

2025 Undergraduate degrees



THE UNIVERSITY OF
NEWCASTLE
AUSTRALIA



Contents

3	2025 Undergraduate degrees
6	Career ideas
7	There is a place for you
9	Welcome to the University of Newcastle
10	Commitment to equity
12	Life-ready graduates
14	Career-ready placements
16	Inspired learning
18	Entrepreneurial opportunities
20	Global experiences
22	Where you'll study
24	Live like a local
26	Student life
28	Accommodation
30	Entry options
32	Pathways to University
34	How to apply
35	Scholarships
36	Uni speak
37	Study options
38	Architecture and Construction
40	Business and Management
43	Computing, Maths and Technology
46	Creative Industries and Communication
48	Education
50	Engineering
56	Health and Medicine
62	Humanities and Social Sciences
65	Law
67	Science and the Environment

The University of Newcastle acknowledges the traditional custodians of the lands within our footprint areas: Awabakal, Darkinjung, Biripai, Worimi, Wonnarua, Gomeri 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.

2025 Undergraduate Degrees

Architecture and Construction

38

Degree Name	Duration	2024 SR	Page
Bachelor of Construction Management (Building) (Honours)	4 yrs FT / 10 yrs PT	65.00	39
Bachelor of Design (Architecture)	3 yrs FT / 8 yrs PT	65.00	39
Diploma in Built Environment	1 yr FT / 4 yrs PT	50.00	N/A ^a

Business and Management

40

Degree Name	Duration	2024 SR	Page
Bachelor of Business	3 yrs FT / 8 yrs PT	62.00	41
Bachelor of Business Analytics	3 yrs FT / 8 yrs PT	62.00	41
Bachelor of Commerce	3 yrs FT / 8 yrs PT	62.00	41
Bachelor of Innovation and Entrepreneurship Combined	4 yrs FT / 10 yrs PT	N/A ^a	42
Bachelor of Tourism, Hospitality and Events	3 yrs FT / 8 yrs PT	62.00	42
Diploma in Business	1 yr FT / 4 yrs PT	50.00	N/A ^a

Combined degrees

- Bachelor of Arts/Bachelor of Innovation and Entrepreneurship
- Bachelor of Business/Bachelor of Business Analytics
- Bachelor of Business/Bachelor of Commerce
- Bachelor of Business/Bachelor of Innovation and Entrepreneurship
- Bachelor of Business/Bachelor of Laws (Honours)
- Bachelor of Chemical Engineering (Honours)/Bachelor of Business
- Bachelor of Civil Engineering (Honours)/Bachelor of Business
- Bachelor of Commerce/Bachelor of Business Analytics
- Bachelor of Commerce/Bachelor of Innovation and Entrepreneurship
- Bachelor of Commerce/Bachelor of Laws (Honours)
- Bachelor of Development Studies/Bachelor of Business
- Bachelor of Electrical and Electronic Engineering (Honours)/Bachelor of Business
- Bachelor of Environmental Science and Management/Bachelor of Business
- Bachelor of Food Science and Human Nutrition/Bachelor of Business
- Bachelor of Information Technology/Bachelor of Business
- Bachelor of Innovation and Entrepreneurship/Bachelor of Laws (Honours)
- Bachelor of Mechanical Engineering (Honours)/Bachelor of Business
- Bachelor of Psychological Science/Bachelor of Business
- Bachelor of Science/Bachelor of Innovation and Entrepreneurship
- Bachelor of Surveying (Honours)/Bachelor of Business

Computing, Maths and Technology

43

Degree Name	Duration	2024 SR	Page
Bachelor of Computer Science	3 yrs FT / 8 yrs PT	65.00	44
Bachelor of Data Science	3 yrs FT / 8 yrs PT	70.00	44
Bachelor of Information Technology	3 yrs FT / 8 yrs PT	65.00	44
Bachelor of Mathematics	3 yrs FT / 8 yrs PT	75.00	45
Bachelor of Mathematics (Advanced)	3 yrs FT / 8 yrs PT	90.00	45
Diploma in Data Analytics	1 yr FT / 4 yrs PT	50.00	N/A ^a
Diploma in Information Technology	1 yr FT / 4 yrs PT	50.00	N/A ^a

Combined degrees

- Bachelor of Chemical Engineering (Honours)/Bachelor of Mathematics
- Bachelor of Civil Engineering (Honours)/Bachelor of Mathematics
- Bachelor of Computer Systems Engineering (Honours)/Bachelor of Computer Science
- Bachelor of Computer Systems Engineering (Honours)/Bachelor of Mathematics
- Bachelor of Data Science/Bachelor of Computer Science
- Bachelor of Data Science/Bachelor of Mathematics
- Bachelor of Electrical and Electronic Engineering (Honours)/Bachelor of Mathematics
- Bachelor of Information Technology/Bachelor of Business
- Bachelor of Mathematics/Bachelor of Science
- Bachelor of Mechanical Engineering (Honours)/Bachelor of Mathematics
- Bachelor of Mechatronics Engineering (Honours)/Bachelor of Mathematics

Creative Industries and Communication

46

Degree Name	Duration	2024 SR	Page
Bachelor of Media and Communication	3 yrs FT / 8 yrs PT	62.00	47
Bachelor of Music and Performing Arts	3 yrs FT / 8 yrs PT	N/A ^a	47
Bachelor of Visual Communication Design	3 yrs FT / 8 yrs PT	62.00	47

Combined degrees

- Bachelor of Media and Communication/Bachelor of Psychological Science
- Bachelor of Music and Performing Arts/Bachelor of Arts
- Bachelor of Media and Communication/Bachelor of Development Studies
- Bachelor of Media and Communication/Bachelor of Laws (Honours)

Education

48

Degree Name	Duration	2024 SR	Page
Bachelor of Education (Early Childhood and Primary)	4 yrs FT / 10 yrs PT	65.00	49
Bachelor of Education (Primary)	4 yrs FT / 10 yrs PT	65.00	49
Bachelor of Education (Secondary)	4 yrs FT / 10 yrs PT	65.00	49
Diploma in Education Studies	1 yr FT / 4 yrs PT	50.00	N/A ^a

Engineering

50

Degree Name	Duration	2024 SR	Page
Bachelor of Aerospace Systems Engineering (Honours)	4 yrs FT / 10 yrs PT	75.00	51
Bachelor of Chemical Engineering (Honours)	4 yrs FT / 10 yrs PT	75.00	51
Bachelor of Civil Engineering (Honours)	4 yrs FT / 10 yrs PT	75.00	51
Bachelor of Computer Systems Engineering (Honours)	4 yrs FT / 10 yrs PT	75.00	52
Bachelor of Electrical and Electronic Engineering (Honours)	4 yrs FT / 10 yrs PT	75.00	52
Bachelor of Engineering (Mining Transfer Program)	4 yrs FT / 10 yrs PT	75.00	52
Bachelor of Environmental Engineering (Honours)	4 yrs FT / 10 yrs PT	75.00	53
Bachelor of Mechanical Engineering (Honours)	4 yrs FT / 10 yrs PT	75.00	53
Bachelor of Mechatronics Engineering (Honours)	4 yrs FT / 10 yrs PT	75.00	53
Bachelor of Medical Engineering (Honours)	4 yrs FT / 10 yrs PT	75.00	54
Bachelor of Renewable Energy Engineering (Honours)	4 yrs FT / 10 yrs PT	75.00	54
Bachelor of Software Engineering (Honours)	4 yrs FT / 10 yrs PT	75.00	54
Bachelor of Surveying (Honours)	4 yrs FT / 10 yrs PT	75.00	55
Diploma in Engineering	1 yr FT / 4 yrs PT	50.00	N/A ^a

Combined degrees

- Bachelor of Aerospace Systems Engineering (Honours)/ Bachelor of Mechanical Engineering (Honours)
- Bachelor of Aerospace Systems Engineering (Honours)/ Bachelor of Mechatronics Engineering (Honours)
- Bachelor of Chemical Engineering (Honours)/ Bachelor of Business
- Bachelor of Chemical Engineering (Honours)/ Bachelor of Mathematics
- Bachelor of Chemical Engineering (Honours)/ Bachelor of Science
- Bachelor of Civil Engineering (Honours)/ Bachelor of Business
- Bachelor of Civil Engineering (Honours)/ Bachelor of Environmental Engineering (Honours)
- Bachelor of Civil Engineering (Honours)/ Bachelor of Mathematics
- Bachelor of Civil Engineering (Honours)/ Bachelor of Surveying (Honours)
- Bachelor of Computer Systems Engineering (Honours)/ Bachelor of Computer Science
- Bachelor of Computer Systems Engineering (Honours)/ Bachelor of Mathematics
- Bachelor of Computer Systems Engineering (Honours)/ Bachelor of Science
- Bachelor of Electrical and Electronic Engineering (Honours)/ Bachelor of Business
- Bachelor of Electrical and Electronic Engineering (Honours)/ Bachelor of Computer Systems Engineering (Honours)
- Bachelor of Electrical and Electronic Engineering (Honours)/ Bachelor of Mathematics
- Bachelor of Electrical and Electronic Engineering (Honours)/ Bachelor of Science
- Bachelor of Environmental Engineering (Honours)/ Bachelor of Science
- Bachelor of Mechanical Engineering (Honours)/ Bachelor of Business
- Bachelor of Mechanical Engineering (Honours)/ Bachelor of Mathematics
- Bachelor of Mechanical Engineering (Honours)/ Bachelor of Mechatronics Engineering (Honours)
- Bachelor of Mechanical Engineering (Honours)/ Bachelor of Science
- Bachelor of Mechatronics Engineering (Honours)/ Bachelor of Electrical and Electronic Engineering (Honours)
- Bachelor of Mechatronics Engineering (Honours)/ Bachelor of Mathematics
- Bachelor of Surveying (Honours)/ Bachelor of Business

Health and Medicine

56

Degree Name	Duration	2024 SR	Page
Bachelor of Biomedical Science	3 yrs FT / 8 yrs PT	67.00	57
Bachelor of Exercise and Sport Science	3 yrs FT / 8 yrs PT	65.00	57
Bachelor of Medical Radiation Science (Honours) (Diagnostic Radiography)	4 yrs FT	80.00	57
Bachelor of Medical Radiation Science (Honours) (Nuclear Medicine)	4 yrs FT	71.00	58
Bachelor of Medical Radiation Science (Honours) (Radiation Therapy)	4 yrs FT	71.00	58
Bachelor of Medical Science/Doctor of Medicine (Joint Medical Program)	5 yrs FT	N/A ^a	58
Bachelor of Midwifery	3 yrs FT / 6 yrs PT	78.00	59
Bachelor of Nursing	3 yrs FT / 6 yrs PT	63.00	59
Bachelor of Nutrition and Dietetics (Honours)	4 yrs FT	72.00	59
Bachelor of Occupational Therapy (Honours)	4 yrs FT	87.00	60
Bachelor of Oral Health Therapy	3 yrs FT	88.00	60
Bachelor of Pharmacy (Honours)	4 yrs FT	72.00	60
Bachelor of Physiotherapy (Honours)	4 yrs FT	97.00	61
Bachelor of Podiatric Medicine	4 yrs FT	77.00	61
Bachelor of Speech Pathology (Honours)	4 yrs FT / 10 yrs PT	75.00	61

Combined degrees

- Bachelor of Biomedicine/ Bachelor of Laws (Honours)

Humanities and Social Sciences**62**

Degree Name	Duration	2024 SR	Page
Bachelor of Arts	3 yrs FT / 8 yrs PT	62.00	63
Bachelor of Development Studies	3 yrs FT / 8 yrs PT	67.00	63
Bachelor of Global Indigenous Studies	3 yrs FT / 8 yrs PT	62.00	63
Bachelor of Social Science	3 yrs FT / 8 yrs PT	62.00	64
Bachelor of Social Work (Honours)	4 yrs FT / 10 yrs PT	65.00	64
Diploma in Arts and Social Science	1 yr FT / 4 yrs PT	50.00	N/A ^a
Diploma in Languages	1 yr FT / 4 yrs PT	60.00	N/A ^a

Combined degrees

- Bachelor of Arts/Bachelor of Innovation and Entrepreneurship
- Bachelor of Arts/Bachelor of Laws (Honours)
- Bachelor of Arts/Bachelor of Music and Performing Arts
- Bachelor of Arts/Bachelor of Science
- Bachelor of Development Studies/Bachelor of Business
- Bachelor of Development Studies/Bachelor of Media and Communication
- Bachelor of Development Studies/Bachelor of Global Indigenous Studies
- Bachelor of Development Studies/Bachelor of Laws (Honours)
- Bachelor of Development Studies/Bachelor of Social Science
- Bachelor of Global Indigenous Studies/Bachelor of Laws (Honours)
- Bachelor of Psychological Science/Bachelor of Social Science
- Bachelor of Social Science/Bachelor of Laws (Honours)

Law**65**

Degree Name	Duration	2024 SR	Page
Bachelor of Criminology	3 yrs FT / 8 yrs PT	62.00	66
Bachelor of Laws (Honours) ^a	5 yrs FT	82.00	66

