer, International Aid Worker, Media Analyst, Migrant Support Officer, Policy Developer, Social Worker, Town Planner, Translator, Youth Worker
	Business Studies, Criminology, Economics, English, History, Languages, Legal Studies, Media and Entertainment Studies	Law	Barrister, Contracts Manager, Industrial Relations Officer, In-House Counsel, International Aid Worker, Lawyer, Lobbyist, Police Detective, Policy Reformer, Political Adviser, Private Investigator, Regulator
	Agriculture, Biology, Business Studies, Chemistry, Earth and Environmental Science, Economics, Geography, Health and Physical Education, Information Technology, Marine Science, Maths, Physics, Science	Science and the Environment	Botanist, Climate Change Analyst, Climate Scientist, Data Analyst, Exercise Scientist, Food Scientist, Forensic Chemist, Geologist, Marine Biologist, Medicinal Chemist, Microbiologist, Physicist, Psychologist, Researcher, Scientific Journalist, Statistician, Wildlife Conservationist

Unispeak

Some key terms explained

Starting your university journey can sometimes feel overwhelming. This directory defines some useful concepts to help you along the way.

Assumed knowledge and recommended studies

Assumed knowledge relates to things you should have studied before starting your degree. Classes will be taught on the assumption that you have a certain level of knowledge when you begin. Recommended studies are directly related to a particular degree and it's highly advised that you have undertaken the listed subjects as the course will be taught on the basis that you understand these subjects. The subjects listed under assumed knowledge and recommended studies are HSC courses. Equivalent TAFE, interstate, registered training provider or international qualifications are also accepted.

ATAR

ATAR stands for Australian Tertiary Admission Rank. It's a number between 0.00 and 99.95 that ranks how you perform in the HSC compared to other students.

Your ATAR is calculated partly based on your exam results, so it's not possible to work it out in advance – but there are things you can do to focus on getting a good ATAR:

1. Your English marks are considered first in your ATAR calculation, so great English results are worth a lot.
2. After English, the calculation includes the next best eight units. Choose subjects you like and know you are going to do well in. Find out more about how different subjects are scaled at uac.edu.au.
3. Don't overthink it. Put your efforts into studying and you'll see the rewards.

Combined degrees

A combined degree means you study two degrees at once. You'll then graduate with two qualifications in less time.

Financial assistance

Whatever your background and financial status, we have support systems available to help with the costs involved in studying, including scholarships and emergency loans. You also might be eligible for Australian Government assistance with HECS-HELP loans and income support.



Discover scholarship opportunities

Majors and Minors

Some degrees allow you to major or specialise in a particular group of courses. This focuses your study and ensures you are suitably qualified for jobs in your preferred area. Some degrees also allow you to complete a double major which is two specialty areas. A minor is a specialised area of study without the depth of a major.

Preferences

You can nominate five preferences in your UAC application. List your preferences in order of the degree you'd like to study most, rather than the selection rank.

Selection rank (SR)

Selection rank is your ATAR plus any adjustment points you qualify for. When we publish selection ranks for degrees, it is the lowest selection rank of any recent school leaver who received an offer to study the degree the previous Semester 1 intake. Some degrees have additional entry requirements, so check with these in the degree listings on our website.



Learn about entry options

Universities Admissions Centre (UAC)

UAC is the central office that receives and processes applications for admission to most undergraduate degrees and diploma courses at participating tertiary institutions.

uac.edu.au

2024 Undergraduate degrees



Architecture, Building and Construction



See the website for more information about our degrees

Degree name	2023 SR		UAC Code	Location	Duration
Bachelor of Construction Management (Building) (Honours)	65.00	The skyline's the limit. The construction industry in Australia is booming. Construction management graduates work in a whole range of leadership roles in the construction industry. Working both on and off site, they schedule and coordinate the design and construction process, including selecting, hiring and supervising trade contractors, as well as the budget and legal aspects of the project. The Bachelor of Construction Management (Building) (Honours) has a high level of professional recognition both in Australia and overseas. Our flexible delivery options make it easy for you to study by distance or work in the industry while completing your degree. All students will complete a total of 16 weeks work integrated learning and industrial experience prior to graduating. Recommended studies: English (Standard or Advanced) and Mathematics (Standard or Advanced)	482450	Newcastle – Callaghan	4 yrs FT / 10 yrs PT
			482460	Online	
Bachelor of Design (Architecture)	65.00	Architecture is more than just art and technology. At the University of Newcastle, our Bachelor of Design (Architecture) students are challenged to explore their potential as agents for change. Our graduates don't just design and shape the physical spaces of our cities and buildings – they use architecture to stimulate the places we live and work, engage the community and improve our world. Learn in the state's newest creative innovation centre – Newcastle. Through live projects, you'll develop design principles that emphasise social, economic and environmental sustainability and become a consultative problem solver. This program is nationally accredited by the NSW Architects Registration Board, Commonwealth Association of Architects, and Architects Accreditation Council of Australia. Recommended studies: English (Standard or Advanced) and History (Ancient or Modern), plus at least one of Visual Arts, Design and Technology or Industrial Technology	482500	Newcastle – Callaghan	3 yrs FT / 4 yrs PT
Diploma in Built Environment	50.00	From sustainable buildings to climate resilient cities and everything in between, they all start from the ground up. And so does our Diploma in Built Environment. You will build the foundational skills needed to excel in a range of roles in the construction industry. Gain a preliminary understanding of the construction and design industries to help start your path to a rewarding career in the sector.	489834	Newcastle – Callaghan	1 yrs FT / 4 yrs PT



See the website for more information about our degrees

Business and Management

Degree name	2023 SR		UAC Code	Location	Duration
Bachelor of Business	62.00	The Bachelor of Business gives students a broad understanding of Australian and global business environments. Students graduate with practical skills and attributes that are highly valued by employers in a range of disciplines including human resource management, leadership, tourism/event management, entrepreneurship and innovation, politics, marketing, industrial relations and international business. Our business graduates go on to exciting, stimulating and lucrative careers in the private, government and not-for-profit sectors in Australia and internationally. Recommended studies: Mathematics (Standard or Advanced) Combine this degree with*: <ul style="list-style-type: none"> • Bachelor of Business Analytics • Bachelor of Chemical Engineering (Honours) • Bachelor of Civil Engineering (Honours) • Bachelor of Commerce • Bachelor of Development Studies • Bachelor of Electrical and Electronic Engineering (Honours) • Bachelor of Environmental Science and Management • Bachelor of Food Science and Human Nutrition • Bachelor of Information Technology • Bachelor of Innovation and Entrepreneurship • Bachelor of Laws (Honours) Combined • Bachelor of Mechanical Engineering (Honours) • Bachelor of Psychological Science • Bachelor of Surveying (Honours) 	482200	Newcastle – City	3 yrs FT / 8 yrs PT
			482210	Central Coast – Ourimbah	
Bachelor of Business Analytics	62.00	In recent years, interest and industry demand for business analytics and artificial intelligence specialists has increased significantly. The quality, quantity and diversity of data available has never been greater, with many organisations relying on the expertise of business analysts to inform decision-making and strategic direction as well as the expertise of substituting extra human involvements in workplaces, by machines. As a result, career opportunities in this area have boomed. You'll develop the smart solution design and data skills needed to implement and oversee data-driven and smart business operations. The bachelor degree will prepare you to utilise artificial intelligence methodologies to analyse and transform existing business process into digitally automated smart process and data into useful decision-support information, and determine trends, futures, and strategic directions or outcomes for functioning business operations proactively. Skills and knowledge will be providing support in continuously meeting future market demands. Recommended studies: Business Studies and Mathematics (Standard or Advanced) Combine this degree with*: <ul style="list-style-type: none"> • Bachelor of Business • Bachelor of Commerce 	484871	Newcastle – City	3 yrs FT / 8 yrs PT

Combined degrees may have differences in selection ranks, durations and other criteria. Please see the website for specific information about each combined degree.