Combined degrees

- Bachelor of Arts/Bachelor of Laws (Honours)
- Bachelor of Biomedicine/Bachelor of Laws (Honours)
- Bachelor of Business/Bachelor of Laws (Honours)
- Bachelor of Commerce/Bachelor of Laws (Honours)
- Bachelor of Media and Communication/Bachelor of Laws (Honours)
- Bachelor of Criminology/Bachelor of Laws (Honours)
- Bachelor of Criminology/Bachelor of Psychological Science
- Bachelor of Development Studies/Bachelor of Laws (Honours)
- Bachelor of Global Indigenous Studies/Bachelor of Laws (Honours)
- Bachelor of Innovation and Entrepreneurship/Bachelor of Laws (Honours)
- Bachelor of Psychological Science/Bachelor of Laws (Honours)
- Bachelor of Science/Bachelor of Laws (Honours)
- Bachelor of Social Science/Bachelor of Laws (Honours)

Science and the Environment**67**

Degree Name	Duration	2024 SR	Page
Bachelor of Biotechnology	3 yrs FT / 8 yrs PT	65.00	68
Bachelor of Climate Science and Adaptation	3 yrs FT / 8 yrs PT	65.00	68
Bachelor of Coastal and Marine Science	3 yrs FT / 8 yrs PT	65.00	68
Bachelor of Environmental Science and Management	3 yrs FT / 8 yrs PT	65.00	69
Bachelor of Food Science and Human Nutrition	3 yrs FT / 8 yrs PT	65.00	69
Bachelor of Psychological Science	3 yrs FT / 8 yrs PT	65.00	69
Bachelor of Psychological Science (Advanced)	3 yrs FT / 8 yrs PT	90.00	70
Bachelor of Science	3 yrs FT / 8 yrs PT	65.00	70
Bachelor of Science (Advanced)	3 yrs FT / 8 yrs PT	90.00	70
Diploma in Environmental Science	1 yr FT / 4 yrs PT	50.00	N/A ^a
Diploma in Science	1 yr FT / 4 yrs PT	50.00	N/A ^a

Combined degrees

- Bachelor of Arts/Bachelor of Science
- Bachelor of Chemical Engineering (Honours)/Bachelor of Science
- Bachelor of Computer Systems Engineering (Honours)/Bachelor of Science (Physics major)
- Bachelor of Criminology/Bachelor of Psychological Science
- Bachelor of Electrical and Electronic Engineering (Honours)/Bachelor of Science (Physics major)
- Bachelor of Environmental Engineering (Honours)/Bachelor of Science (Earth Sciences major)
- Bachelor of Environmental Science and Management/Bachelor of Business
- Bachelor of Food Science and Human Nutrition/Bachelor of Business
- Bachelor of Mathematics/Bachelor of Science
- Bachelor of Mechanical Engineering (Honours)/Bachelor of Science (Physics major)
- Bachelor of Psychological Science/Bachelor of Business
- Bachelor of Psychological Science/Bachelor of Media and Communication
- Bachelor of Psychological Science/Bachelor of Social Science
- Bachelor of Science/Bachelor of Innovation and Entrepreneurship
- Bachelor of Science/Bachelor of Laws (Honours)

Career ideas

	You like	You could study	You could be
	Art, Business Studies, Design and Technology, Economics, Geography, Maths	Architecture 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

Every path welcome, every student celebrated.

At the University of Newcastle, we believe diversity is at the heart of innovation. And with a 5-star rating for social equity¹, we celebrate difference, and embrace fresh perspectives. So, wherever you come from, and whatever your passion, we are here to help you pursue it.

Maybe you will join our 300+ scientists and researchers working to discover renewable energy solutions. You might advocate for the rights of refugees, or make your start-up dream a reality.

Maybe you will join one of our 80+ clubs, societies and sports teams to meet people who share your passions and interests – and make lifelong friendships.

We are also proud to be ranked as a Top 30 university in the world for impact². We believe to make real impact you need real world understandings. And that is why all our degrees offer incredible hands-on experiences.

So come join us at the University of Newcastle. Bring your ideas, your passion, and your energy. Together, we just might change the world.

There is a place for you.

5-star
maximum rating for
learning resources²

5-star rating
for social equity¹

Largest provider
of alternative entry
programs in Australia³



Top 175
university in
the world⁴

Welcome to the University of Newcastle

Welcome to the University of Newcastle, where your journey to becoming a life-ready graduate begins. For more than 50 years, we've been a global hub for students like you, offering a world-class education and an enriching student experience. With a diverse student group representing over 100 countries, you'll find a safe and welcoming community here in our multicultural city.

Our University is ranked among the top 175 globally, and we're committed to providing you with an education that's not just academically rigorous but also practically relevant. Our courses are designed with career-ready placements, international learning experiences, and entrepreneurial opportunities, to ensure you're prepared for the challenges and opportunities that lie ahead.

Community engagement is at the heart of our ethos. We collaborate closely with local industries, providing you with unique opportunities to gain practical experience and make valuable connections in your area of study.

We're also deeply committed to impactful research. As a student here, you'll have the chance to learn from leading researchers who are making significant contributions to knowledge and innovation, both in Australia and globally.

We invite you to join our vibrant community and take advantage of the exceptional educational experiences we offer. We're excited to be part of your journey, where you'll find endless opportunities to learn, grow, and make a meaningful impact.



Professor Alex Zelinsky AO
Vice-Chancellor and President



1 QS World University Rankings 2022.

2 The Good Universities Guide 2022.

3 Department of Education Selected Higher Education Statistics - 2021 student data.

4 QS World University Rankings 2024.

Commitment to equity

For 50 years, our University has led the way in providing equity of access to higher education. We believe that equitable access is fundamental, and creates positive change in the communities our alumni live and work in. Over half of our domestic undergraduate students are the first in their family to go to university, inspiring other relatives and friends to explore further education.

Supporting you, every step of the way

At the University of Newcastle, we'll support you throughout your educational experience. Our entry options mean there's more than one pathway to get into your degree and our scholarships will give you the extra support that might be needed to get you through your studies.

Every age and every life stage

We engage with primary and high school students through a number of programs to demystify the university experience and encourage them into further education. We also provide free academic and peer support for our students, in particular those who study with us through our pathway programs like Open Foundation and Yapug. If you've ever thought that uni is not for you, think again. A higher education is for anyone who wants to learn, regardless of their background, circumstances, or abilities.

"In the beginning, I didn't know anything about Autism Spectrum Disorder and how it affected how I learnt; but AccessAbility made me realise this.

I talked with my Learning Advisor, and she made me see that adjustments could be made to make it easier for me. For the first time in my life, I felt like I wasn't doing everything on my own."

Jennifer
Bachelor of Science



Indigenous support

The Wollotuka Institute and Thurru Indigenous Health Unit will assist you by providing a culturally-safe environment in which Aboriginal and Torres Strait Islander students, staff, researchers and community are welcomed and supported. You can also access mentorship, tutoring and scholarship assistance from experienced staff, Elders and cultural leaders.

We'll offer you programs that provide multiple pathways to uni and beyond. Our Indigenous Early Entry Law Scheme provides guaranteed entry into our Miroma Bunbilla Program, a pre-entry pathway to our Joint Medical program. Or choose another pathway into our undergraduate degrees such as the Aboriginal and Torres Strait Islander Admission Scheme or Yapug program.

You'll join a safe and welcoming cultural space, with a diverse staff and student community that celebrates equity and inclusion. You'll have access to knowledge, industry connections and real-world learning experiences to prepare you for your career and life. Join our community and start your journey today.

Accessibility

We're committed to providing an equitable learning environment for all future and current students – including those with disabilities or medical conditions that may affect their participation, engagement or learning opportunities.

Our AccessAbility initiative aims to support students to reach their full academic potential and create an environment that promotes independence and success.



LEARN MORE
ABOUT OUR
ACCESSABILITY
INITIATIVES

A portrait of Zabowie Mills, a Torres Strait Islander woman with dark curly hair, smiling. She is wearing a blue top with a traditional Indigenous pattern. The background is a soft-focus green foliage.

1,600+
Indigenous
graduates¹

Torres Strait Islander and mother of two, Zabowie entered university as a non-school leaver through the Yapug program at the age of 32.

After having her second child, Zabowie started thinking about pursuing a new career and moving away from previous jobs she'd had in the finance industry. Instead, Zabowie felt drawn to human psychology and the science of the mind. However, the idea of taking on a tertiary degree felt impossible.

"I realised around 28 years of age, psychology was something I was very interested in, however going to university was something that I thought I could never achieve. I believed I wasn't smart enough to obtain tertiary level education and I left that career idea on the back burner, an unobtainable goal, so I thought," she said.

It wasn't until a close relative was diagnosed and hospitalised with schizophrenia that Zabowie's passion was reignited.

"I went on the University of Newcastle website and read about their pathway programs. This led me to read about the Wollotuka Institute and the Yapug program that they offered for Aboriginal and Torres Strait Islander people," she said.

"I contacted the University, who explained the Yapug program to me over the phone and I was sold. By 2021 I was enrolled in the program.

Feeling prepared for her undergraduate degree, Zabowie was able to transition into a Bachelor of Psychological Science with ease.

"The Yapug program not only helped me develop my academic skills and meet the demands of tertiary level education, but helped me build my self-worth, cultural identity, and gave me a place of belonging, a place where I felt safe, a place where I could feel confident and supported," she said.

Since completing Yapug – and being awarded the Yapug Prize for her excellent results – Zabowie has started a Bachelor of Psychological Science. She is passionate about achieving her goals and becoming a fully qualified clinical psychologist.

Zabowie Mills
Yapug

Life-ready graduates

With outstanding graduate employment rates, you can be confident you'll gain the knowledge, industry connections and real-world experience needed to create the career you want.

Career-ready placements are a cornerstone of our educational approach. We take education outside the classroom and beyond the textbooks. Our strong partnerships with local and global organisations ensure that everything you study is shaped by the real world. That means students get access to internships, work experience and industry connections – across all our degrees – to ensure everyone gets invaluable real-world experience.



LEARN MORE
ABOUT OUR
CAREERS SERVICE

3,000+
employer connections¹

Industry partners

We have strong partnerships with local and global organisations. When you study with us, you'll have the opportunity to collaborate with some of the best industries Newcastle has to offer. Some of our partners include:

- AECOM
- Australian Public Service
- Australian Taxation Office
- Central Coast Local Health District
- CSIRO
- Elekta Pty Ltd
- Engineers Australia
- Greater Bank
- Hunter Medical Research Institute
- Hunter New England Local Health District
- Johnson and Johnson
- KPMG
- Legal Aid
- Mars
- Newcastle Jets
- Central Coast Mariners
- North Construction & Building
- Port of Newcastle
- PWC
- Sinosteel
- Snowy Hydro

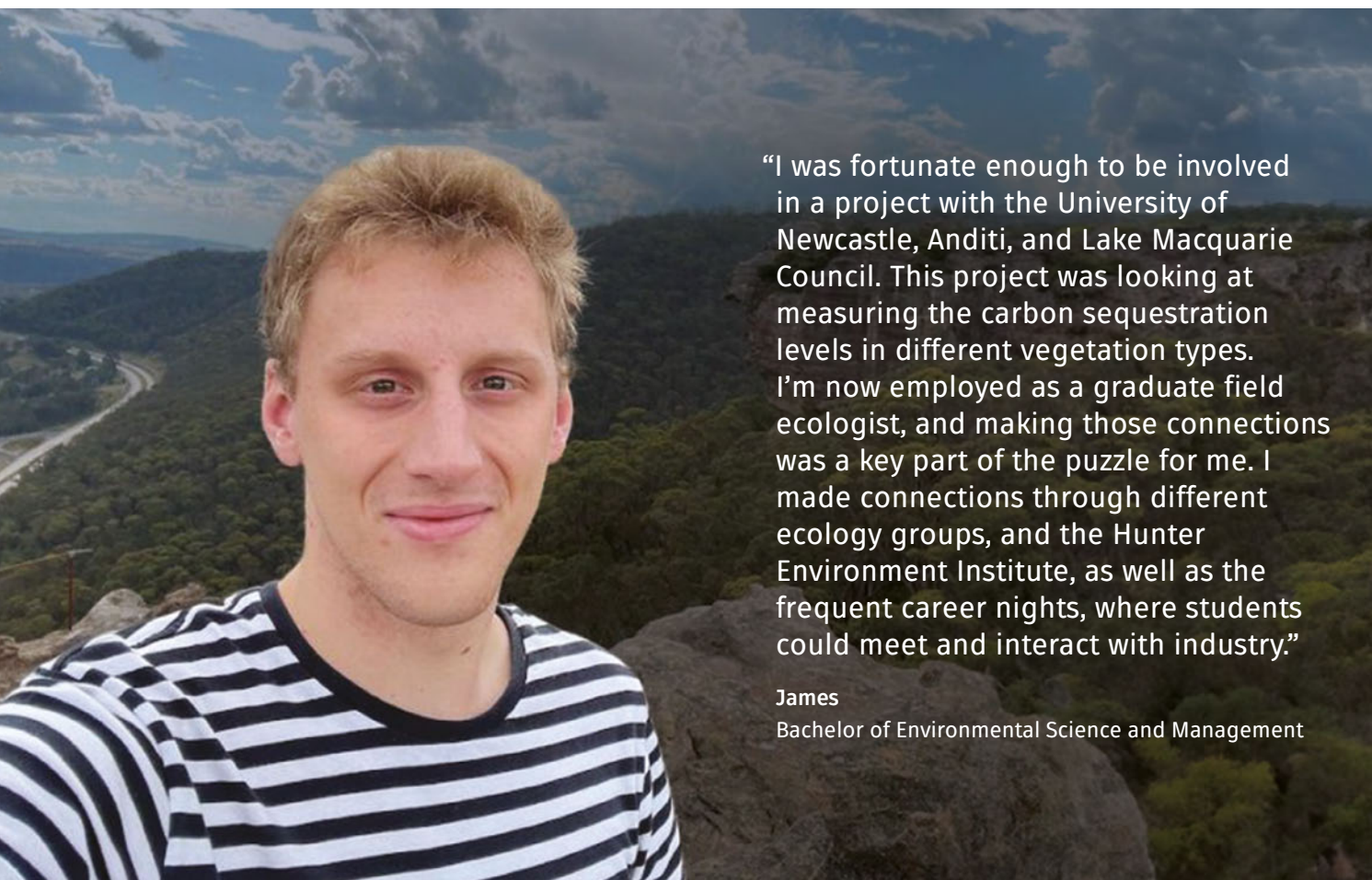
Here, you'll have the opportunity to participate in global learning experiences in countries such as Canada, China, Germany, Singapore, the South Pacific, the United Kingdom, and the United States of America, among others.

“During my placement, I worked within the electrical engineering team and worked on the Crudine Ridge Wind Farm, Murra Warra Wind Farm and Rye Park Wind Farm. To be designing and developing wind turbine farms – it's just out of this world that I'm already participating in that. I think it's just proving to me that my degree is wanted in industries, so I feel very lucky to be given that opportunity.”

Jessica

Bachelor of Renewable Energy Engineering (Honours)
Work placement – Zenviron





“I was fortunate enough to be involved in a project with the University of Newcastle, Anditi, and Lake Macquarie Council. This project was looking at measuring the carbon sequestration levels in different vegetation types. I’m now employed as a graduate field ecologist, and making those connections was a key part of the puzzle for me. I made connections through different ecology groups, and the Hunter Environment Institute, as well as the frequent career nights, where students could meet and interact with industry.”

James

Bachelor of Environmental Science and Management

\$68,900

**Median starting salary
for undergraduate
employment²**

**We’re home to
Australia’s only UNITAR
accredited training
centre – CIFAL Newcastle**



Study electives aligned to the United Nations Sustainable Development Goals and get United Nations co-accreditation for your studies.

cifal.newcastle.edu.au

Career-ready placements

Sometimes it's best to dive straight in. That's why having the chance to get exciting industry experience is part of all our degrees.

We have strong partnerships with local and global organisations, meaning everything you study is shaped by the real world and you'll graduate ready for a career in your field. Maybe you'll intern with your favourite sporting team, or produce a music video for a major Australian band. You might work with communities in Indonesia to help overcome serious environmental issues, or get a behind-the-scenes look at how a national event comes together.

Whether it's through an internship, practical placement, project-based learning, or work placement, nothing prepares you for the real world like working in it.



Environmental Science and Management student Ruby undertook the trip of a lifetime, spending six weeks collaborating with marine biologists at sea on a CSIRO research voyage.

"The experience really opened my eyes to what it is like to be working in the lab, seven days a week, 12 hours a day," she said. "Every day you wake up and breathe science, which really solidified that yes - this is the path I want to take in my life."

Ruby
Bachelor of Environmental Science and Management



CHECK OUT
RUBY'S STORY



Jake completed an internship at Lake Macquarie City Council as a Circular Economy Intern.

“I definitely feel that this experience gave me confidence in applying the knowledge I have gained in my degree. It’s also a relief knowing that most people will support you as much as possible when entering the workforce. I ended up gaining employment with an affiliate of Lake Macquarie and I am still working there. I’ve been given a rather autonomous role and am able to contribute to the development of this organisation.”

Jake

Bachelor of Development Studies (Honours)

iLEAD

iLEAD is the leadership program you need to position yourself as an adaptive and engaged leader in a global marketplace.

iLEAD is a globally-focused leadership program that connects you with local and national networks and experiences to accelerate your professional development and career readiness. Through carefully curated workshops, mentoring relationships and international experiences, you'll develop a set of skills, traits and perspectives that will position you as a leader of tomorrow.



LEARN MORE
ABOUT iLEAD

“Being part of iLEAD has given me the confidence in my skills and the practical experience in a professional environment to be able to network with the people working in my field. The mentorship program has helped me better adapt to my undergraduate role in strategic planning as I am able to ask my mentor for advice on how to navigate new environments.”

Olivia

Bachelor of Development Studies



Learning from experts in the industry, including a study tour to Indonesia, Jamie-Lee feels she is getting the highest quality education within a supportive environment.

“I was able to connect with pharmacy students studying in Indonesia and gain insight into how pharmacy practice differs between our two countries. The Bachelor of Pharmacy (Honours) program has enabled me to create a professional profile for myself within the pharmacy industry and I will be stepping into the community as a confident and passionate pharmacist and multi-disciplinary health care provider.”

Jamie-Lee

Bachelor of Pharmacy (Honours)



CHECK OUT
JAMIE-LEE'S
STORY

Inspired learning

We believe a great learning environment should inspire you, excite you and prepare you to enter your chosen industry with the confidence and professional experience needed to stand out in the crowd. Explore our leading-edge facilities, labs, simulators, collaboration zones and more when you study with us.

Marketing Technology Lab

Located on level 6 of the Newcastle City campus (NUspace), the Marketing Technology Lab is a dedicated space to develop the skills of the next generation of marketing professionals.



Nursing Simulation Labs

Our world-class nursing simulation labs are located at the University of Newcastle's Central Coast Clinical School in Gosford and on Callaghan campus. Our labs provide students with the opportunity to gain hands-on clinical experience which can be applied to their professional placements.





Food Innovation Centre

Located in the Science Labs at Ourimbah campus, experience our state-of-the-art Food Innovation Centre. Combining commercial grade kitchens with a connected food analysis laboratory, students can undertake product development, initiating and testing product concepts, just like it is done in the industry.

SimTeach

Our virtual reality teaching tool, located within the School of Education at our Callaghan campus, provides our education students with realistic teaching experiences in a simulated environment.



Greater Bank Finance Lab

Located on level 1 of the Newcastle City campus (NUspace), experience our Greater Bank Finance Lab and explore the lab infrastructure including market simulator, workstations and other technologies which provide students with a hands-on learning experience in our finance and accounting programs.



Surgical Skills Unit

Located at Callaghan campus, Medical Sciences West is a purpose-built four-storey building that offers world-class facilities such as wet and dry anatomy facilities, a 120-person teaching lab and preparation space, a specimen museum and group study areas. Students studying a range of medical science degrees, including biotechnology, medicine, pharmacy, radiation therapy and speech therapy can build their practical skills in this remarkable precinct.



Entrepreneurial opportunities



Bachelor of Fine Art (Honours)
and Doctor of Philosophy alumna
Dr Bliss Cavanagh

Creative Sensory Spaces

“It was a massive lightbulb moment.”

Dr. Bliss Cavanagh

Founder of Creative Sensory Spaces

While completing her honours at the University of Newcastle, Bliss created a multi-sensory installation that not only eased her Tourette's symptoms, but also deeply resonated with visitors. “This was the point where I realised my work had the potential to serve a greater purpose,” she said.

Bliss credits I2N's Female Founders Program as a pivotal experience. “It was the catalyst I needed to focus on growth and strategy,” she said. Armed with a PhD, she now specialises in crafting sensory rooms for diverse environments, from corporate offices to educational institutions. “These spaces are more than rooms; they're a reset button for the soul,” she said.



FIND OUT MORE
ABOUT BLISS AND
OTHER YOUNG
ENTREPRENEURS

If you have passion, drive and big ideas, we're here to help make them a reality. That's why we give you countless opportunities to fine-tune your skills, make the right connections and take your ideas to the next level.

We offer the facilities, courses, mentors and support you need to succeed. Sign up for one of our innovation or entrepreneurship courses, get guidance on your startup through our Integrated Innovation Network (I2N), or use your major project to build a robot that can help save lives. The possibilities are only limited by your imagination.

Build your ideas, test your thinking and access industry experts. Together we can make big things happen.

Integrated Innovation Network (I2N)

I2N is the University's epicentre of entrepreneurship.

Its headquarters, located at Honeysuckle, is purpose-built to drive enterprise skill development and startup success with state-of-the-art facilities including a makerspace and free coworking for pre-startups. Connect to a community of change-makers, and their supporters, by engaging in a range of free networking events, hackathons, mentoring, and pre-accelerator programs.



LEARN MORE
ABOUT I2N

\$26M+
in funding
raised



FIND OUT
MORE HERE

Jaegersoft Software Consultancy

“When we engaged with the University of Newcastle’s I2N Venture Mentor Service, it was like finding a compass for our start-up. The mentors provided us with invaluable insights that shaped our journey from the outset.”

Viv

Co-founder of Jaegersoft

Jaegersoft, a Hunter-based software consultancy, specialises in bespoke software solutions that drive innovation across various sectors. Founded by University of Newcastle student Viv, the company thrives on collaboration and cutting-edge technology to deliver impactful digital transformations.

The support from I2N mentors was pivotal for Jaegersoft, helping the team navigate the complexities of the tech industry and refine their business approach; setting them up to be profitable from the business’s inception. Their success is a testament to the entrepreneurial opportunities that the university fosters, proving that with the right support, innovative ideas can indeed become successful realities.

From left to right:
Bachelor of Software Engineering alumni,
Viv Jayachandran (Co-founder),
Josh Haynes (Principal Engineer),
Max Wroe (Co-founder).

Global experiences

Are you keen to take your studies around the world? When you study here, you could 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. Build global connections, 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.



LEARN MORE
ABOUT GLOBAL
EXPERIENCES

"It was really good to study overseas because we got a different perspective; in the Netherlands we studied cases from not just the Netherlands but Germany and Europe more broadly.

We also got to do some travel after the trip and we spent a week in Paris which was only 4 hours away on the train!"

Chelsea and Lilly
Bachelor of Criminology/
Bachelor of Psychological Science



75%

of students who undertook an overseas placement or internship said it helped them to gain employment¹

Semester exchange

With the option to live and study overseas for either one semester or one year, this is your chance to truly immerse yourself in a new culture and way of life. You remain enrolled and paying tuition at the University of Newcastle, and earn credit towards your degree while abroad.

Academic short courses

Generally between two to four weeks in duration, short courses are a great option if you want to add an international element to your degree and have a spare elective. A wide range of short-term programs are on offer for students all over the world.

Study tours

A study tour is a unique global experience that combines travel with real-world experience in your area of study. Tours – led by experienced University of Newcastle staff – are a chance to travel with other students and gain the experience of a lifetime.

Global internships and placements

Enrich your learning and expand your connections in the field through an international internship or placement. You will gain hands-on experience in established organisations – all while seeing the world.

¹ IEAA - Career outcomes of learning abroad report 2020.

150 Partnerships in 30 countries

for semester exchange programs



Meijiawu Tea Village in Hangzhou
Photographer: Conor Ashleigh

“We applied our learnings from the duration of our trip to an action challenge, where we created and presented a project on how to break down the stigma on mental health in the Pacific.

I have come home with lifelong friendships and many memories I will cherish forever.”

Maeve

Bachelor of Psychological Science/
Bachelor of Criminology

2023 New Colombo Plan Mobility Grant Recipient

New Colombo Plan

The New Colombo Plan (NCP) Scholarship and Mobility Programs are the most prestigious undergraduate mobility scholarships in the country. Since launching in 2014, 40 University of Newcastle students have been awarded as NCP Scholars. The University has received over \$13 million dollars in funding through the Mobility Program to support over 3,500 undergraduate students to participate in semester-based or short-term study and internships, mentorships, practicums, and research in 40 host locations across the Indo-Pacific region.



LEARN MORE
ABOUT NEW
COLOMBO PLAN

Other international opportunities

Whether it is collaborating on projects with overseas students or attending international conferences or global competitions – we believe in creating opportunities for you to collaborate with like-minded students, expand your thinking and make global connections.

**Studying abroad develops
your skills and gives you
the potential to excel in
your future career.**



CHECK OUT
MAEVE'S STORY



Where you'll study



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.



SCAN TO
DISCOVER
CAMPUS LIFE

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.

**More than
\$125 million
invested into the
Newcastle City campus
over the past six years**

Top regional university

One of the top regional universities in Australia¹



SCAN TO TAKE
A CAMPUS
TOUR

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, 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 state-of-the-art health and fitness facilities and programs to help maintain your physical and mental wellbeing.

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, and environmental management).

Central Coast (Gosford)

Strategically located on the grounds of Gosford Hospital, our world-class Central Coast Clinical School, 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 Gosford campus is undergoing a \$63 million expansion and is expected to be complete by mid-2025. In addition to the existing Clinical School and Research Institute, the new Mann Street campus offers world-class educational opportunities for our Central Coast community right in the heart of Gosford.



Central Coast campus, Ourimbah

Live like a local



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 a list of the top 8 things to see and do.

2 Sip by the sea – Whether you're an early riser or a sunset chaser, Newcastle and the Central Coast offer the perfect spots to enjoy a drink by the ocean. In Newcastle, Estabar near Newcastle Beach is the go-to for a morning coffee with a view, especially with their weekday student discounts. If you're on the Central Coast, Bellyfish Café in Terrigal offers a seaside brunch with a student-friendly menu.

1 Tune out – If live music is your jam, you're in for a treat. Our very own Bar on the Hill at Callaghan campus hosts plenty of home-grown and international gigs to enjoy. Newcastle's The Lass O'Gowrie in Wickham is a local favourite for catching emerging talent. On the Central Coast, Drifters Wharf in Gosford hosts bands of all styles, that are sure to entertain.