Degree name	2023 SR		UAC Code	Location	Duration
Bachelor of Commerce	62.00	The Bachelor of Commerce is a practical and flexible degree, with core courses designed to give you a thorough overview of business and commerce environments, before you specialise in Accounting, Economics, or Finance. When you study a commerce degree at the University of Newcastle, you will be equipped to make a smooth transition from the classroom to the boardroom, by acquiring skills that employers value. Through courses in your chosen major, you will gain insight into the interplay between the financial, legal, political and economic systems and how these factors influence the contemporary business environment, both in Australian and global contexts. Recommended studies: Mathematics (Standard or Advanced) Combine this degree with*: • Bachelor of Business • Bachelor of Business Analytics • Bachelor of Innovation and Entrepreneurship • Bachelor of Laws (Honours) Combined	482300	Newcastle – City	3 yrs FT / 8 yrs PT
			482310	Central Coast – Ourimbah	
Bachelor of Innovation and Entrepreneurship Combined	62.00 62.00 62.00 85.00 65.00	This combined program prepares students with the academic knowledge and practical experience needed to become highly competitive in rapidly changing regional, national and global economies and communities. The program embeds business, innovation and entrepreneurial knowledge into a combined degree program with practical experience. Recommended studies: Mathematics (Standard or Advanced) Combine this degree with*: • Bachelor of Arts • Bachelor of Business • Bachelor of Commerce • Bachelor of Laws (Honours) Combined • Bachelor of Science		Newcastle – Callaghan and City Campus	4 yrs FT / 10 yrs PT
			482030		
			483060		
			483070		
			483100		
Bachelor of Tourism, Hospitality and Events	62.00	The Bachelor of Tourism, Hospitality and Events provides students with a cutting edge learning experience that is both academically rigorous and industry relevant. Through our research led teaching, students graduate with the business acumen and employability skills to enjoy a vibrant and successful career in tourism, hospitality and events management and leadership. Students can choose to study a stand-alone degree at the University of Newcastle (Bachelor of Tourism, Hospitality and Events). Students can also combine their university degree with an Advanced Diploma at TAFE NSW, allowing them to graduate with both an Advanced Diploma and a Bachelor of Tourism, Hospitality and Events, in just three years.	484400	Newcastle – City	3 yrs FT / 8 yrs PT
			484410	Central Coast – Ourimbah	
Diploma in Business	50.00	With practical leadership skills in the world of business, you'll be challenged to become a business trailblazer. Find your special interests or develop diverse skills across a broad range of subjects including accounting, finance, law, marketing, business decision making, business information systems and entrepreneurship. Whether you want to work in business locally, globally, or even start a business of your own, the Diploma in Business will help you get there.	489819	Newcastle – City	1 yrs FT / 4 yrs PT
			489820	Central Coast – Ourimbah	

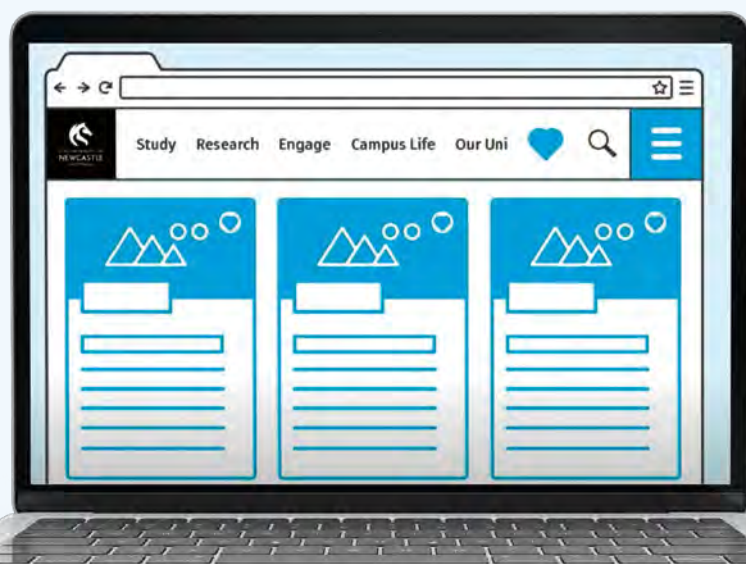
Combined degrees may have differences in selection ranks, durations and other criteria. Please see the website for specific information about each combined degree.

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Degree name	2023 SR		UAC Code	Location	Duration
Bachelor of Computer Science	65.00	<p>Computer scientists work on challenging programming tasks, developing new software technologies and sophisticated new online systems. Computer science is fundamental to many everyday technologies like mobile phones, learning systems, online shopping, navigation systems, social media, computer games and programmable appliances.</p> <p>The Bachelor of Computer Science produces innovative and resourceful computer scientists who are experts at complex problem-solving. They work across fields such as artificial intelligence, robotics, computer graphics, digital forensics, bioinformatics, web development, cryptography and data security. The Bachelor of Computer Science allows degree customisation, with majors available in computer systems and robotics, software development, and cyber security. Students gain hands-on practical experience with 200 hours of work integrated learning in their third year of study. This program is accredited by the Australia Computer Society.</p> <p>Assumed knowledge: Mathematics (Advanced) (Band 5 or above)</p> <p>Recommended studies: Mathematics (Extension 1)</p> <p>Combine this degree with*:</p> <ul style="list-style-type: none"> • Bachelor of Computer Systems Engineering (Honours) • Bachelor of Data Science 	482400	Newcastle – Callaghan	3 yrs FT / 8 yrs PT
Bachelor of Data Science	70.00	<p>Data scientists create and use a variety of tools and frameworks to examine patterns in data. These findings are then communicated to inform decision making and business strategies across a broad range of industries. From community health and tracking activity in social networks, to understanding our environment and climate change, data scientists are increasingly in demand. The Bachelor of Data Science will equip you with core skills in data science including data wrangling and visualisation, statistical modelling, programming, data security, and applied artificial intelligence including machine intelligence. You'll also have the opportunity to apply these skills by engaging in current workplace projects alongside industry partners of the University, giving you a competitive edge when you're entering the workforce.</p> <p>Assumed knowledge: Mathematics (Advanced) (Band 5 or above)</p> <p>Combine this degree with*:</p> <ul style="list-style-type: none"> • Bachelor of Computer Science • Bachelor of Mathematics 	489791	Newcastle – Callaghan	3 yrs FT / 8 yrs PT
Bachelor of Information Technology	65.00	<p>Information Technology (IT) delivers the skills needed to succeed in an interconnected society. Information technology is all about developing, building and maintaining software systems to meet the challenges faced by communities, and seizing the opportunities that new technology creates. The Bachelor of Information Technology provides work integrated learning opportunities, creating job-ready graduates. Tailor your studies to complete one of two industry-aligned majors, 'ICT Developer' or 'ICT Professional'. This program is professionally accredited by the Australian Computer Society and graduates are eligible to apply for membership.</p> <p>Assumed knowledge: English (Standard or Advanced)</p> <p>Combine this degree with*:</p> <ul style="list-style-type: none"> • Bachelor of Business 	483000	Newcastle – Callaghan	3 yrs FT / 8 yrs PT
Bachelor of Mathematics	75.00	<p>Mathematics is the language of science and underpins most technological advances that we rely on every day. The Bachelor of Mathematics attracts the very best problem solvers – those who analyse things critically and are eager to make technological discoveries. The computing, maths and technology industries are at the forefront of new thinking, and are central to the way we work, learn, communicate, socialise and entertain ourselves. The Bachelor of Mathematics allows you to undertake specialist majors or double degrees that diversify your skills and make you highly employable. Apply for the Merit Pathway program and participate in activities that enrich your learning and social experience on campus. Through this degree, you might mathematically model the way diseases spread to find a cure for malaria or search for algorithms to speed up computations. You'll use your skills in technology, creativity and logic to push the boundaries and make a difference. Work across industries such as communications, international finance and the futures market, the energy sector, and medical and health research.</p> <p>Assumed knowledge: Mathematics (Advanced)</p> <p>Recommended studies: Mathematics (Extension 1)</p> <p>Combine this degree with*:</p> <ul style="list-style-type: none"> • Bachelor of Chemical Engineering (Honours) • Bachelor of Civil Engineering (Honours) • Bachelor of Computer Systems Engineering (Honours) • Bachelor of Data Science • Bachelor of Electrical and Electronic Engineering (Honours) • Bachelor of Mechanical Engineering (Honours) • Bachelor of Mechatronics Engineering (Honours) • Bachelor of Science 	483200	Newcastle – Callaghan	3 yrs FT / 8 yrs PT

Degree name	2023 SR		UAC Code	Location	Duration
Bachelor of Mathematics (Advanced)	90.00	Are you a problem solver? A critical thinker? Maybe you want to use your analytical skills to make innovative technological discoveries? The Bachelor of Mathematics (Advanced) will prepare you for a career far beyond the norm and outside the conventional roles of a mathematician. Join a community of high achieving peers and build on your previous knowledge in logic, mathematical modelling, experimental design and data analysis. Enhance your learning with close mentoring from leading academics and a diverse network of professionals. Apply for the Merit Pathway program and participate in activities that enrich your learning and social experience on campus. The Bachelor of Mathematics (Advanced) is accredited by the Statistical Society of Australia (Statistics major) and students can join the Australian Mathematical Society before they complete the program. Graduates can work in a wide range of fields including communications, international finance and the futures market, the energy sector, or even medical and health research. Assumed knowledge: Mathematics (Advanced) Recommended studies: Mathematics (Extension 1)	483205	Newcastle – Callaghan	3 yrs FT / 8 yrs PT
Diploma in Data Analytics	50.00	There is a growing volume and value of data in business. As a result, there is a demand for workers skilled in analysing, transforming and extracting value from this data. If you have an interest in understanding the fundamentals of data analysis, the Diploma in Data Analytics is for you.	489935	Newcastle – Callaghan	1 yrs FT / 4 yrs PT
Diploma in Information Technology	50.00	If you have an interest in developing technology, using critical thinking and redefining the way we work, learn, communicate, socialise and entertain ourselves, then the Diploma in Information Technology is for you. Information technology (IT) is all about learning to develop, build and maintain software technology systems to meet the challenges faced by business and society. You can develop skills around data science to study collecting and analysing data for connected devices, systems and networks to bring meaning to complex patterns. Or you could develop software for a variety of electronic devices.	489832	Newcastle – Callaghan	1 yrs FT / 4 yrs PT