DISCOVER
MORE INSIDER
GUIDES FOR
THE NEWCASTLE
REGION



3 Ocean baths and pools – For a more relaxed swimming experience, Newcastle's Merewether Baths is a local favourite, complete with nearby cafes. On the Central Coast, The Entrance Ocean Baths offer a tranquil environment for a refreshing dip.

4 Cheap eats – Good food doesn't have to come with a hefty price tag. In Newcastle, Harry's Café de Wheels delivers satisfying snacks that won't break the bank. On the Central Coast, the Bateau Bay Bowling Club offers a budget-friendly lunch and dinner specials.

5 Coastal walk – For those who love the great outdoors, the coastal walks in both Newcastle and the Central Coast are a must. The Anzac Memorial Walk in Newcastle provides breathtaking ocean views and is a popular spot for capturing the perfect sunset photo. If you're on the Central Coast during the annual 5 Lands Walk, don't miss this unique event that connects five beautiful beaches.

6 Get back to nature – If you're looking to escape the urban hustle, both regions offer fantastic natural retreats. Blackbutt Reserve in Newcastle features wildlife exhibits and walking trails for an educational day out. On the Central Coast, the Australian Reptile Park offers a fun and educational experience, complete with student discounts.

7 Festival fever – If you're all about good vibes, great music, and unforgettable experiences, then you won't want to miss the festivals that the Hunter Valley and Central Coast have to offer. In the Hunter Valley, check out This That Festival, a one-day event that brings together the hottest acts in electronic, hip-hop, and indie music. Over on the Central Coast, Mountain Sounds Festival offers a multi-genre lineup set against a stunning natural backdrop.



DISCOVER MORE
TOP SPOTS
AROUND THE
CENTRAL COAST

8 Road trip – If you're itching for a change of scenery, both regions offer fantastic day trip options. A drive to Port Stephens from Newcastle offers activities like dolphin-watching and sandboarding. On the Central Coast, a scenic drive to Ettalong can be topped off with a ferry ride to Palm Beach.



Central Coast

Student life

 Newcastle campus, Callaghan

While your education should be the primary focus during your time at the University of Newcastle, finding the right study/life balance is also important.



LEARN MORE
ABOUT LIFE
AT UNI

Festivals and events

No matter which campus you study at, there's always something happening during the semester. Take part in study workshops, get involved in health and fitness programs, attend presentations from international scholars, or simply kick back and enjoy watching a movie by moonlight. Our campuses are buzzing with social events throughout the year. Enjoy Autonomy Party and Orientation, band competitions, live music, 'stress less' activities, or snag yourself a sausage at free weekly lunches.

Clubs and societies

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.

Cafés and live music

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 cafés, food outlets and bars across all our campuses. Plus, you don't have to venture too far to catch some of the world's biggest musicians and bands. Chances are you'll find a gig at Callaghan's Bar on the Hill, one of the many venues close to the Newcastle City campus or further down the coast at The Beery in Terrigal.





Staying active

NUSport At The Forum, University (Callaghan), and Harbourside (Newcastle City) offer 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. Also located at NUSport at The Forum University (Callaghan) is a café and physiotherapy clinic.

NUSport At The Forum (Ourimbah) Pop Up Gym offers fitness equipment and small group fitness programs.

theforum.org.au

There are plenty of outdoor spaces with sporting fields, an outdoor gym and fitness circuit, 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.

Student support

We provide support for students from every background including students under the age of 18, LGBTQIA+ students, Indigenous students and international students. You'll have access to:

- Academic support
- Peer study support
- Health support
- Counselling
- Religious support
- Career services
- Peer mentoring
- AccessAbility



LEARN MORE
ABOUT STUDENT
SUPPORT

Getting around



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



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



A free shuttle bus loops around Callaghan campus to get you to and from class and runs between our Callaghan and Newcastle City campuses every 30 minutes during semester. A shuttle bus runs in the morning and afternoon between Ourimbah and Gosford campus.



An after hours, on-call security shuttle is also available at Callaghan and Ourimbah campuses. The shuttle can take you back to your car, to Warabrook or Ourimbah train stations and surrounding suburbs near Callaghan.



Services on hand


We offer a number of additional services across our campuses to make student life easier, including:

- 24/7 University libraries
- Medical centre and pharmacy
- Post office
- Retailers
- The Shop (University merchandise)
- Childcare
- Counselling
- Cafés and bars



LEARN MORE
ABOUT THE
SERVICES
AVAILABLE ON
EACH CAMPUS

Accommodation

 Newcastle campus, Callaghan

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

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 might be for you.

Living on campus is more than just a room. When you live with us, you become part of the Student Living family. With 24/7 security, an inclusive and fun ResLife program, comprehensive support services and a passionate team dedicated to making your transition to uni as smooth as possible, you won't want to be anywhere else!

Where can I live?

With nine different residences to choose from across our Callaghan and Ourimbah campuses, you're sure to find the right fit.

Your accommodation costs cover a number of facilities and services including around-the-clock security, internet access, utilities, two swimming pools, laundry facilities and common rooms, featuring televisions, table tennis and pool tables.

2023
Michael O'Leary
Award for Innovation¹

¹ Asia-Pacific Student Accommodation Association

*Terms and conditions apply.



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.

2022 Excellence in Sustainable Development Goals¹

“I have thoroughly enjoyed living on campus, it not only was convenient for my studies but provided me with various opportunities whether it be music, sport, social, or leadership based.

Additionally, I was fortunate enough to meet some of my closest friends living here. I always felt safe and included living on campus and would do it again in a heartbeat!”

Aneira
East Tower resident



“As a resident, I ventured away from home and was fortunate to find a second home on campus.

Life as a resident feels like being part of an extended family – the welcoming atmosphere, community events, and the convenience of having everything within reach makes living on campus the most valuable experience.

I will always cherish the strong relationships, enriching experiences, and shared moments of laughter and learning. The incredible friendships and connections I have made, has undoubtedly been the best aspect of life on campus.”

Maisy
East Tower resident and Resident of the Year, 2023

Entry options

You have options when it comes to getting into uni. You can apply directly or through UAC or both depending on your circumstances. You can get into the degree of your choice based on your Year 11 results, ATAR, vocational qualifications, previous study, or relevant work experience. You may be eligible for admission schemes or benefit from adjustment factors. Check online for eligibility requirements as these do change from time to time.



LEARN MORE
ABOUT GETTING
INTO UNI

Early offer

Early Entry Program

Our new Early Entry Program means students undertaking Year 12 can receive an offer from the University of Newcastle before completing HSC exams.

Apply for free, and we'll connect you with learning resources that will guide you towards successfully completing your final year at school, and leadership and networking opportunities that focus on collaboration and engagement. An early offer to the University of Newcastle secures your place and provides you with certainty at a stressful time. This program is applicable for almost all degrees.

Early Entry Program benefits include:

- an early offer to attend the University of Newcastle
- 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

newcastle.edu.au/early

Schools Recommendation Scheme (SRS)

Get a head start with our SRS program. Open to Year 12 students, it offers admission based on Year 11 performance and school recommendations. This scheme is applicable for almost all degrees, except for the Bachelor of Midwifery and the Bachelor of Medical Science and Doctor of Medicine.

“Receiving an early offer will alleviate some of the pressure associated with the HSC exams and allow me to maintain a healthy life balance through the exam period.”

Chelsea

Year 12 Early Entry Program applicant,
pictured with her mother Sonya



LEARN MORE
ABOUT EARLY
ENTRY



Use your HSC results

Year 12 Subject Spotlight

Gain entry to an undergraduate degree based on your performance – if you have performed well in HSC English and one other HSC subject related to the degree you wish to study. This option is based on individual subject results.

HSC results and your ATAR

If you're completing or have recently completed your HSC or equivalent, you may receive an Australian Tertiary Admission Rank (ATAR), which can be used to enter university. An ATAR is a number between 0 and 99.95 that ranks how you performed in the HSC compared to other students.

Adjustment Factors

Adjustments are used to increase your Selection Rank due to factors such as your performance in HSC subjects, the location of your school, or your eligibility for the Educational Access Scheme. A maximum total of 12 points can be applied to eligible applicants.

Year 12 Adjustment

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 may be awarded five adjustment points if you completed the HSC at a regional or rural school located in selected postcodes.

Guaranteed Entry and Credit

We guarantee entry into many of our undergraduate programs to people who have completed a VET or other AQF qualification at a minimum level of AQF Level 4 - Certificate IV, Diploma or Advanced Diploma through the Guaranteed Entry program.

You might be eligible for credit from Diploma-level and above qualifications to put towards your degree – this means shorter study time and a faster start to your new career.

In addition, a completed Certificate III qualification gives you an estimated equivalent ATAR of 67 for competitive entry.

Options for Non-School Leavers

Have you studied before?

You can be considered for admission into an undergraduate degree based on:

- your performance in the HSC or equivalent, or partially completed higher education studies in Australia or equivalent overseas qualifications
- TAFE or other qualifications – Certificate III (limited programs), IV or higher
- post-secondary professional qualifications or professional/vocational experience
- performance in alternative entry or Pathways programs like Open Foundation or Yapug
- Australian Defence Force (ADF) personnel qualifications and experience.

Direct Entry

Our free Direct Entry application is for individuals who are not coming directly from high school. This includes those who have taken a gap year, have work experience, or have studied at another institution.

newcastle.edu.au/direct

Special Tertiary Admissions Test

If you are 18 and not a current year 12 student, or a current school leaver undertaking non-traditional schooling, this aptitude test can be used to provide you a Selection Rank for entry into some of our degree programs.

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. The scheme is administered by the Wollotuka Institute and University Admissions team.

newcastle.edu.au/study-with-wollotuka

Credit transfer

Your qualifications can be used to apply for a credit transfer, especially if they are related to the area you wish to study. You may be granted credit for up to half of your degree program.

There are also several courses or programs that help prepare you or can give you a pathway into university (see the next page for more details).

* Please note that completed VET qualifications must be AQF level IV (Certificate IV), AQF level V (Diploma), or AQF level VI (Advanced Diploma) to be eligible for guaranteed entry.

Admission schemes and adjustment factors are subject to change. Refer to website for up-to-date information.

Pathways to University

We're the largest
provider of
alternate entry
programs in
Australia¹

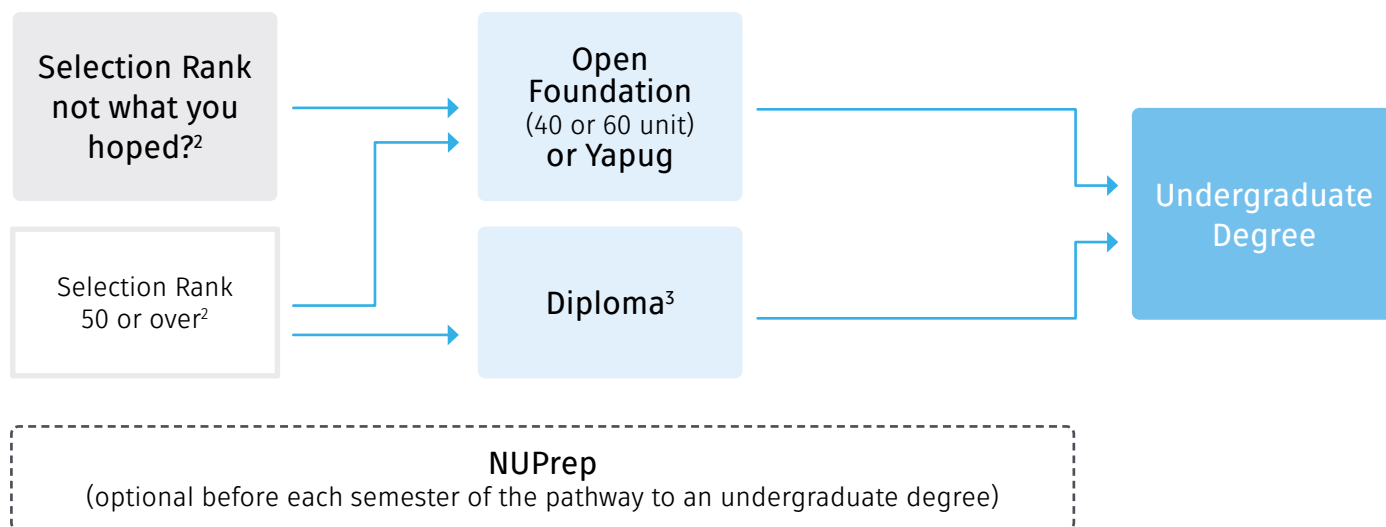
At the University of Newcastle, we believe that a university education should be accessible to anyone who wants to learn, no matter what age or life stage you're at. That's why over 20,000 students have completed our pathway programs in just under 20 years. Regardless of your background, circumstances or abilities, there is a pathway into university for you.



LEARN MORE
ABOUT PATHWAYS

"Open Foundation is something that prepares people for uni in a really unique way. I remember seeing the email that said I had gotten into Social Work and I knew I couldn't have gotten there without Open Foundation."

Steph
Bachelor of Social
Work (Honours)



¹ Department of Education Selected Higher Education Statistics - 2021 Student Data.

² See the 'Uni speak' page for more information about Selection Ranks.

³ Please note that diplomas require a minimum rank of 50 without adjustment factors.