See the website for more information about our degrees

Creative Industries and Communication

Degree name	2023 SR		UAC Code	Location	Duration
Bachelor of Media and Communication	N/A [^]	When you study the NEW Bachelor of Media and Communication, you'll develop cutting-edge skills needed to produce groundbreaking, thought-provoking and engaging work in diverse media industries. With a range of course options, you'll learn to push your individual creative boundaries, while embracing the changing nature of today's complex communication landscape. Choose your major or areas of study and develop work-ready skills – from critical thinking and writing, to creating and producing content for television, film, documentaries, radio, print, gaming and digital media. Assumed knowledge: English (Standard or Advanced) Combine this degree with*: • Bachelor of Development Studies • Bachelor of Laws (Honours) Combined • Bachelor of Psychological Science	TBC	Newcastle – City Campus	3 yrs FT / 8 yrs PT
Bachelor of Music and Performing Arts	N/A [^]	A career in music and performing arts offers an exciting future within the rapidly evolving creative arts industries. Enhance your skills, discover new opportunities, and fast track your creative career through practical and creative learning. Practitioners in the creative and performing arts industry need to be highly collaborative, combining a variety of technical skills in creative thinking, design, music, performance, production and writing. At the University of Newcastle, you'll learn from leading industry specialists and practitioners to develop your professional skills and networks as you transition into your career. Study the context of music and the creative and performing arts and their unique value to society at large. Our Bachelor of Music and Performing Arts degree prepares graduates to become performance artists, songwriters, composers, directors, producers, Scenographers theatre experience makers and teachers, enabling them to take on diverse professional roles across the creative industries. Assumed knowledge: Music 1 or AMEB (Grade 6 to 8 to pass) Admission requirements: Audition and/or interview are required for this degree. See website for more information. Combine this degree with*: • Bachelor of Arts	489814	Newcastle – City	3 yrs FT / 8 yrs PT
Bachelor of Visual Communication Design	62.00	Become a creative visual thinker with the Bachelor of Visual Communication Design. You'll sharpen your skills using our professional studios, labs and creative maker spaces while working with experts on real-world creative tasks or gaining vital industry experience. You'll graduate ready to be part of the dynamic and evolving creative industries with a portfolio that displays innovative visual thinking along with wide-ranging set of media skills. You'll be using your ideas to create the impossible, dream big and drive innovative change by tapping into visual and design training that will give you the edge in making and creating the art and media content of the future. Recommended studies: At least one of Visual Arts, Textiles and Design, Design and Technology or Industrial Technology	484650	Newcastle – City	3 yrs FT / 8 yrs PT

[^] Refer to degree information on website for further details.

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Education



See the website for more information about our degrees

Degree name	2023 SR		UAC Code	Location	Duration
Bachelor of Education (Early Childhood and Primary)	65.00	Teachers and education professionals have the power to change lives and shape young minds. If a rewarding career working with children sounds like a dream, then the Bachelor of Education (Early Childhood and Primary) degree is for you. Graduates qualify to work across a wide age range: • Preschool and early childhood (birth – 5 years): play a meaningful role in intellectual and social development during the crucial early years. • Primary school (kinder – year 6): work across the full scale of children's intellectual, physical and social development. Studying this degree prepares you for both teaching and non-teaching roles. Learn to work with families and children in various educational settings or play constructive roles in related industries such as policy development and research. Assumed knowledge: English (Standard or Advanced) and Mathematics (Standard or Advanced)	484750	Newcastle – Callaghan	4 yrs FT / 10 yrs PT
			484760	Central Coast – Ourimbah	
Bachelor of Education (Primary)	65.00	A Bachelor of Education (Primary) leads to a rewarding career as a Primary School Teacher (kinder – year 6). Primary education is the critical period where children cultivate life-long skills, helping them to grow and transition into young adults. Students graduate with the skills, knowledge and influence to nurture capable, confident and well-adjusted individuals. The University of Newcastle Primary Education graduates enjoy diverse careers as specialist teachers, leaders and education professionals across related sectors in Australia and around the world. Assumed knowledge: English (Standard or Advanced) and Mathematics (Standard or Advanced)	484800	Newcastle – Callaghan	4 yrs FT / 10 yrs PT
			484810	Central Coast – Ourimbah	
Bachelor of Education (Secondary)	65.00	Secondary teachers have the unique opportunity to nurture, teach and empower students at a critical period of their development. Learn how to inspire high school students to make the most of their education and excite their passions for the subjects you teach. Study a degree in secondary education, and you'll be at the forefront of tomorrow, helping to shape and enable future generations. Combine your passion for education with your chosen areas of interest – choose your teaching specialisations from a range of teaching areas. Gain in-depth knowledge, expertise, confidence, and the skills to be an exceptional teacher. Assumed knowledge: English (Standard or Advanced) and Mathematics (Standard or Advanced) Recommended studies: English (Standard or Advanced), Mathematics (Extension 1) (for Mathematics major) and study in the area of intended teaching area.	484860	Newcastle – Callaghan	4 yrs FT / 10 yrs PT
			484870	Central Coast – Ourimbah	
Diploma in Education Studies	50.00	Discover how you can make an impact in your community and empower the next generation. In the Diploma of Education Studies, you'll develop the knowledge, skills and dispositions necessary to aim for a career in teaching. You'll come to understand the profession of teaching, engage with various styles of teaching (pedagogy) and assessment, and explore how educators develop creative abilities in children. You'll learn about historical and contemporary education systems and care, including elements of education curriculum, policy and practice both in Australia and globally. Undertake specialised study in key learning areas including English, PDHPE and HSIE.	489825	Newcastle – Callaghan	1 yrs FT / 4 yrs PT
			489826	Central Coast – Ourimbah	



See the website for more information about our degrees

Engineering

Degree name	2023 SR		UAC Code	Location	Duration
Bachelor of Aerospace Systems Engineering (Honours)	75.00	Aerospace systems engineering involves a systems approach to the design, efficient operation and modification of high-tech devices for the aeronautical and defence industries. Aerospace systems engineers need to understand and control the response of aerospace vehicles and manage complex interactions between sensors, controllers, actuators and other aircraft subsystems. Aerospace systems engineering principles deal with the complementary design of aircraft subsystems to ensure they work in unison, without conflict and with the high levels of reliability required in aerospace operations. With the Bachelor of Aerospace Engineering, learn from industry leaders in a program developed in partnership with the Australian Defence Force and the Joint Strike Fighter program. Undertake hands-on learning and build your professional networks with 12 weeks of professional practice. Study at one of only three Australian member institutions of the Global Engineering Education Exchange Program (Global e3). Assumed knowledge: Mathematics (Advanced) (Band 5 or 6) and at least one science-related subject (Physics or Chemistry preferred) Recommended studies: Mathematics (Extension 1) Combine this degree with: • Bachelor of Mechanical Engineering (Honours) • Bachelor of Mechatronic Engineering (Honours)	482707	Newcastle – Callaghan	4 yrs FT / 10 yrs PT