Open Foundation

This free pathway is for you if you aren't able to get into the degree of your choice directly or 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 over 70 undergraduate degrees at the University of Newcastle. Upon completion, you'll also access competitive entry into all of our undergraduate degrees, including Medicine.

Yapug

This free pathway program is for you if you are an Indigenous 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 degree 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 degree.



EXPLORE OUR
RANGE OF
DIPLOMAS

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, science and in the field of education. You can enrol in these short courses before you apply to uni to get a glimpse of what studying at uni is like.

"The academics have gone above and beyond to support me throughout Open Foundation. Being able to study part time and having the support from the teachers and support services have been some of the key highlights of the program."

Hollie

Bachelor of Psychological Science (Advanced)



How to apply



LEARN MORE
ABOUT APPLYING

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

1. Choose the degree you want to study

Firstly, choose the degree you'd like to study. 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 Direct

If you are currently in Year 12 and you are interested in receiving an early offer, we have introduced a free Early Entry Program. This means you can receive an offer for most undergraduate degrees before commencing HSC exams. Early entry considers your Year 11 results so you can earn an offer to your chosen degree before you commence your exams. Offers are conditional on you completing the HSC or equivalent. Visit newcastle.edu.au/early for more information.

If you are applying for our Open Foundation or Yapug pathways, applications are free and submitted online directly to the university. Visit newcastle.edu.au/pathways and select your pathway program.

If you are applying as a non-school leaver, applications for most undergraduate degrees are submitted online through our free Direct Entry process: newcastle.edu.au/direct.

3. Apply through UAC

Whether you are currently in Year 12 or a non-school leaver, you can submit an application for all undergraduate degrees 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 the 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.

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

If you are currently in year 12, you can also apply for the Schools Recommendation Scheme (SRS) through the SRS application in UAC.

To be considered for adjustment points, you must apply through UAC. Visit newcastle.edu.au/degrees/selection-ranks-and-entry-schemes#adjustment-points.

4. 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 seven days to accept, so make sure you are checking your inbox. We make offers for Semester One between July 2024 and February 2025.

If you're applying through our Direct Entry application, with weekly and fortnightly offer rounds, you won't have to wait long after your application is assessed to secure your place.



Central Coast campus, Ourimbah

Scholarships



DISCOVER
SCHOLARSHIP
OPPORTUNITIES

You might be bursting with new ideas, passion and dedication, but without support, attending university can sometimes seem impossible. Scholarship programs at the University of Newcastle have been designed to provide this support and give you the opportunity to develop your talent and explore your potential.

The Ma & Morley Scholarship Program

The Ma & Morley Scholarship Program aims to inspire, educate and cultivate the next generation of globally aware and socially conscious Australian leaders – and help them change the world.

The program was established through a generous US\$20 million philanthropic commitment by the Jack Ma Foundation to honour the life-changing and enduring friendship between the successful Chinese entrepreneur Jack Ma and respected Novocastrian Ken Morley.

Each year we offer 30 Ma & Morley scholarships – 20 for new students commencing their undergraduate degree programs (with half allocated to students who have completed one of our pathway programs) and an additional 10 scholarships for continuing students.

There are three categories of scholarships for new students:

- Educational disadvantage
- Indigenous background
- Academic excellence

Ma & Morley Scholar benefits:

- up to \$75,000 in financial assistance[#]
- values-based leadership program
- lifelong friendships and bonds
- cultural immersion experience^{*}



LEARN MORE
ABOUT THE
MA & MORLEY
SCHOLARSHIP
PROGRAM

Find a scholarship that fits you

Each year, more than \$4 million in scholarships is awarded to students. Our scholarship programs align to the University's values of excellence, equity, sustainability and engagement and are designed to recognise achievement and support enthusiastic and dedicated students.

Many of our scholarships have been created as a result of generous philanthropic donations to the University, from individuals and organisations who share our belief that everyone with talent and dedication deserves the chance to pursue their dreams.

We have hundreds of scholarship programs with over 1,000 individual scholarships on offer, including:

- scholarships for academic excellence
- support for individuals facing financial hardship and educational disadvantage
- scholarships for Aboriginal and Torres Strait Islander students
- scholarships for developing community leaders
- scholarships for students demonstrating innovative thinking and driving sustainable initiatives in industry
- opportunities to travel, perform, play sport, relocate, or gain global experience.

“The scholarship is setting all of us up to have the best possible chance to act on our values and to build up a cohort of future leaders.”

Muhaymin
Joint Medical Program
Ma & Morley Scholar, 2022

[#] financial assistance applies to new students commencing

^{*} domestic or international travel subject to global limitations

Uni speak

Some key terms explained

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 strongly suggested 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.

Bridging and refresher courses

If you're looking to get a head start on your degree or refresh your knowledge on key subject areas, we strongly recommend completing a NUprep short course, bridging and refresher course prior to starting your degree. The courses are free and are available both online and on campus.

newcastle.edu.au/nuprep

Career-ready placements

Work experiences built into our degrees where you can apply your classroom theory to a real-world setting.

College

An organisational unit with responsibility for academic programs, often with a number of sub-units called Schools. All degrees will be owned by a particular College of the University.

Combined degrees

A combined degree means you study two degrees at once. You will 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.

newcastle.edu.au/financial-assistance

Learning formats

- **Blended Learning:** enables you to master course content independently through a variety of online learning activities and then attend workshops to engage with materials on a deeper level and actively work with course materials.
- **Laboratories:** gives you a chance to practise and experiment with what you are learning.
- **Lectures:** provide the theory component of your area of study in an interactive and engaged environment.
- **Tutorials:** small classes run by tutors where students have the opportunity to explore and ask questions.

- **Workshops:** active classes that give you a chance to practise what you are studying in an engaged environment.
- **Captured Lectures (through UONCapture):** provide slides and audio recordings of your lectures to allow you to listen back and review lecture materials in your own time.

Majors and minors

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

Mid-year

You can apply to start selected degrees in the second semester commencing in July. Mid-year applications are submitted through UAC.

Preferences

You can nominate five preferences in your UAC application. List your preferences in order of the course you'd like to study most, rather than the Selection Rank. Your dream degree should always be at the top of your preference list.

Qualification

Bachelor degree: the university level qualification for entry into many professions.

Diploma: a program of study requiring 80 units to be completed.

Doctorate: the highest postgraduate achievement an individual can earn and recognises a significant original contribution to a field of knowledge.

Higher Degree by Research (HDR): is a postgraduate university degree involving a unique supervised research project. These degrees are either a Masters of Philosophy or a Doctoral degree (either Professional Doctorate or a PhD).

Honours: some degrees allow you to get an additional qualification that helps boost your chances of employment. Embedded honours is included in many four year degrees or honours can be studied as a separate additional year for three year degrees.

Masters: a qualification granted at the postgraduate level to individuals who have successfully demonstrated a high level of expertise in a specific field of study or area of professional practice.

Postgraduate degree: any qualification being at the level of Graduate Certificate or above.

Undergraduate degree: any qualification up to and including the level of a Bachelor Honours degree.

Selection Rank (SR)

This is the lowest SR of any school leaver to receive an offer in Semester 1, 2024 based on ATAR plus adjustment points. You may meet the score listed using your ATAR alone, or your SR (your ATAR plus adjustment points).

Criteria in addition to your SR is determined by combining your ATAR (or equivalent) with any eligible adjustment points, up to a maximum of 12 points. Additionally, other qualifications and relevant work experience are assigned a rank. The highest eligible rank is then utilised for admission purposes.

Please note, some degrees also have additional entry requirements or criteria (such as an audition), so check for these requirements in the degree listing for your chosen program.

If a SR is not considered, the minimum and median SR will be listed as 'N/A'. Selection Ranks are indicative and may change.

Semester

This is the academic teaching period, which is approximately 13 weeks in duration. There are two semesters in a year.

Student support

We have a range of services available to help you, such as:

- **Peer Assisted Study Sessions (PASS):** one-hour weekly review sessions.
- **Academic Learning Support:** for tips, workshops and resources from our Learning Advisors.
- **Careers and Student Development:** for access to valuable work experience opportunities and employment help.
- **Studiosity:** Offers online academic support for writing and many other subjects.

newcastle.edu.au/support

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






Study options

With over 100 undergraduate degrees and even more unique study options to follow, you're sure to find an exciting and rewarding career that's right for you. Choose a degree that excites and motivates you, or combine two and forge your own path.

In this section you'll find all the key information you need to know for each degree – from entry requirements, to what you'll study, practical experience and potential career opportunities.



FIND A DEGREE
THAT'S RIGHT
FOR YOU

	Architecture and Construction	38
	Business and Management	40
	Computing, Maths and Technology	43
	Creative Industries and Communication	46
	Education	48
	Engineering	50
	Health and Medicine	56
	Humanities and Social Sciences	62
	Law	65
	Science and the Environment	67

Architecture and Construction

Our architecture and construction degrees will empower you to think differently, to imagine new ways to live, work, and experience the world – and bring these ideas to life. Gain the skills needed to design and construct quality environments, from houses to high-rises, galleries, modern factories or freeways. Learn how to emphasise social, economic and environmental sustainability, solve problems and build a better world.

Top 150

in the world – Architecture and the Built Environment¹

88.9%

employed within four months of graduating²

Ranked 3

in Australia for overall satisfaction³

Discover
Architecture and
Construction
degrees



1 QS World University Rankings by Subject 2023

2 Graduate Outcomes Survey 2020-2022 - Undergraduate Architecture and Building

3 Course Experience Questionnaire 2020-2021 Undergraduate Architecture and Built Environment



Architectural design is more than just creating buildings; it's about shaping communities and lives. For Kate, returning to the University of Newcastle as a mature student was a decision driven by her lifelong passion for architecture, and her desire to make a meaningful impact.

“My journey at the University of Newcastle has been incredibly positive. The flexibility of part-time study allowed me to balance family life while pursuing my dream career. The hands-on experiences, like designing gardens for a school in Cairns, have enriched my learning beyond the classroom.

These experiences are not just academic achievements; they're stepping stones to my ultimate goal—becoming a registered architect focused on social housing and urban design. I know that my time here is preparing me for a future where I can make a real difference.”

Kate

Bachelor of Design (Architecture)

Hear from
one of our
students



Bachelor of Construction Management (Building) (Honours)

UAC code: 482450 **Location:** Newcastle – Callaghan

2024 Selection Rank: 65.00 | Median 71.85

Duration: 4 yrs FT / 10 yrs PT

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.

Practical experience: You will complete 16 weeks of industrial experience giving you valuable hands-on-training in the field of construction management. This can be completed in one block or as shorter placements of no less than two weeks. Through your work placement you'll build vital professional networks and put your learning into practice.

Career opportunities: Upon graduation, you can work in careers such as:

- Building Surveyor/Certifier
- Construction Manager
- Contracts Manager
- Estimator
- Facilities Manager
- Project Manager

Professional recognition: This degree is fully endorsed by five professional bodies in Australia and internationally including the Australian Institute of Building (AIB), Australian Institute of Building Surveyors (AIBS), Australian Institute of Quantity Surveyors (AIQS), Chartered Institute of Building (CIOB) and Royal Institution of Chartered Surveyors (RICS). These accreditations reflect the direct relationship between what you'll learn in the degree and the requirements of various sectors of the construction industry.

Bachelor of Design (Architecture)

UAC code: 482500 **Location:** Newcastle – Callaghan

2024 Selection Rank: 65.00 | Median 73.48

Duration: 3 yrs FT / 8 yrs PT

Recommended studies: English (Standard or Advanced) and History (Ancient or Modern), plus at least one of Visual Arts, Design and Technology or Industrial Technology.

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 where we live and work, engage the community and improve our world. You will learn in the state's newest creative innovation centre in Newcastle. Through live projects, you'll develop design principles that emphasise social, economic and environmental sustainability and become a consultative problem solver.

Practical experience: You will have the opportunity to engage in live projects through hands-on work and public exhibitions. Collaborate with organisations to improve the housing and health of disadvantaged people in remote Australia and developing countries. Upon graduation, you will have the opportunity to exhibit their work publicly at our graduate exhibition, an opportunity to showcase work to industry and the local community.

Career opportunities: Upon graduation, you can work in careers such as:

- Architectural Technician
- Designer
- Drafter
- Infrastructure Planner
- Project Manager
- Town Planner

Professional recognition: This program is nationally accredited by the NSW Architects Registration Board, Commonwealth Association of Architects, and Architects Accreditation Council of Australia. This program is also internationally recognised, through the Canberra and Washington Accord Agreements, Board of Architects Malaysia (LAM) and Bologna Process for European Higher Education.

We also offer a Diploma in Built Environment, please refer to the foldout or the website for more information.

Business and Management

Business and management students are trailblazers – whether it's taking a vision and turning it into a successful business, or improving existing business practices around the world. Our degrees are more dynamic, flexible and industry-engaged than ever before. Gain a broad understanding of Australian and global business environments, or become an expert in the world's fiscal systems and complex economic landscapes. With real-world, industry experience embedded into all our degrees, you'll graduate with the skills and professional connections needed to kick-start your career in this fast-growing field.

Top 175

in the world – Business & Economics¹

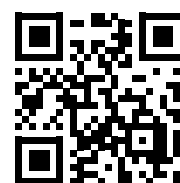
Top 150

in the world – Business Administration²

Top 200

in the world – Hospitality & Tourism Management²

Discover Business and Management degrees



1 2024 Times Higher Education Subject Rankings

2 2023 Global Ranking of Academic Subjects

After spending some time in the workforce, Kayla realised that she would need to have formal qualifications behind her in order to advance her career. With a passion for social media marketing, she set her sights on the Bachelor of Business at the University of Newcastle, majoring in marketing.