Degree name	2023 SR		UAC Code	Location	Duration
Bachelor of Chemical Engineering (Honours)	75.00	<p>The University of Newcastle trains engineers capable of solving the greatest global challenges. As a Chemical Engineer, you will apply the fundamental principles of physics and chemistry to analyse and design processes, plants, and control systems for productivity, safety and sustainability. Chemical Engineering is about designing efficient processes to produce, utilise, transport and transform materials and energy. Chemical engineers work in a vast range of industries, including both large-scale industries such as mineral processing and energy generation, down to the production of consumer products such as food and cosmetics. Undertake hands-on learning and build your professional networks with 12 weeks of professional practice. Study at one of only three Australian member institutions of the Global Engineering Education Exchange Program (Global e3).</p> <p>Assumed knowledge: Mathematics (Advanced) (Band 5 or 6) and at least one science-related subject (Physics or Chemistry preferred)</p> <p>Recommended studies: Mathematics (Extension 1)</p> <p>Combine this degree with#:</p> <ul style="list-style-type: none"> • Bachelor of Business • Bachelor of Mathematics • Bachelor of Science 	482600	Newcastle – Callaghan	4 yrs FT / 10 yrs PT
Bachelor of Civil Engineering (Honours)	75.00	<p>Civil engineers are responsible for the physical infrastructure that enables modern societies to function. Buildings, bridges, highways and railways, tunnels, airports, water supply and wastewater capture and treatment facilities, power generation facilities and harbour facilities are all designed, built and managed by civil engineers. At the University of Newcastle, we educate our engineers to meet the global challenges of the future. With a Bachelor of Civil Engineering (Honours), you could engineer energy efficient buildings, or help develop sustainable and resilient infrastructure in developing countries. You might even design Australia's first high-speed train network to connect communities and reduce carbon emissions. Studying at the University of Newcastle will give you a competitive edge in the job market, with courses covering the three key civil specialisations: structural, water and geotechnical engineering. Undertake hands-on learning and build your professional networks with 12 weeks of professional practice. Study at one of only three Australian member institutions of the Global Engineering Education Exchange Program (Global e3).</p> <p>Assumed knowledge: Mathematics (Advanced) (Band 5 or 6) and at least one science-related subject (Physics or Chemistry preferred)</p> <p>Recommended studies: Mathematics (Extension 1)</p> <p>Combine this degree with#:</p> <ul style="list-style-type: none"> • Bachelor of Business • Bachelor of Environmental Engineering (Honours) • Bachelor of Mathematics • Bachelor of Surveying (Honours) 	482610	Newcastle – Callaghan	4 yrs FT / 10 yrs PT
Bachelor of Computer Systems Engineering (Honours)	75.00	<p>Computer systems engineers use digital and computing technologies to solve problems in industrial systems. As part of a Bachelor of Computer Systems Engineering (Honours), students will learn to combine creativity with technology to develop both hardware and software for electronic and information and communications technology (ICT) systems. These skills are essential in rapidly growing fields like the Internet of Things, autonomous vehicles, and machine learning. As part of the program, students will undertake hands-on learning and build their professional networks with 12 weeks of professional practice. Graduates have a unique skillset and may find themselves developing advanced computing hardware and software for diverse industrial sectors including intelligent transport, e-health, aviation, and civic infrastructure, which are the building blocks of modern society.</p> <p>Assumed knowledge: Mathematics (Advanced) (Band 5 or 6) and at least one science-related subject (Physics or Chemistry preferred)</p> <p>Recommended studies: Mathematics (Extension 1)</p> <p>Combine this degree with#:</p> <ul style="list-style-type: none"> • Bachelor of Computer Science • Bachelor of Electrical and Electronic Engineering (Honours) • Bachelor of Mathematics • Bachelor of Science 	482630	Newcastle – Callaghan	4 yrs FT / 10 yrs PT
Bachelor of Electrical and Electronic Engineering (Honours)	75.00	<p>Electrical and electronic engineers design and build systems and machines that automate, control, generate, transmit, measure, and use electrical energy essential to modern life. Electrical and electronic technologies are at the heart of our world and our future, including things like alternative energy systems, high speed wireless data communications, electrical transportation systems, micro and nanoelectronics, robotics and automation, and medical technologies. Electrical and electronic engineers work on both the hardware and software (the intelligence) behind the myriad of devices essential to address the needs of modern society. Undertake hands-on learning and build your professional networks with 12 weeks of professional practice. Study at one of only three Australian member institutions of the Global Engineering Education Exchange Program (Global e3).</p> <p>Assumed knowledge: Mathematics (Advanced) (Band 5 or 6) and at least one science-related subject (Physics or Chemistry preferred)</p> <p>Recommended studies: Mathematics (Extension 1)</p> <p>Combine this degree with#:</p> <ul style="list-style-type: none"> • Bachelor of Business • Bachelor of Computer Systems Engineering (Honours) • Bachelor of Mathematics • Bachelor of Mechatronics Engineering (Honours) • Bachelor of Science 	482640	Newcastle – Callaghan	4 yrs FT / 10 yrs PT

Combined degrees may have differences in selection ranks, durations and other criteria. Please see the website for specific information about each combined degree.

Engineering (Cont.)

Degree name	2023 SR		UAC Code	Location	Duration
Bachelor of Engineering (Mining Transfer Program)	75.00	When you study the Bachelor of Engineering (Mining Transfer program) you learn about the design, supervision and management of coal, mineral and metal mines and their associated infrastructure - with minimal damage to environments. You'll gain an understanding of civil and mining engineering concepts in preparation for a career as a professional engineer. This program involves two years of study at the University of Newcastle with the remaining two years undertaken at the University of New South Wales or the University of Wollongong. Undertake hands-on learning and build your professional networks with 12 weeks of professional practice. Study at one of only three Australian member institutions of the Global Engineering Education Exchange Program (Global e3). Assumed knowledge: Mathematics (Advanced) (Band 5 or 6) and at least one science-related subject (Physics or Chemistry preferred) Recommended studies: Mathematics (Extension 1)	482720	Newcastle – Callaghan	4 yrs FT / 10 yrs PT
Bachelor of Environmental Engineering (Honours)	75.00	As an environmental engineer you may help rehabilitate land impacted by mining or work on the clean-up of an oil spill that threatens ecosystems. You could even help prevent flooding of some of the world's fast-growing cities. Environmental engineers apply their knowledge of chemistry, geomechanics, hydrology and land surface processes to find solutions to complex environmental problems. With a Bachelor of Environmental Engineering (Honours), you'll be responsible for developing sustainable engineering practices that have a profound impact on health and quality of life – working with other specialists to optimise the use of resources and minimise long-term environmental impacts. Undertake hands-on learning and build your professional networks with 12 weeks of professional practice. Study at one of only three Australian member institutions of the Global Engineering Education Exchange Program (Global e3). Assumed knowledge: Mathematics (Advanced) (Band 5 or 6) and at least one science-related subject (Physics or Chemistry preferred) Recommended studies: Mathematics (Extension 1) Combine this degree with*: • Bachelor of Civil Engineering (Honours) • Bachelor of Science	482650	Newcastle – Callaghan	4 yrs FT / 10 yrs PT
Bachelor of Mechanical Engineering (Honours)	75.00	Mechanical engineers design, manufacture and optimise specialist machines and processes. They solve important problems using robotics, new advanced materials, the fundamental laws of energy generation and transmission and the computer control of physical systems – from nano to mega-tonne scale. They work on everything from power plants, to air conditioners, aircraft engines and race cars. With a Bachelor of Mechanical Engineering (Honours), you could design self-driving farm machinery for ultra-efficient food production, or build revolutionary biomechanical solutions for people with disabilities. Mechanical engineers are valued for their problem-solving ability and generalist knowledge across the different engineering disciplines and are often employed in discipline-agnostic roles as project managers, designers or advisors. Undertake hands-on learning and build your professional networks with 12 weeks of professional practice. Study at one of only three Australian member institutions of the Global Engineering Education Exchange Program (Global e3). Assumed knowledge: Mathematics (Advanced) (Band 5 or 6) and at least one science-related subject (Physics or Chemistry preferred) Recommended studies: Mathematics (Extension 1) Combine this degree with*: • Bachelor of Aerospace Systems Engineering (Honours) • Bachelor of Business • Bachelor of Mathematics • Bachelor of Mechatronics Engineering (Honours) • Bachelor of Science	482670	Newcastle – Callaghan	4 yrs FT / 10 yrs PT
Bachelor of Mechatronics Engineering (Honours)	75.00	The Bachelor of Mechatronics Engineering (Honours) focuses on the synergy of electrical, computer and mechanical technologies that lead to new solutions to industrial problems. You might build robots or unmanned aircraft, design bionic implants or even energy harvesting equipment. Mechatronics engineers are involved in the technical design, automation and operational performance of the electromechanical systems used in industries such as defence, advanced manufacturing, mining and health. Undertake hands-on learning and build your professional networks with 12 weeks of professional practice. Study at one of only three Australian member institutions of the Global Engineering Education Exchange Program (Global e3). Assumed knowledge: Mathematics (Advanced) (Band 5 or 6) and at least one science-related subject (Physics or Chemistry preferred) Recommended studies: Mathematics (Extension 1) Combine this degree with*: • Bachelor of Aerospace Systems Engineering (Honours) • Bachelor of Electrical and Electronic Engineering (Honours) • Bachelor of Mathematics • Bachelor of Mechanical Engineering (Honours)	482680	Newcastle – Callaghan	4 yrs FT / 10 yrs PT

Combined degrees may have differences in selection ranks, durations and other criteria. Please see the website for specific information about each combined degree.

Degree name	2023 SR		UAC Code	Location	Duration
Bachelor of Medical Engineering (Honours)	75.00	<p>Medical engineering is a new and exciting discipline of engineering spanning medicine, biomedical science and engineering. Medical engineers seek to improve human health through the development and design of equipment, devices, computer systems and software. A degree in medical engineering allows you to combine your interest in health and medicine with creativity and problem-solving to address health care challenges such as metabolic disorders, remote diagnostics, and health care accessibility. We offer the only medical engineering degree in NSW, so our graduates are uniquely placed to improve lives both locally and around the world. Undertake hands-on learning and build your professional networks with 12 weeks of professional practice. Study at one of only three Australian member institutions of the Global Engineering Education Exchange Program (Global e3).</p> <p>Assumed knowledge: Mathematics (Advanced) (Band 5 or 6) and at least one science-related subject (Physics or Chemistry preferred)</p> <p>Recommended studies: Mathematics (Extension 1)</p>	482690	Newcastle – Callaghan	4 yrs FT / 10 yrs PT
Bachelor of Renewable Energy Engineering (Honours)	75.00	<p>One of the biggest challenges humankind faces is the transition to a renewable energy economy. The success of this evolution depends on the creative solutions of a new generation of renewable energy engineers with specialised skills. Spanning the disciplines of chemical, electrical and mechanical engineering, the Bachelor of Renewable Energy Engineering (Honours) will equip you to work across the whole spectrum of technologies for renewable energy capture, conversion, storage, delivery and management. You'll also choose courses in related areas of climate change policy, law and economics and environmental sciences. Undertake hands-on learning and build your professional networks with 12 weeks of professional practice. Study at one of only three Australian member institutions of the Global Engineering Education Exchange Program (Global e3).</p> <p>Assumed knowledge: Mathematics (Advanced) (Band 5 or 6) and at least one science-related subject (Physics or Chemistry preferred)</p> <p>Recommended studies: Mathematics (Extension 1)</p>	482708	Newcastle – Callaghan	4 yrs FT / 10 yrs PT
Bachelor of Software Engineering (Honours)	75.00	<p>Software engineering is behind much of the everyday technology we take for granted – from our iPads, computer software and mobile phones through to digital televisions, computer games and online banking. With the Bachelor of Software Engineering (Honours), you might develop software for digital forensics analysis to help fight crime, or work in defence and combat cyber attacks. You could design wearable health management devices or write the software that powers e-commerce websites. Software engineers focus on analysing a client's needs. You will learn to design the best software architecture solutions, as well as to coordinate the implementation, integration and testing. Undertake hands-on learning and build your professional networks with 12 weeks of professional practice.</p> <p>Assumed knowledge: Mathematics (Advanced) (Band 5 or 6) and at least one science-related subject (Physics or Chemistry preferred)</p> <p>Recommended studies: Mathematics (Extension 1)</p>	482700	Newcastle – Callaghan	4 yrs FT / 10 yrs PT
Bachelor of Surveying (Honours)	75.00	<p>Our Bachelor of Surveying (Honours) degree is designed to train surveyors capable of meeting the biggest global surveying and town planning challenges. Surveyors specialise in the measurement, management, analysis and display of spatial information describing the earth and its physical features. The work of surveyors knows no bounds and could see you play an important role both locally and globally. With the Bachelor of Surveying (Honours), you could be involved in projects like the preparation for building of a new tunnel, or mapping of flood areas for disaster preparedness, or designing a new township or land development. Your work as a surveyor could even see you involved in the prediction of earthquakes and surveying of the ocean floor. Undertake hands-on learning and build your professional networks with 12 weeks of professional practice. This program is accredited by the Council of Reciprocating Surveyors Boards of Australia and New Zealand (CRSBANZ) and accepted by the Board of Surveying and Spatial Information of NSW (BOSSI) as a qualification for registration. This program is also accredited and recognised by the Land Surveyors Board, Malaysia, and the Singapore Institute of Surveyors and Valuers (Land Surveying Division).</p> <p>Assumed knowledge: Mathematics (Advanced) (Band 5 or 6) and preferably at least one science-related subject (Physics or Chemistry preferred)</p> <p>Recommended studies: Mathematics (Extension 1)</p> <p>Combine this degree with*:</p> <ul style="list-style-type: none"> • Bachelor of Business • Bachelor of Civil Engineering (Honours) 	482705	Newcastle – Callaghan	4 yrs FT / 10 yrs PT
Diploma in Engineering	50.00	<p>The Diploma in Engineering gives you a taste of engineering specialities to help you choose your engineering pathway. The program has a practical orientation, allowing students to develop their skills for further tertiary studies through real world projects and laboratories. It is also a great way to get into an undergraduate degree if you didn't quite meet the entry requirements. The Diploma in Engineering offers a guaranteed entry pathway into all disciplines of the Bachelor of Engineering (Honours) program where you can receive up to 80 units of credit.</p>	489920	Newcastle- Callaghan	1 yr FT/ 4 yrs PT

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See the website for more information about our degrees

Degree name	2023 SR		UAC Code	Location	Duration
Bachelor of Biomedical Science	70.00	Bachelor of Biomedical Science graduates have the knowledge and skills to contribute to the global advancement of medical research, practice and policy. You'll have the opportunity to study a wide range of courses that provide advanced theoretical knowledge in physiology, anatomy, biochemistry, medical genetics and immunology. The range of courses maximises flexibility enabling you to tailor your degree to your career aspirations in medical research, laboratory medicine or the health professions. Hands-on experience in our world-class clinical laboratories and industry environments is a key component of the Bachelor of Biomedical Science. Recommended studies: Mathematics (Standard or Advanced) and Chemistry and at least one of Physics or Biology	482100	Newcastle – Callaghan	3 yrs FT / 8 yrs PT
Bachelor of Medical Radiation Science (Honours) (Diagnostic Radiography)	85.00	Diagnostic radiography is an important first step to diagnosing, treating and managing injuries and disease. Through the Bachelor of Medical Radiation Science (Honours) (Diagnostic Radiography), you'll learn how to use sophisticated technology to create medical images and analyse and manage patient health. The Callaghan campus is equipped with an extensive Medical Imaging Suite that includes both Xray and Computed Tomography. This facility, opened in 2022, is an integral part of the undergraduate program. Diagnostic Radiographers work in a variety of public and private settings in metropolitan, regional and rural areas. The medical images you produce will allow accurate diagnosis and play an important role in improving patient outcomes in both acute and chronic presentations. Assumed knowledge: English (Standard or Advanced) and Mathematics (Standard or Advanced) or Physics	483355	Newcastle – Callaghan	4 yrs FT
Bachelor of Medical Radiation Science (Honours) (Nuclear Medicine)	71.00	As a Nuclear Medicine Scientist, you'll apply medical imaging technologies and radioactive chemical compounds (called radiopharmaceuticals) to image the function or physiology of the body. Nuclear Medicine Scientists use this knowledge to diagnose, treat and manage injuries and diseases such as sports injuries, cardiovascular disease and cancer in patients across their lifespan. As a medical science student, you will have access to world-class facilities and technology, such as our on-campus radiopharmacy laboratory, CT laboratory, and nuclear medicine image processing software. Assumed knowledge: English (Standard or Advanced) and Mathematics (Standard or Advanced) or Physics	483365	Newcastle – Callaghan	4 yrs FT
Bachelor of Medical Radiation Science (Honours) (Radiation Therapy)	71.00	Radiation therapy uses sophisticated radiation technology to target, shrink and destroy cancer cells. The University of Newcastle is a leading radiation therapy trainer and our graduates are sought after worldwide. As a Radiation Therapist you'll work in a multidisciplinary team to treat and manage cancer. You'll also have the opportunity to develop new techniques to improve patient outcomes. Studying a Bachelor of Medical Radiation Science (Honours) (Radiation Therapy) will set you on a path to make your mark on the world. You will have access to our world-class, purpose-built, medical science teaching facility on campus, which is one of the first of its kind globally. Assumed knowledge: English (Standard or Advanced) and Mathematics (Standard or Advanced) or Physics	483375	Newcastle – Callaghan	4 yrs FT
Bachelor of Medical Science and Doctor of Medicine (Joint Medical Program)	N/A [*]	Studying to be a doctor can be challenging but also very rewarding. Graduate in five years with two qualifications under your belt. The five-year JMP program provides students with the skills and knowledge to begin a career focused on helping restore, maintain and promote individual and community health in Australia and around the world. Some medical students will study at our new state-of-the-art Central Coast Clinical School, which is a nation-leading medical, nursing and midwifery teaching and education facility. The field of medicine is rapidly changing, with advances in technology and research enabling new therapies and improved patient outcomes. Doctors play an important role in multidisciplinary health teams, contributing expertise in the diagnosis and treatment of a range of health conditions. Recommended studies: English (Standard or Advanced) Entry requirements: There are additional entry requirements for this degree. See website for more information.	785000	Newcastle – Callaghan	5 yrs FT
Bachelor of Midwifery	78.00	As a Midwife, you'll be focused on caring for women, babies and their families during pregnancy, labour, birth and the early infancy period. You'll work with women and families to achieve the best health outcomes for mothers and their babies. Our Bachelor of Midwifery has been developed in partnership with, and supported by Local Health Districts so that our midwifery students provide direct clinical care under the supervision of a registered midwife. Assumed knowledge: English (Band 4 or higher), Mathematics (Standard) plus Biology or Chemistry	483400 489811 489828	Newcastle – Callaghan Central Coast – Gosford Mid-North Coast – Taree	3 yrs FT / 6 yrs PT
Bachelor of Nursing	63.00	As one of the most trusted professions, nurses make a real difference to the health and wellbeing of the community. Nurses work in a variety of environments, providing excellence in care to individuals, families, and communities. They are a highly employable workforce across Australia and around the world. Whichever career path you choose as a registered nurse, when you study a Bachelor of Nursing, you can be sure that you'll be making an important and meaningful contribution to society. Recommended studies: English (Standard or Advanced), Mathematics (Standard) and Biology and/or Chemistry	483600 483610 483620	Newcastle – Callaghan Central Coast – Gosford Mid-North Coast – Taree	3 yrs FT / 6 yrs PT

* ATAR + other selection criteria.