“So far, my experience has been both rewarding and challenging. I’ve had the opportunity to explore a variety of subjects, from management to marketing and even electives outside of my degree.

I’ve met some amazing people and with the guidance of the lecturers and my peers, they’ve helped me grow as an individual in ways I never thought possible.

There are challenges that come with university life, but my support network help to keep me on track so that I can strive for excellence in all aspects of my studies. All in all, it has been a great experience.”

Kayla

Bachelor of Business

Check out
Kayla's story



Bachelor of Business Analytics

UAC code: 484871 **Location:** Newcastle – City

2024 Selection Rank: 62.00 | Median 65.15

Duration: 3 yrs FT / 8 yrs PT

Recommended studies: Business Studies and Mathematics (Standard or Advanced)

In recent years, interest and industry demand for business analytics specialists has increased significantly. The quality, quantity and diversity of data available has never been greater. Organisations rely on the expertise of business analysts to inform decision-making and strategic direction. As a result, career opportunities in this area have boomed. You'll develop the data skills needed to implement and oversee data-driven business decisions. This program prepares you to utilise artificial intelligence methodologies, to analyse and transform data into useful decision-supporting information and determine trends, futures, strategic directions or outcomes for functioning business operations.

Practical experience: You will complete 140 hours of supervised placement within your third year of study that will enable you to apply knowledge developed throughout your studies and acquire new knowledge and professional networks to support your career readiness. The professional experience placement course provides an opportunity for you to undertake workplace experience in your desired career field, including business analysis, consulting, project management, marketing, and business development.

Career opportunities: Upon graduation, you can work in careers such as:

- Business Analyst
- Financial Analyst
- Financial Manager
- Management Analyst
- Market Research Analyst
- Marketing Specialist

Professional recognition: The University of Newcastle's Newcastle Business School is in the top 3 business schools in NSW, accredited by both EQUIS and AACSB.

Combine this degree with:

- Bachelor of Business
- Bachelor of Commerce

Bachelor of Business

UAC code: 482200 **Location:** Newcastle – City
482210 Central Coast – Ourimbah

2024 Selection Rank: 62.00 | Median 70.05

Duration: 3 yrs FT / 8 yrs PT

Recommended studies: Mathematics (Standard or Advanced)

Gain a broad understanding of Australian and global business environments. You will graduate with practical skills and attributes that are highly valued by employers in a range of disciplines including human resource management, leadership, 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.

Practical experience: You will complete 140 hours of supervised placement within your third year of study that will enable you to apply knowledge developed throughout your studies and acquire new knowledge and professional networks to support your career readiness. The professional experience placement course provides an opportunity for you to undertake workplace experience in your desired career field, including business analysis, consulting, project management, marketing, and business development.

Career opportunities: Upon graduation, you can work in careers such as:

- Digital Marketing Analyst
- Marketing Coordinator
- Festival/Events Coordinator
- Foreign Correspondent
- Entrepreneur
- Business Relationship Manager

Professional recognition: The Marketing major is accredited by the Australian Marketing Institute (AMI).

The Human Resource Management major is accredited by the Australian Human Resource Institute (AHRI).

The University of Newcastle's Newcastle Business School is in the top 3 business schools in NSW, accredited by both EQUIS and AACSB.

Combine this degree with:

- 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)
- Bachelor of Mechanical Engineering (Honours)
- Bachelor of Psychological Science
- Bachelor of Surveying (Honours)

Bachelor of Commerce

UAC code: 482300 **Location:** Newcastle – City

2024 Selection Rank: 62.00 | Median 83.88

Duration: 3 yrs FT / 8 yrs PT

Recommended studies: Mathematics (Standard or Advanced)

This 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.

Practical experience: You will complete 140 hours of supervised placement within your third year of study that will enable you to apply knowledge developed throughout your studies and acquire new knowledge and professional networks to support your career readiness. The professional experience placement course provides an opportunity for you to undertake workplace experience in your desired career field, including business analysis, consulting, project management, marketing, and business development.

Career opportunities: Upon graduation, you can work in careers such as:

- Accountant
- Auditor
- Financial Analyst
- Investment Banker
- Mortgage Broker
- Stockbroker

Professional recognition: The Bachelor of Commerce Accounting major is designed to provide accreditation with the major professional bodies in accounting, including CPA Australia, CA Australia and New Zealand, Association of Chartered Certified Accountants (ACCA) and Association of International Accountants (AIA).

The University of Newcastle's Newcastle Business School is in the top 3 business schools in NSW, accredited by both EQUIS and AACSB.

Combine this degree with:

- Bachelor of Business
- Bachelor of Business Analytics
- Bachelor of Innovation and Entrepreneurship
- Bachelor of Laws (Honours)

Bachelor of Innovation and Entrepreneurship Combined

Location: Newcastle – City
Newcastle – Callaghan

Combined with: **2024 Selection Rank:** **UAC code:**

Bachelor of Arts 62.00 | Median 71.50 482030

Bachelor of Business 62.00 | Median 77.48 483060

Bachelor of Commerce 62.00 | Median 77.30 483070

Bachelor of Laws (Honours) Combined* 82.00 | Median 89.23 483100

Bachelor of Science 65.00 | Median 72.10 484040

Duration: 4 yrs FT / 10 yrs PT

Recommended studies: Mathematics (Standard or Advanced)

This combined program prepares you 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.

Practical experience: You will complete 140 hours of supervised placement within your third year of study that will enable you to apply knowledge developed throughout your studies and acquire new knowledge and professional networks to support your career readiness. The professional experience placement course provides an opportunity for you to undertake workplace experience in your desired career field, including business analysis, consulting, project management, marketing, and business development.

Career opportunities: Upon graduation, you can work in careers such as:

- Business Development Officer
- Business Owner
- Consultant for government, organisations and communities
- Entrepreneur
- Innovation Manager
- Startup Founder

Professional recognition: The University of Newcastle's Newcastle Business School is in the top 3 business schools in NSW, accredited by both EQUIS and AACSB. When you study the Bachelor of Innovation and Entrepreneurship Combined, in conjunction with another degree, some individual majors within these degrees may be accredited. Please see individual degree listings for further detail.

Combine this degree with:

- Bachelor of Arts
- Bachelor of Business
- Bachelor of Commerce
- Bachelor of Laws (Honours)
- Bachelor of Science

Bachelor of Tourism, Hospitality and Events

UAC code: 484400 **Location:** Newcastle – City

2024 Selection Rank: 62.00 | Median 71.00

Duration: 3 yrs FT / 8 yrs PT

This program provides you with a cutting-edge learning experience, blending academic rigour with industry relevance. The curriculum is structured to provide an in-depth focus on core skills in industry management. Additionally, the program emphasizes leadership capabilities, particularly those oriented towards ethical and sustainable practices. You can choose to enrol in a standalone Bachelor of Tourism, Hospitality and Events at the University of Newcastle or opt for a combined program that includes an Advanced Diploma at TAFE NSW. The combined option allows you to graduate with both qualifications in a three year timeframe.

Practical experience: You will complete 140 hours of supervised work placement within your final year of study to enable you to apply knowledge developed throughout your studies and acquire new skills and professional networks to support your career readiness. This professional experience course provides an opportunity for you to undertake workplace experience in your desired career field in either tourism, hospitality or events management.

Career opportunities: Upon graduation, you can work in industries such as:

- Destination management
- Tourism and hospitality marketing
- Festival and events leadership
- Experience design and management

Professional recognition: The University of Newcastle's Newcastle Business School is in the top 3 business schools in NSW, accredited by both EQUIS and AACSB.

We also offer a Diploma in Business, please refer to the foldout or the website for more information.

Computing, Maths and Technology

The computing, maths and technology industries are at the cutting-edge of new thinking, and are central to the way we work, learn, communicate, socialise and entertain ourselves. They're industries that require critical, creative thinkers. Our degrees teach you the skills required to develop technology and systems to aid advancements in almost any area you can think of. You could work for a big global corporation like Google or Apple, or build your own business and become one of the world's most innovative entrepreneurs.

Top 200

in the world –
Computer Science¹

86.4%

employed within
four months²

Top 250

in the world – Mathematics³

Discover
Computing, Maths
and Technology
degrees



1 THE World Rankings by Subject 2024

2 Graduate Outcomes Survey 2020 - 2022 - Undergraduate Science and Mathematics

3 QS World University Rankings by Subject 2023

As a LEGO™ fan, Jenny has always been interested in putting things together and solving all kinds of puzzles. She compares finding solutions to programming problems the same as solving these puzzles. Since finding this passion for programming and a love for everything to do with computers, she knew the best way to enhance her knowledge was through a Bachelor of Computer Science at the University of Newcastle.

Through practical experiences and hands-on opportunities, Jenny is fast learning what a career in the field will be like.

“Working with KPMG, I had the opportunity to gain insight into how real businesses work. This not only empowers me to have confidence in my future career but also with the appropriate work experience to succeed.”

Jenny (Ni)

Bachelor of Computer Science

Check out
Jenny's
story



Bachelor of Computer Science

UAC code: 482400 **Location:** Newcastle – Callaghan

2024 Selection Rank: 65.00 | Median 73.90

Duration: 3 yrs FT / 8 yrs PT

Recommended studies: Mathematics (Extension 1)

As a Computer Scientist you will work on challenging programming tasks, developing new software technologies and sophisticated new online systems. Computer science is fundamental to many everyday technologies like autonomous vehicles, image and speech recognition, natural language processing, social media, online shopping, computer games and virtual reality. The Bachelor of Computer Science produces innovative and resourceful computer scientists who are experts at complex problem solving. You can customise your degree choosing from the following areas to major in: computer systems and robotics, software development, and cyber security.

Practical experience: Our computer science laboratories offer cutting-edge facilities, providing the perfect practical environment to apply your knowledge and test your skills. A career-ready placement course is available in your final year where you will have the opportunity to complete up to 250 hours of work placement in an external organisation. Through your work placement you will build vital professional networks and put your learning into practice.

Career opportunities: Upon graduation, you can work in careers such as:

- Application Development Manager
- Business Intelligence Director
- Computer Software Program Manager
- Cyber Security Adviser
- Security Architect
- Software Architect

Professional recognition: The Bachelor of Computer Science is accredited by the Australian Computer Society. Students will have the opportunity to apply for the Data and Digital Cadet Program, delivered on campus in collaboration with The Australian Public Service (APS).

Combine this degree with:

- Bachelor of Computer Systems Engineering (Honours)
- Bachelor of Data Science

Bachelor of Data Science

UAC code: 489791 **Location:** Newcastle – Callaghan

2024 Selection Rank: 70.00 | Median 78.85

Duration: 3 yrs FT / 8 yrs PT

As a Data Scientist you will 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.

Practical experience: You will graduate with professional skills, knowledge and real-world experience sought after by the industry. While studying, you will have the opportunity to take advantage of up to 280 hours of work placement and access cutting-edge facilities such as our computer science laboratories. You'll also use the latest data analysis and programming software such as Python and R which are broadly applied across a variety of industries so you graduate work-ready.

Career opportunities: Upon graduation, you can work in careers such as:

- Data Scientist
- Big Data Specialist
- Data Analyst and Scientist
- Digital Transformation Specialist
- Information Security Analyst
- Internet of Things Specialist

Professional recognition: Students have the opportunity to apply for the Data and Digital Cadet Program, delivered on campus in collaboration with The Australian Public Service (APS).

Combine this degree with:

- Bachelor of Computer Science
- Bachelor of Mathematics

Bachelor of Information Technology

UAC code: 483000 **Location:** Newcastle – Callaghan

2024 Selection Rank: 65.00 | Median 73.00

Duration: 3 yrs FT / 8 yrs PT

Recommended studies: English (Standard or Advanced)

Information Technology (IT) delivers the skills needed to succeed in an interconnected society. IT 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 career-ready placement opportunities, creating job-ready graduates. You can tailor your studies to complete one of two industry-aligned majors, 'ICT Developer' or 'ICT Professional'.

Practical experience: You will have the opportunity to undertake career-ready placements with industry. This allows you to gain hands-on experience in the industry, creating graduates who are prepared for immediate and productive employment. In your third year you will work with a team of students to complete a major IT project, with the opportunity to find and develop a project with an industry partner. This project typically involves costing and evaluation, database design and implementation, interface design, programming, project planning, and reporting and presenting.

Career opportunities: Upon graduation from the ICT Developer major, you can work in careers such as:

- Games Designer
- Mobile App Designer
- Software Developer

Upon graduation from the ICT Professional major, you can work in careers such as:

- ICT Adviser
- IT Analyst
- IT Project Manager

Professional recognition: This program has been professionally accredited by the Australian Computer Society. Graduates of the Bachelor of Information Technology will be eligible to apply for membership with the Australian Computer Society.

Combine this degree with:

- Bachelor of Business

Bachelor of Mathematics

UAC code: 483200 **Location:** Newcastle – Callaghan

2024 Selection Rank: 75.00 | Median 76.4

Duration: 3 yrs FT / 8 yrs PT

Recommended studies: Mathematics (Extension 1)

The Bachelor of Mathematics attracts the very best problem solvers, passionate about critical analysis and technological innovation. The computing, maths and technology industries are at the forefront of new thinking, and are central to the way we work, learn, communicate and socialise. 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. The Bachelor of Mathematics allows you to choose from three specialist majors in Pure and Applied Mathematics, Statistics, or Studies in Mathematics and Statistics. You will also have the opportunity to choose from three co-majors to study alongside your chosen major, including Data Science, Climate Science or Computer Science.