Combined degrees may have differences in selection ranks, durations and other criteria. Please see the website for specific information about each combined degree.

Degree name	2023 SR		UAC Code	Location	Duration
Bachelor of Nutrition and Dietetics (Honours)	70.00	Demand for Bachelor of Nutrition and Dietetics (Honours) graduates is growing as diet and nutrition-related diseases – such as heart disease, diabetes and obesity – become increasingly common worldwide. As a student, you'll have access to world-class researchers and educators, and will learn how to use the latest evidence to manage patient health and discover the powerful science of human nutrition. A career in nutrition and dietetics is immensely rewarding, as you help people understand how nutrition and health are intertwined. You'll help prevent disease, improving overall health in your community and worldwide. Recommended studies: Chemistry	483650	Newcastle – Callaghan	4 yrs FT
Bachelor of Occupational Therapy (Honours)	87.00	Do you want to support people and communities to overcome challenges, do things that are meaningful and important to them and get the most out of life? The work of an Occupational Therapist is incredibly broad. With the Bachelor of Occupational Therapy (Honours), work with people across the lifespan and in a variety of settings. You will use ongoing assessment to understand what people can and want to do and what limitations they are experiencing. You will provide advice, techniques, equipment and support to enable people to safely and effectively engage in taking care of themselves and others. Recommended studies: Biology and Mathematics (Standard or Advanced)	483700	Newcastle – Callaghan	4 yrs FT
Bachelor of Oral Health Therapy	85.00	As an Oral Health Therapist, you'll work closely with dental practitioners to provide a range of preventive and restorative procedures like cleaning, scaling, polishing, dental x-rays, simple restorations and the extraction of primary teeth. The Bachelor of Oral Health Therapy program is the only one in NSW that provides dual qualifications in dental hygiene and dental therapy, with the scope of practice qualifying you to treat both children and adults. Recommended studies: Chemistry and Biology	483750	Central Coast – Ourimbah	3 yrs FT
Bachelor of Pharmacy (Honours)	70.00	Pharmacists play an integral role in the provision of healthcare services. As a Pharmacist, you'll be on the industry frontline – counselling people on the best use and management of medications. When you study a Bachelor of Pharmacy (Honours), you'll learn how to 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 wellbeing matters. Assumed knowledge: Mathematics (Extension 1 or 2) or Mathematics (Band 5 or 6), English (Advanced), Chemistry and Physics	483800	Newcastle – Callaghan	4 yrs FT
Bachelor of Physiotherapy (Honours)	95.00	Bachelor of Physiotherapy (Honours) graduates work with people of all ages to help them stay well and maintain their function, independence and quality of life. You'll study evidence-based physiotherapy clinical skills and develop capabilities in critical thinking, problem-solving, communication and lifelong learning. Physiotherapy graduates work in various public and private settings including hospitals, rehabilitation and community centres, aged care, with sporting teams and in private practice. The Bachelor of Physiotherapy (Honours) integrates academic theory with extensive practical experience to produce graduates who are ready to meet the challenges of the changing healthcare system. Assumed knowledge: Chemistry, English (Advanced) and at least one of Physics or Biology	483850	Newcastle – Callaghan	4 yrs FT
Bachelor of Podiatry	70.00	The Bachelor of Podiatry will be a new four-year joint degree with Western Sydney University in Australia. As a podiatrist, you'll help patients get back on their feet by diagnosing, treating and preventing lower leg and foot problems and promoting good health. You could find yourself managing sports injuries and complex lower limb complications in people with chronic disease, addressing developmental issues in children or helping restore a person's independence and mobility. You will be exposed to the latest technology and evidence practice in treating a wide range of podiatric pathologies. By the end of your training, you will be eligible to prescribe a range of medications to treat different podiatric conditions. There is an urgent need for more podiatry in the community, our graduates are highly employable thanks to our world-class podiatry program (>90% employment rate in the first 4 months). Assumed knowledge: Chemistry and Mathematics (Standard or Advanced)	483900	Central Coast – Ourimbah	4 yrs FT
Bachelor of Speech Pathology (Honours)	70.00	Speech Pathologists are allied health professionals responsible for the assessment and treatment of communication and swallowing disorders across the lifespan. You will develop competencies and skills to confidently assess, diagnose and treat a range of conditions including, but not limited to developmental speech and language disorders, swallowing and feeding disorders, stuttering, voice disorders, neurodevelopmental conditions such as cerebral palsy, acquired conditions such as stroke and head injury, and neurological conditions like Parkinson's disease. When you undertake a Bachelor of Speech Pathology (Honours) at the University of Newcastle, you'll have the opportunity to study with award-winning researchers and gain an understanding of the profession through substantial clinical experience. Recommended studies: Biology, Chemistry, Mathematics (Standard or Advanced) and English (Advanced)	484150	Newcastle – Callaghan	4 yrs FT / 10 yrs PT



See the website for more information about our degrees

Degree name	2023 SR		UAC Code	Location	Duration
Bachelor of Arts	62.00	<p>Enrich your mind, diversify your skills and safeguard your future with our new work-ready arts degree at the University of Newcastle. Forge your own path by choosing from 12 majors (including 8 majors offered entirely online) and 21 minors, as well as 100s of courses in the arts and humanities. If you're hungry for knowledge, an arts degree will allow you to turn your interests into a meaningful career. Study a range of courses to better understand and appreciate the world around you, and what it means to be human. Explore ideas, theories and records of the human experience while learning about society, culture, history, language, media, politics and more.</p> <p>Recommended studies: English (Advanced) (for all majors) and Mathematics (Standard or Advanced) (for Psychology Studies major)</p> <p>Combine this degree with*:</p> <ul style="list-style-type: none"> • Bachelor of Innovation and Entrepreneurship Combined • Bachelor of Laws (Honours) Combined • Bachelor of Music and Performing Arts • Bachelor of Science 	482010	Newcastle – Callaghan	3 yrs FT / 8 yrs PT
			482040	Online	
Bachelor of Development Studies	68.00	<p>Development, poverty, inequality and environmental sustainability are some of the most important issues in the world today. You'll focus on key global issues in local, national or international contexts. You could find yourself employed by the Federal Department of Foreign Affairs and Trade, working with other countries to be more competitive in international trade. On a local level, you could work with Indigenous communities and natural resource managers to more effectively care for Country. Or you could help plan our cities and regions to create more just places for people to live. No matter your focus, when you study a Bachelor of Development Studies you'll go on to make a positive difference in the world. Diversify your studies with the choice of four majors, and develop a global mindset with options to travel abroad while studying. You will have the opportunity to undertake 140 hours of work placement, making you a job-ready graduate upon completion of your degree.</p> <p>Combine this degree with*:</p> <ul style="list-style-type: none"> • Bachelor of Business • Bachelor of Global Indigenous Studies • Bachelor of Laws (Honours) Combined • Bachelor of Media and Communication • Bachelor of Social Science 	482550	Newcastle – Callaghan	3 yrs FT / 8 yrs PT
Bachelor of Global Indigenous Studies	62.00	<p>Do you want to work effectively with local and global communities using Indigenous knowledge systems to respond to ecological, social and economic challenges? The Wollotuka Institute within the University of Newcastle is committed to the advancement of Indigenous education at a local, national and international level. You could find yourself in a range of vocations that require social innovation and digital excellence, utilising critical Indigenous knowledge to address pressing global issues. This degree is designed to deliver culturally secure and innovative social advocates and is open to all students.</p> <p>Combine this degree with*:</p> <ul style="list-style-type: none"> • Bachelor of Development Studies • Bachelor of Laws (Honours) Combined 	482001	Newcastle – Callaghan	3 yrs FT / 8 yrs PT
			482002	Online	
Bachelor of Social Science	62.00	<p>Make your mark on the world by crafting new solutions to various social challenges. By studying our Bachelor of Social Science degree, you will gain an empowering qualification that leads to rewarding careers in diverse fields. This degree will see you develop cultural sensitivity, ethical awareness and a solid understanding of the systems that define our world. Social Science is the study of social relationships, structures and issues. Through core and directed courses, you will learn to analyse, challenge and gain insight into globally significant theories about gender, class, race, crime, illness and health, work, social justice and social organisation. You will also explore the exciting complexities of the human social experience and learn to apply the research methodologies of social science to the societies in which we exist.</p> <p>Recommended studies: English (Advanced) and Mathematics (Standard or Advanced) (for Psychology Studies major)</p> <p>Combine this degree with*:</p> <ul style="list-style-type: none"> • Bachelor of Development Studies • Bachelor of Laws (Honours) Combined • Bachelor of Psychological Science 	484050	Newcastle – Callaghan	3 yrs FT / 8 yrs PT
			484060	Central Coast – Ourimbah	