Practical experience: When you study mathematics at The University of Newcastle, you will complement your theoretical studies with tutorials and laboratories that help you apply what you learn to practical situations. Our two Advanced Collaborative Environment spaces are equipped with computers, cameras, projectors, microphones and SmartBoards to enable you to connect with other groups in real time without delays.

Additionally, you can enrol in international study offering you the opportunity to undertake an international placement to expand on the theoretical knowledge and skills developed in this program and apply knowledge and skills in an external and international context.

Career opportunities: Upon graduation, you can work in careers such as:

- Climate Science Modeller
- Data Mining Analyst
- Economic/Social Statistician
- Investment Banker/Stockbroker
- Meteorologist
- Sports Statistician

Professional recognition: Students have the opportunity to join the Australian Mathematical Society (AustMS) as a student member, before they graduate. Graduates with a Statistics major are eligible for Graduate Accreditation on becoming a member of the Statistical Society of Australia.

Combine this degree with:

- 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

Bachelor of Mathematics (Advanced)

UAC code: 483205 **Location:** Newcastle – Callaghan

2024 Selection Rank: 90.00 | Median N/A

Duration: 3 yrs FT / 8 yrs PT

Recommended studies: Mathematics (Extension 1)

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. You will have the opportunity to apply for the Merit Pathway program and participate in activities that enrich your learning and social experience on campus. The Bachelor of Mathematics (Advanced) allows you to choose from three specialist majors including Pure and Applied Mathematics, Statistics and Studies in Mathematics and Statistics.

Practical experience: When you study mathematics at the University of Newcastle, you will complement your theoretical studies with tutorials and laboratories that help you apply what you learn to practical situations. Additionally, You can enrol in international study which offers you the opportunity to undertake an international placement to expand the theoretical knowledge and skills developed in this program, and apply knowledge and skills in an external and international context.

Career opportunities: Upon graduation, you can work in careers such as:

- Algorithm Designer
- Data Mining Analyst
- Investment Banker/Stockbroker
- Meteorologist
- Risk or Strategy Analyst
- Sports Statistician

Professional recognition: Students have the opportunity to join the Australian Mathematical Society (AustMS) as a student member, before they graduate. Graduates with a Statistics major are eligible for Graduate Accreditation on becoming a member of the Statistical Society of Australia.

We also offer a Diploma in Data Analytics and Diploma in Information Technology, please refer to the foldout or the website for more information.

Creative Industries and Communication

Pursuing a career in creative industries and communication is a chance to bring your boldest ideas to life. You can tailor your degree to focus on an area you're passionate about such as digital content creation, animation, music, art, design, media, filmmaking, journalism, public relations and so much more. Collaborate with industry partners on real-life projects, from the production of music videos to art installations, and contribute to the new-gen thinking that will help define the 21st century.

92.2%

employed within four months of graduating¹

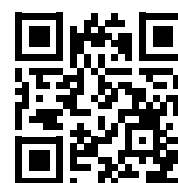
Top 300

in the world – Communication²

Cutting-edge facilities

Students enjoy access to industry standard equipment and state-of-the-art training spaces

Discover Creative Industries and Communication degrees



1 Graduate Outcomes Survey 2020-2022 - Undergraduate Communication

2 2021 Global Ranking of Academic Subject

Peter always knew he wanted to work in the media industry, so studying a Bachelor of Communication was an easy decision to make. Heading into his third year of study, he's excited to explore all there is to learn about the field and pursue the career he's always wanted.

"I've had an amazing time studying at the University of Newcastle so far. At NUspace in the city, I can go to classes with tutors who are currently working in the industry, collaborate with peers who share a passion for news media and creative arts, and hang out afterwards at the scenic parks and beaches nearby.

Throughout my courses, I've learned how to work with clients making commercials, how to write like a feature journalist and had engaging discussions about what's shaping our contemporary media landscape."

Peter

Bachelor of Media and Communication

Check out Peter's story



Bachelor of Media and Communication

UAC code: 483330 **Location:** Newcastle – City

2024 Selection Rank: 62.00 | Median 73.20

Duration: 3 yrs FT / 8 yrs PT

Develop skills to produce ground-breaking, thought-provoking, and engaging work in today's complex communication landscape. Course options prepare you to create content for many forms of media. These include social, radio, podcasting, broadcast, streaming, and news platforms. You can tailor your skills for specific areas of interest, including: drama and documentary, gaming and lifestyle, strategic communications, public relations, and corporate communications. This program is a creative journey. Gain the skills and confidence to produce content, tell stories and influence audiences. Connect with industry networks and thrive in a career in media and communication.

Practical experience: You will complete 140 hours of supervised placement within your third year of study that will enable you to apply knowledge developed throughout your studies and acquire new knowledge and professional networks to support your career readiness. You will undertake workplace experience in your desired career field, including media, journalism, public relations, advertising, marketing, theatre production, musical ensembles, performing arts and visual communications.

Career opportunities: Upon graduation, you can work in careers such as:

- Media Consultant/PR Consultant
- Festival/Events Coordinator
- Interactive Media Designer/Developer
- Foreign Affairs and Trade Officer
- Media Production Editor
- Campaign Manager

Combine this degree with:

- Bachelor of Developmental Studies
- Bachelor of Laws (Honours)
- Bachelor of Psychological Science

Bachelor of Music and Performing Arts

UAC code: 489814 **Location:** Newcastle – City

2024 Selection Rank: N/A | Median 61.18

Duration: 3 yrs FT / 8 yrs PT

Recommended studies: Music 1 or demonstrated musical experience or qualification equivalent to Music 1 or AMEB (Grade 6 to 8 to pass).

Entry requirements: Audition and/or interview are required for this degree. See website for more information.

A career in music and performing arts offers you an exciting future within the 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 collaborative. You will learn to combine a variety of technical skills in creative thinking, design, music, performance, production and writing. This program will enable you 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.

Practical experience: You will complete 140 hours of supervised placement within your third year of study that will enable you to apply knowledge developed throughout your studies and acquire new knowledge and professional networks to support your career readiness. You will undertake workplace experience in your desired career field, including media, journalism, public relations, advertising, marketing, theatre production, musical ensembles, performing arts and visual communications.

Career opportunities: Upon graduation, you can work in careers such as:

- Professional Musician
- Performing Artist
- Theatre Maker
- Composer
- Music Producer
- Studio Teacher

Combine this degree with:

- Bachelor of Arts

Bachelor of Visual Communication Design

UAC code: 484650 **Location:** Newcastle – City

2024 Selection Rank: 62.00 | Median 74.40

Duration: 3 yrs FT / 8 yrs PT

Recommended studies: At least one of Visual Arts, Textiles and Design, Design and Technology or Industrial Technology.

Sharpen your skills using our professional studios, labs and creative maker spaces. Work with experts on real-world creative tasks and gain vital industry experience. You'll graduate ready to be part of the dynamic and evolving creative industries, with a portfolio displaying innovative visual thinking along with a wide-ranging set of media skills. You'll be using your ideas to create the impossible, dream big and drive innovative change. Tap into visual and design training that will give you the edge in making and creating the art and media content of the future. Be empowered to build a creative practice of your own or win a position as a creative in diverse organisations anywhere in the world.

Practical experience: You will complete 140 hours of supervised placement within your third year of study that will enable you to apply knowledge developed throughout your studies and acquire new knowledge and professional networks to support your career readiness. You will undertake workplace experience in your desired career field, including advertising, marketing, and visual communications.

Career opportunities: Upon graduation, you can work in careers such as:

- Brand and Identity Specialist
- Creative Director
- Interaction Designer, User Experience Or Game Art and Design
- 3D Visualiser Motion Graphic Designer
- Motion Graphic Designer
- Publication Designer

48 Education

Great teachers can change lives and truly impact the communities in which they live. Through our education degrees, you'll learn more than just how to teach – you'll gain the skills needed to empower future generations and inspire young minds. A career in education is rewarding and diverse. With access to the latest technologies including SimTeach, SimSchool and a 360 degree fully immersive SimCave, in addition to real-life practical experience, you'll graduate with globally-transferable skills and qualifications.

\$85,000

median starting salary¹

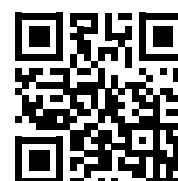
Top 175

in the world – Education²

93.1%

employed within four months of graduating³

Discover
Education
degrees



1 NSW Government, 2023

2 2024 Times Higher Education Subject Rankings

3 Graduate Outcomes Survey 2020-2022 - Undergraduate Education

“Studying at the University of Newcastle has been an amazing journey full of new people, an immersive learning experience and lots of fun. I’ve made so many new friends from classes and clubs I’ve joined and found a supportive community of tutors and lecturers along the way.

I chose two teaching areas and have loved the wide range of courses on offer. In addition, being on placement has opened my eyes to the possibilities after graduation.”

Bella

Bachelor of Education (Secondary)

Check out
Bella's story



Bachelor of Education (Early Childhood and Primary)

UAC code: 484750 **Location:** Newcastle – Callaghan

2024 Selection Rank: 65.00 | Median 72.80

Duration: 4 yrs FT / 10 yrs PT

Teachers and education professionals have the power to scaffold children's learning, development, and wellbeing. If a rewarding career working with children is your passion, then the Bachelor of Education (Early Childhood and Primary) degree is for you. This program empowers you with a full scope of understanding children's learning and development from birth to 12 years old. Graduates qualify to work across a wide age range:

- **Preschool and early childhood (birth – 5 years):** Play a meaningful role in shaping children's education and care during the crucial early years.
- **Primary school (pre-kindergarten, kindergarten – year 6):** Work across the full scale of children's learning, development, and wellbeing.

Practical experience: You will complete three professional experience placements across early childhood and primary school classrooms for at least 90 days. This degree requires you to participate in placements in NSW Department of Education or other NSW schools or services. During placement, you will be subject to the policies and procedures of the placement facility. You must meet all the education placement requirements, including a NSW Working with Children clearance.

Career opportunities: Upon graduation, you can work in careers such as:

- Community Educator
- Curriculum Developer
- Early Childhood Centre Director
- Early Childhood Teacher
- Educational Researcher
- Primary School Teacher

Professional recognition: This program is accredited by ACECQA and NESA. Graduates will be eligible to register with these two professional accreditation bodies for early childhood and primary education.

Bachelor of Education (Primary)

UAC code: 484800 **Location:** Newcastle – Callaghan
484810 Central Coast – Ourimbah

2024 Selection Rank: 65.00 | Median 72.58

Duration: 4 yrs FT / 8 yrs PT

Primary school (kindergarten – year 6) is the critical period where children cultivate lifelong skills. Discover how you can empower the next generation and influence positive change. Study in our state-of-the-art technologies: SimTeach, SimCave and SimSchool. These immerse students in both virtual reality and hands-on experiences and prepare students for diverse contexts and diverse students. Our technologies are used to reflect our commitment to equity, excellence and indigenous knowledge, through shared experiences, indigenous storytelling and reflective practice.

Practical experience: You will complete three professional experience placements across primary school classrooms for a total of at least 90 days. This degree requires you to participate in placements in NSW Department of Education or other NSW schools (Catholic and/or Independent) or services. During placement, you will be subject to the policies and procedures of the placement facility. You must meet all the education placement requirements, including a NSW Working with Children clearance.

Career opportunities: Upon graduation, you can work in careers such as:

- Primary School Teacher
- Special Education Teacher
- Community Educator
- Curriculum Developer
- Education Policy Analyst
- Educational Materials Developer

Professional recognition: Accredited by the NSW Education Standards Authority (NESA). Graduates will gain professional accreditation as Primary school teachers in and beyond NSW Government, Catholic, and Independent schools. Students who choose to study Mathematics or Science and Technology as their discipline will also be accredited as a curriculum specialist in those subjects. Other disciplines that can be studied are PDHPE/Special Education/Creative Arts and HSIE.

Bachelor of Education (Secondary)

UAC code: 484860 **Location:** Newcastle – Callaghan
484870 Central Coast – Ourimbah

2024 Selection Rank: 65.00 | Median 72.00

Duration: 4 yrs FT / 8 yrs PT

Secondary teachers nurture, teach and empower students at a critical period of their development. You will learn how to inspire high school students to make the most of their education and ignite their passion in particular subject areas. Combine your passion for education with your chosen areas of interest. Choose your teaching specialisations from a range of NESA Accredited Teaching Areas. Gain in-depth knowledge, expertise, confidence, and the skills to be an exceptional teacher.

Practical experience: You will complete three professional experience placements across secondary school classrooms for a total of at least 90 days. This degree requires you to participate in placements in NSW Department of Education or other NSW schools or services. During placement, you will be subject to the policies and procedures of the placement facility. You must meet all the education placement requirements, including a NSW Working with Children clearance.

Career opportunities: Upon graduation, you can work in careers such as:

- Community Educator
- Education Materials Developer
- Education Publication Writer or Editor
- Health and Fitness Trainer
- High School Teacher
- Special Education Teacher (if you complete the embedded Special Education specialisation)

Professional recognition: Accredited by the NSW Education Standards Authority (NESA). Graduates will gain professional accreditation as Primary school teachers in and beyond NSW Government, Catholic, and Independent schools.