Degree name	2023 SR		UAC Code	Location	Duration
Bachelor of Social Work (Honours)	65.00	Studying social work will equip you with the skills to make a difference and impact people's lives. Social workers are concerned with personal and social relationships between individuals, families, groups, organisations and communities. They seek to relieve distress, redress inequality, promote social justice and participate in the processes of social change which remove structural disadvantage and create opportunities for people to achieve their own goals. The Bachelor of Social Work (Honours) is an experience-based degree program that will prepare you for a professional career as a social worker. There is a strong demand for qualified Social Workers and job opportunities are broad and incredibly rewarding. Recommended studies: At least one of English (Standard or Advanced), Society and Culture, Community and Family Studies or Languages	484100	Newcastle – Callaghan	4 yrs FT / 10 yrs PT
			484110	Central Coast – Ourimbah	
Diploma in Arts and Social Science	50.00	There is so much to explore in arts and social sciences, and even more career pathways for you to follow. Find your special interests or develop diverse skills across a broad range of subjects including Indigenous studies, communication, criminology, sociology and anthropology, geography, history, linguistics, human services and international studies. Whether you want to become a journalist, community development manager, anthropologist, or cultural heritage conservationist, the Diploma in Arts and Social Sciences will help you get there.	489816	Newcastle – Callaghan	1 yrs FT / 4 yrs PT
			489817	Central Coast – Ourimbah	
Diploma in Languages	N/A [^]	Language graduates often cite great personal satisfaction as one of the many rewards. Proficiency in other languages will enrich your personal growth and develop in-demand skills, opening many doors to diverse careers and unique opportunities. As part of this exciting diploma, students will be able to study a range of languages including Chinese, French, German, Indonesian, Japanese, Australian Indigenous Languages and Australian Sign Language, either alongside your undergraduate degree or as a standalone program. You will learn how to read, write and speak the language of your choice, while learning more about the relevant culture.	489980	Newcastle – Callaghan	2-6 yrs PT
			489981	Online	



See the website for more information about our degrees

Law

Degree name	2023 SR		UAC Code	Location	Duration
Bachelor of Criminology	62.00	If you're interested in how individuals and societies are regulated, legal, psychological and social responses to crime, and preventing crime, the Bachelor of Criminology is for you. This program draws on Criminology, Psychology and Legal Studies to give you an in-depth understanding of crime, with a strong focus on social justice. This is a practical, hands-on degree that will qualify you to work in criminal justice and allied fields, including careers in law enforcement, courts and corrections, policy, victim's advocacy, human welfare and more. All students will undertake a core placement course in their third year (internal or external) with a host institution relevant to their career aspirations. Recommended studies: English (Advanced) and Mathematics (Standard or Advanced) (for Psychology Studies major) Combine this degree with*: • Bachelor of Laws (Honours) Combined • Bachelor of Psychological Science	484895	Newcastle – Callaghan	3 yrs FT / 8 yrs PT
Bachelor of Laws (Honours) Combined	85.00	Our Bachelor of Laws (Honours) Combined degree is your entry to a career as a lawyer, or a range of other professions where a passion for justice and attention to detail are key. This degree is offered as a combined program, which means you'll undertake your degree in conjunction with another degree and receive two qualifications in only five years of study. The School of Law and Justice runs a unique Practice Program that integrates the academic study of law with hands-on clinical experience and practical training. Students work with real clients under the supervision of legal practitioners at the University of Newcastle Legal Centre. Combine this degree with*: • Bachelor of Arts • Bachelor of Biomedicine • Bachelor of Business • Bachelor of Commerce • Bachelor of Criminology • Bachelor of Development Studies • Bachelor of Global Indigenous Studies • Bachelor of Innovation and Entrepreneurship Combined • Bachelor of Media and Communication • Bachelor of Psychological Science • Bachelor of Science • Bachelor of Social Science • Diploma of Legal Practice	483100	Newcastle – Callaghan and City Campus	5 yrs FT

Combined degrees may have differences in selection ranks, durations and other criteria. Please see the website for specific information about each combined degree.



Degree name	2023 SR		UAC Code	Location	Duration
Bachelor of Biotechnology	65.00	Imagine using living organisms to modify products for the better – Biotechnology harnesses the natural biochemical and genetic processes of living organisms to benefit the modern world. When you study a Bachelor of Biotechnology, you'll help to develop technologies that improve our communities and the health of our planet. You might even be the researcher that develops a super crop that can survive harsh climates and feed the hungry. The products of biotechnology are all around us and you can be at the forefront of scientific development and discovery. Undertake 10 weeks of full-time industry placement to become a job-ready graduate upon completion of your degree. Graduates may apply for membership to AusBiotech, the Australia Institute of Biology, and the Australian Society of Biochemistry and Molecular Biology. Assumed knowledge: Mathematics (Standard) and Chemistry Recommended studies: Physics	482150	Newcastle – Callaghan	3 yrs FT / 8 yrs PT
Bachelor of Climate Science and Adaptation	65.00	The impacts of climate variability and climate change are affecting our lives like never before. The Bachelor of Climate Science and Adaptation is a specialised degree which will allow you to turn your passion into practice. It will provide you with fundamental tools to tackle the many challenges associated with quantifying and dealing with climate-related risks. You will learn how to assess the impacts of climate variability and change. You will also learn how to develop adaptation strategies (e.g. infrastructure, planning policy) that not only reduce the economic, environmental, and social costs of climate hazards, but are also optimal and robust across a range of plausible futures. As part of this degree, you have the opportunity to tailor your studies to meet your career aspirations through elective pathways. Complete a major capstone project in your final year of study. Assumed knowledge: Mathematics (Standard) Recommended studies: At least one of Biology, Chemistry, Earth and Environmental Science or Physics	484875	Newcastle – Callaghan	3 yrs FT / 8 yrs PT
Bachelor of Coastal and Marine Science	65.00	Are you a lover of the ocean? A passionate conservationist who wants to make sure our marine environment is sustained for years to come? Australia is home to some of the most unique and diverse coastlines and marine ecosystems in the world and we need to make sure they remain protected. By understanding the conservation and management issues they face – such as climate change, pollution and overfishing – we can help find solutions to these problems. When you study a Bachelor of Coastal and Marine Science, you'll be learning from experts in marine, coastal and ecological fields – giving you practical skills to make a difference in our world. Through professional pathways, students can tailor their program to meet their career aspirations. By engaging with work-integrated learning, students can gain recognised certifications such as boat, radio operator and drone licences. Assumed knowledge: Mathematics (Standard) Recommended studies: At least one of Biology, Chemistry or Earth and Environmental Science	484026 484036	Newcastle – Callaghan Central Coast – Ourimbah	3 yrs FT / 8 yrs PT
Bachelor of Environmental Science and Management	65.00	If you want to contribute to solving the environmental problems facing our society, and have a passion for sustainability, then the Bachelor of Environmental Science and Management is for you. The University of Newcastle is centrally situated to give you hands-on experience in areas of vast environmental diversity, from terrestrial landscapes, to wetlands and coastal zones. We offer the perfect environment for you to gain an understanding of the critical issues placing a growing strain on the Earth's natural resources and develop tactics to combat them. You'll learn to understand and combat the critical issues placing a growing strain on the earth's natural resources such as climate change, human impacts, and the biodiversity crisis. Diversify your study experience by choosing one of four environmental science majors and undertaking 140 hours of work placement in your final year of study. Assumed knowledge: Mathematics (Standard) and at least one of Chemistry, Biology or Earth and Environmental Science Combine this degree with*: • Bachelor of Business	482750 482760	Newcastle – Callaghan Central Coast – Ourimbah	3 yrs FT / 8 yrs PT
Bachelor of Exercise and Sport Science	63.00	People exercise for a range of reasons, from maintaining or improving health and fitness, to improving performance in recreational or elite sports. Exercise and sport science is an inspiring and rapidly evolving field that explores how best to prescribe and deliver exercise for health and performance benefits. When you study a Bachelor of Exercise and Sport Science at the University of Newcastle, you will benefit from a comprehensive approach to learning about all aspects of physical health for the entire population. We have a globally recognised Bachelor of Exercise and Sport Science program that encompasses all aspects of physical health, delivered through a combination of online and face-to-face teaching. Graduates of this program are eligible for accreditation with Exercise and Sport Science Australia Assumed knowledge: At least two of Biology, Chemistry, Mathematics (Standard or Advanced) or Physics Recommended studies: Personal Development, Health and Physical Education (PDHPE)	482800	Central Coast – Ourimbah	3 yrs FT / 8 yrs PT

Degree name	2023 SR		UAC Code	Location	Duration
Bachelor of Food Science and Human Nutrition	65.00	As new trends and challenges in society drive change in our food systems, the specialty areas of food science and human nutrition require people with a passion for innovative thinking. As a food and nutrition scientist, you could work with fresh or processed foods, developing new products, or analysing existing ones, to ensure that they are nutritionally balanced, safe to eat, environmentally friendly, cost-effective, and desirable to purchase. With a Bachelor of Food Science and Human Nutrition, you'll stay up to date on the latest scientific developments and be equipped with the specialist knowledge and skills needed for a successful career in the food science, health and nutrition industries. Our purpose-built food science facilities at the Central Coast campus include a modern food innovation centre and sensory lab which will allow you to analyse and test food quality as well as develop new food products. Graduates of the program are eligible to apply for membership with the Australian Institute of Food Science and Technology (AIFST), the Institute of Food Technologists (IFT) and registration with the Nutrition Society of Australia (NSA). Recommended studies: Chemistry, Biology and Mathematics (Standard) Combine this degree with*: • Bachelor of Business	482900	Central Coast – Ourimbah	3 yrs FT / 8 yrs PT
Bachelor of Psychological Science	65.00	Psychology is the scientific study of human behaviour, the human brain and its effect on the way we act and why. Our understanding of human behaviour is used to solve practical problems that will positively impact the lives of others. This fascinating area of study covers a broad range of areas such as mental illness, interventions, the biology of the brain, memory, decision making, as well as developmental, social and personality studies. The Bachelor of Psychological Science can be applied in a broad range of industry sectors, enabling you to choose the career path that's right for you. The Bachelor of Psychological Science is accredited by the Australian Psychology Accreditation Council and approved by the Psychology Board of Australia. Assumed knowledge: Mathematics (Standard) Recommended studies: Biology Combine this degree with*: • Bachelor of Business • Bachelor of Criminology • Bachelor of Laws (Honours) Combined • Bachelor of Media and Communication • Bachelor of Social Science	483970 483980	Newcastle – Callaghan Central Coast – Ourimbah	3 yrs FT / 8 yrs PT
Bachelor of Psychological Science (Advanced)	90.00	The University of Newcastle's Bachelor of Psychological Science (Advanced) is for those who are interested in using science to understand how people think, feel and behave. This degree is for those that are inspired to build new knowledge and discover new things using a variety of scientific methods. The Bachelor of Psychological Science (Advanced) will not only help you deepen your understanding of theoretical methodologies – but with opportunities to participate in Work Integrated Learning (WIL) solving real world problems, you'll develop valuable connections with industry and other professionals to improve employment outcomes when you graduate. With this program, join a high achieving cohort that you will study alongside through a series of specifically designed advanced courses. This fascinating and evolving field will prepare you to work in a broad range of industries where you can positively impact the lives of others. Assumed knowledge: Mathematics (Advanced) Recommended studies: Biology	483975	Newcastle – Callaghan	3 yrs FT / 8 yrs PT
Bachelor of Science	65.00	Science is about asking new questions – and then answering them. The immense field of science is exciting and always evolving. It underpins areas such as technology, industry, business, agriculture, environment, research and development, health, and the information revolution. The Bachelor of Science gives you the opportunity to learn from leading science researchers who will guide you through a tailored program, specifically designed to give you the skills that employers are seeking. Develop practical business and communication skills that will complement and enhance your science knowledge. Build networks and communication skills with opportunities to participate in Work Integrated Learning (WIL) and industry engagement. These skills will make you a highly skilled and employable science graduate who will contribute solutions to the scientific challenges we are facing. Assumed knowledge: Mathematics (Standard) Recommended studies: At least one of Biology, Chemistry, Physics or Earth and Environmental Science Combine this degree with*: • Bachelor of Arts • Bachelor of Chemical Engineering (Honours) • Bachelor of Computer Systems Engineering (Honours) • Bachelor of Electrical and Electronic Engineering (Honours) • Bachelor of Environmental Engineering (Honours) • Bachelor of Innovation and Entrepreneurship • Bachelor of Laws (Honours) Combined • Bachelor of Mathematics • Bachelor of Mechanical Engineering (Honours) • Bachelor of Social Science	484020 484030	Newcastle – Callaghan Central Coast – Ourimbah	3 yrs FT / 8 yrs PT

Combined degrees may have differences in selection ranks, durations and other criteria. Please see the website for specific information about each combined degree.

Science and the Environment (Cont.)

Degree name	2023 SR		UAC Code	Location	Duration
Bachelor of Science (Advanced)	90.00	The University of Newcastle's Bachelor of Science (Advanced) is for those who are interested in understanding the world around us, how it works, and are inspired to build new knowledge and discover new things. Gone are the days of the stereotypical scientist – in today's society, scientists need to work across research, industry and discipline boundaries to create solutions to the world's most complex issues. You might work in a lab, discovering life-changing scientific breakthroughs, or use science to shape government policy. The Bachelor of Science (Advanced) will allow you to join a high achieving cohort and create your own academic adventure. Tailor your majors and professional pathways to achieve your career goals. You'll have access to specialised mentoring, and opportunities to participate in Work Integrated Learning (WIL) and industry engagement. Assumed knowledge: Mathematics (Advanced) Recommended studies: At least one of Biology, Chemistry, Physics or Earth and Environmental Science	484025	Newcastle – Callaghan	3 yrs FT / 8 yrs PT
			484035	Central Coast – Ourimbah	
Diploma in Environmental Science	50.00	If you have a passion for science, sustainability and want to play a part in solving the environmental problems facing our society, then the Diploma in Environmental Science is a great place to start. You'll learn to understand and combat the critical issues placing a growing strain on the earth's natural resources such as climate change, human impacts, and the biodiversity crisis. Choose to study across a range of disciplines including ecosystems, human geography, oceans and environmental values and ethics.	489829	Newcastle – Callaghan	1 yrs FT / 4 yrs PT
			489830	Central Coast – Ourimbah	
Diploma in Science	50.00	If you have a passion for science and want to explore your interests further and make an impact, then the Diploma in Science is a great place to start. Through fieldwork and lab work you'll have plenty of opportunities to help make life-changing discoveries. Choose to study across a range of disciplines including biodiversity and conservation, biology, biotechnology, chemistry, food science, geography, earth science and psychology.	489822	Newcastle – Callaghan	1 yrs FT / 4 yrs PT
			489823	Central Coast – Ourimbah	

Early Entry Program

Feeling overwhelmed about the HSC? Our new Early Entry Program means you can receive an offer to the University of Newcastle before the HSC. Apply for FREE, and we'll connect you with a mentor who can answer your questions, help you prepare for the HSC, and help you settle into uni.

Early Entry Program benefits include:

- HSC study support to help you achieve the best results from year 12
- Free preparation courses to make sure you get the most out of uni
- Invitation to VIP events throughout the year
- Invitation to our student leadership program

Begin your HSC exams feeling confident about your future.

Find out more newcastle.edu.au/early



How to apply

Applying to study at the University of Newcastle is an easy process.

Before you start your application, you'll need to have information on hand:

- If you have recently left school, you will have a Unique Student Identifier (USI). You can obtain one at usi.gov.au/students/get-a-usi.
- If you have not recently left school, you can use your UAC number and PIN.

1. Choose the degree you want to study

Firstly, choose the degree you'd like to study most. To find a degree that interests you, head to our website to view all our degrees at newcastle.edu.au/degrees.

Not quite sure what you'd like to study? Our degree comparison tool will help you compare degrees and decide. Check it out at newcastle.edu.au/degrees/compare.

Some degrees have special requirements for entry, check the degree pages for details.

2. Apply through UAC

Applications for undergraduate degrees are submitted online through UAC at uac.edu.au/future-applicants/how-to-apply-for-uni.

You can select up to five degrees to add to your UAC preferences list. You can change the order of your preferences during each offer round by logging in to UAC.

The first degree in your preferences list should be the degree you want to study most. Preferences two to five are your back-up options, so choose degrees that are similar, have a lower selection rank, or consider adding in an alternate entry pathway such as a Diploma or Open Foundation.

If you are interested in receiving an early offer, we have introduced a new Early Entry Program. Visit newcastle.edu.au/early for more information. You can also apply for the Schools Recommendation Scheme (SRS) through the SRS application in UAC.

Remember to check the UAC website (uac.edu.au) for key dates to ensure you apply on time.

3. Accept your offer

You'll get an email from us outlining your offer and how to accept it. When you receive an offer, you'll have 7 days to accept, so make sure you are checking your emails. For semester one (February 2024), early offers can be made from September and the last round of offers will be made in February 2024.



Need more information?
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newcastle.edu.au/signup



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University of Newcastle

Open Days

Each year we invite you to spend the day with us at our annual Open Days. These events give you the chance to explore our campuses and experience a taste of life at university. You can chat to current students and staff about student support services as well as degrees and study options. If you can't make it to an Open Day, you can always check out our Open Days Online site where we've put together webinars and on-demand videos to help you find all the information you're looking for.

newcastle.edu.au/open-day

The University of Newcastle reserves the right at all times to withdraw or vary degrees listed within this publication. Entry schemes are also subject to change. 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.

All information is correct as of January 2023, but is subject to change as degree content is reviewed and updated. For the most up-to-date information visit **newcastle.edu.au**

Future career and industry projections are sourced from Australian Government Job Outlook (joboutlook.gov.au).

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