Engineering

The role of an engineer is ever-changing. From building complex computer systems and influencing the infrastructure we use every day, to finding new ways to harness energy or even designing prosthetic limbs to help amputees – engineers play a critical role in overcoming the challenges our world faces. Challenges like food and water security, climate change, data protection and the increasing impact growing populations have on society. As a global leader in engineering higher education, including being ranked #22 in the world for Automation and Control Engineering¹, this is the place to develop world-changing solutions.

Ranked 1

in Australia and 22 in the world for Automation and Control¹

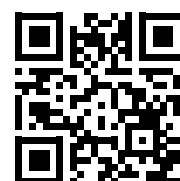
Top 150

in the world – Civil and Structural Engineering²

Ranked 2

in Australia for Skills Development³

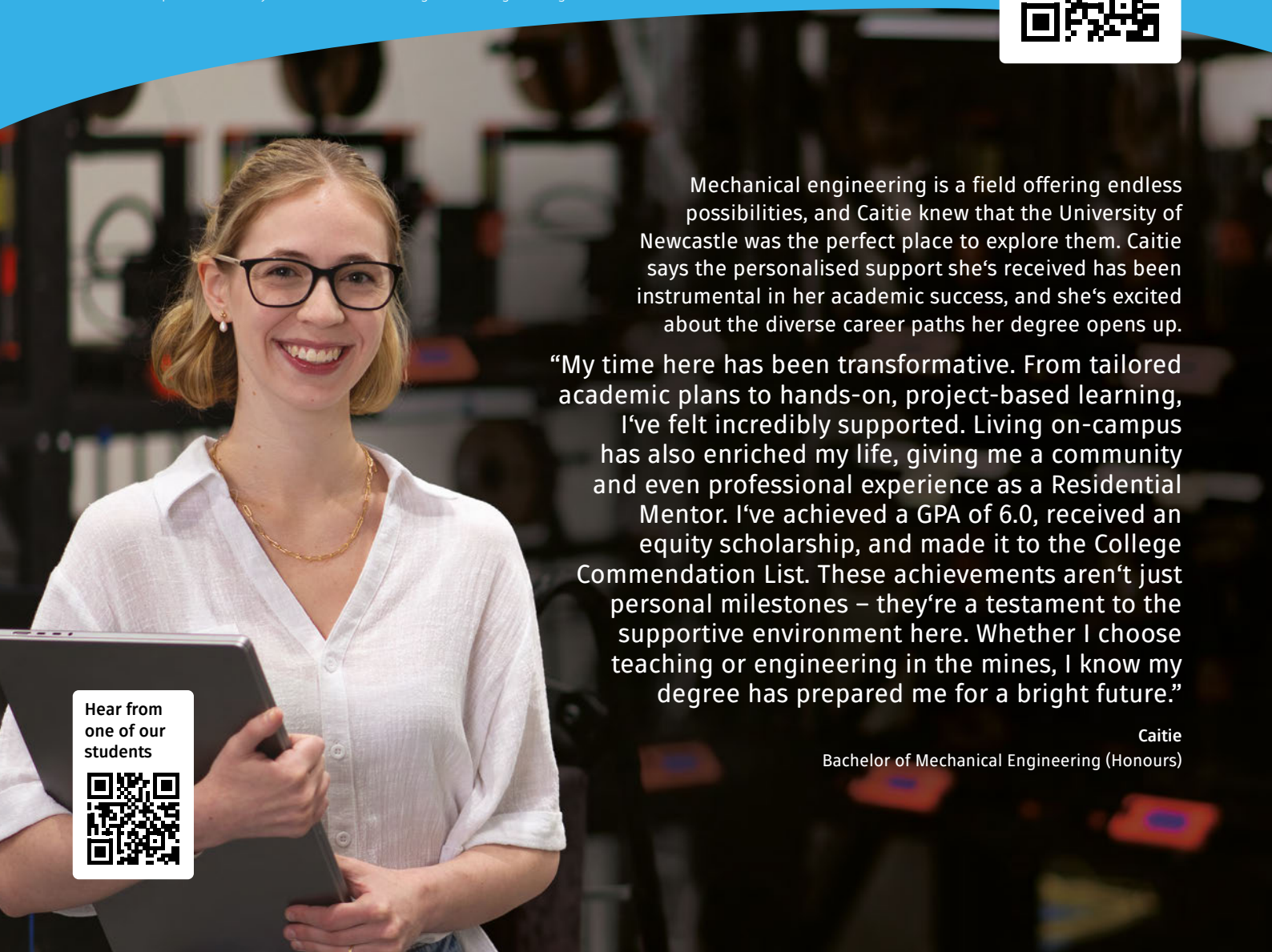
Discover
Engineering
degrees



1 ShanghaiRanking Global Ranking of Academic Subjects 2023

2 QS World University Rankings by Subject 2023

3 Student Experience Survey 2021 and 2022 - Undergraduate Engineering



Mechanical engineering is a field offering endless possibilities, and Caitie knew that the University of Newcastle was the perfect place to explore them. Caitie says the personalised support she's received has been instrumental in her academic success, and she's excited about the diverse career paths her degree opens up.

"My time here has been transformative. From tailored academic plans to hands-on, project-based learning, I've felt incredibly supported. Living on-campus has also enriched my life, giving me a community and even professional experience as a Residential Mentor. I've achieved a GPA of 6.0, received an equity scholarship, and made it to the College Commendation List. These achievements aren't just personal milestones – they're a testament to the supportive environment here. Whether I choose teaching or engineering in the mines, I know my degree has prepared me for a bright future."

Caitie

Bachelor of Mechanical Engineering (Honours)

Hear from
one of our
students



Bachelor of Aerospace Systems Engineering (Honours)

UAC code: 482707 **Location:** Newcastle – Callaghan

2024 Selection Rank: 75.00 | Median 84.25

Duration: 4 yrs FT / 10 yrs PT

Recommended studies: Mathematics (Extension 1) and at least one science-related subject (Physics or Chemistry preferred)

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. As a student of this program, you will learn from industry leaders in a program developed in partnership with the Australian Defence Force and the Australian Aerospace Industry.

Practical experience: As an engineering student at the University of Newcastle you will have the opportunity to complete 12 weeks of industrial experience during your degree. Through your work placement, you'll build important professional networks and put your learning into practice.

Career opportunities: Upon graduation, you can work in careers such as:

- Aerospace Engineer
- Aerospace Systems Engineer
- Satellite Engineer
- Systems Engineer

Professional recognition: This program is accredited through Engineers Australia and internationally recognised, allowing you to take your career anywhere in the world. The University of Newcastle is also one of only three Australian member institutions of the Global Engineering Education Exchange Program (Global e3).

Combine this degree with:

- Bachelor of Mechanical Engineering (Honours)
- Bachelor of Mechatronics Engineering (Honours)

Bachelor of Chemical Engineering (Honours)

UAC code: 482600 **Location:** Newcastle – Callaghan

2024 Selection Rank: 75.00 | Median 81.25

Duration: 4 yrs FT / 10 yrs PT

Recommended studies: Mathematics (Extension 1) and at least one science-related subject (Physics or Chemistry preferred)

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. As a Chemical Engineer you will have the opportunity to 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. Study at the University of Newcastle, one of only three Australian member institutions of the Global Engineering Education Exchange Program (Global e3).

Practical experience: As an engineering student at the University of Newcastle you will have the opportunity to complete 12 weeks of industrial experience during your degree. Through your work placement, you'll build important professional networks and put your learning into practice.

Career opportunities: Upon graduation, you can work in careers such as:

- Biotechnology Engineer
- Chemical Safety Manager
- Environmental Remediation Engineer
- Mineral Processing Engineer
- Nuclear Engineer
- Water Treatment Designer

Professional recognition: This program is accredited through Engineers Australia and the Institution of Chemical Engineers (UK), meaning graduates have greater opportunities for international mobility. Students who successfully complete the Bachelor of Chemical Engineering (Honours) are eligible to apply for membership to the Institution of Chemical Engineers.

Combine this degree with:

- Bachelor of Business
- Bachelor of Mathematics
- Bachelor of Science

Bachelor of Civil Engineering (Honours)

UAC code: 482610 **Location:** Newcastle – Callaghan

2024 Selection Rank: 75.00 | Median 81.75

Duration: 4 yrs FT / 10 yrs PT

Recommended studies: Mathematics (Extension 1) and at least one science-related subject (Physics or Chemistry preferred)

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. 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.

Practical experience: As an engineering student at the University of Newcastle you will have the opportunity to complete 12 weeks of industrial experience during your degree. Through your work placement, you'll build important professional networks and put your learning into practice.

Career opportunities: Upon graduation, you can work in careers such as:

- Civil Engineering Designer
- Geotechnical Engineer
- Project Manager
- Stormwater Engineer
- Structural Engineer
- Transport Systems Engineer

Professional recognition: This program is accredited through Engineers Australia and the Washington Accord and is internationally recognised, allowing you to take your career anywhere in the world. The University of Newcastle is also one of only three Australian member institutions of the Global Engineering Education Exchange Program (Global e3).

Combine this degree with:

- Bachelor of Business
- Bachelor of Environmental Engineering (Honours)
- Bachelor of Mathematics
- Bachelor of Surveying (Honours)

Bachelor of
**Computer Systems
Engineering (Honours)**

UAC code: 482630 **Location:** Newcastle – Callaghan

2024 Selection Rank: 75.00 | Median 99.95

Duration: 4 yrs FT / 10 yrs PT

Recommended studies: Mathematics (Extension 1) and at least one science-related subject (Physics or Chemistry preferred)

Computer systems engineers use digital and computing technologies to solve problems in industrial systems. As part of a Bachelor of Computer Systems Engineering (Honours), you 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, 5G/6G networks, autonomous vehicles, network security, and artificial intelligence. You will graduate with a unique skill set that spans hardware design, embedded system design, machine learning, communications systems and networks. You will work in sectors that are the building blocks of modern society, including automation, smart homes, intelligent transport, e-health, aviation, civic infrastructure, and mining.

Practical experience: As an engineering student at the University of Newcastle you will have the opportunity to complete 12 weeks of industrial experience during your degree. Through your work placement, you'll build important professional networks and put your learning into practice.

Career opportunities: Upon graduation, you can work in careers such as:

- Computer Systems Analyst
- Cyber Security Engineer
- Electronics Engineer
- Embedded System Developer
- Information Technology Manager
- Machine Learning Specialist

Professional recognition: This program is accredited through Engineers Australia and the Australia Computers Society and is internationally recognised, allowing you to take your career anywhere in the world. The University of Newcastle is also one of only three Australian member institutions of the Global Engineering Education Exchange Program (Global e3).

Combine this degree with:

- Bachelor of Computer Science
- Bachelor of Electrical and Electronic Engineering (Honours)
- Bachelor of Mathematics
- Bachelor of Science

Bachelor of
**Electrical and Electronic
Engineering (Honours)**

UAC code: 482640 **Location:** Newcastle – Callaghan

2024 Selection Rank: 75.00 | Median 91.88

Duration: 4 yrs FT / 10 yrs PT

Recommended studies: Mathematics (Extension 1) and at least one science-related subject (Physics or Chemistry preferred)

At the University of Newcastle, we train electrical engineers capable of solving the world's greatest challenges. As an Electrical and Electronic Engineer, you will 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, automation and control, high speed wireless data communications, electrical transportation systems, micro and nanoelectronics, robotics, 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.

Practical experience: As an engineering student at the University of Newcastle you will have the opportunity to complete 12 weeks of industrial experience during your degree. Through your work placement, you'll build important professional networks and put your learning into practice.

Career opportunities: Upon graduation, you can work in careers such as:

- Automatic Control Systems Engineer
- Biomedical Instrumentation Engineer
- Electrical Design Engineer
- Embedded System Engineer
- Renewable Energy Systems Engineer
- Robotics Engineer

Professional recognition: This program is accredited through Engineers Australia and the Washington Accord and is internationally recognised, allowing you to take your career anywhere in the world. The University of Newcastle is also one of only three Australian member institutions of the Global Engineering Education Exchange Program (Global e3).

Combine this degree with:

- Bachelor of Business
- Bachelor of Computer Systems Engineering (Honours)
- Bachelor of Mathematics
- Bachelor of Mechatronics Engineering (Honours)
- Bachelor of Science (Physics Major)

Bachelor of
**Engineering (Mining
Transfer Program)**

UAC code: 482720 **Location:** Newcastle – Callaghan

2024 Selection Rank: 75.00 | Median N/A

Duration: 4 yrs FT / 10 yrs PT

Recommended studies: Mathematics (Extension 1) and at least one science related subject (Physics or Chemistry preferred)

As a student of the Bachelor of Engineering (Mining Transfer program) you will 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 is offered in conjunction with the University of New South Wales (UNSW) and the University of Wollongong (UOW). You will complete your first two years of study at the University of Newcastle with the remaining two years undertaken at either UNSW or UOW. If you don't wish to transfer universities, you will have the opportunity to apply to move into The University of Newcastle's Bachelor of Civil Engineering (Honours) and receive credit for courses you have already completed.

Practical experience: Your practical experience will be undertaken during the final two years of study, and those two years will be at your chosen transfer university; either the University of New South Wales or the University of Wollongong. Through your work placement you'll build important professional networks and put your learning into practice.

Career opportunities: Upon graduation, you can work in careers such as:

- Development Superintendent
- Mining Engineer
- Mining Superintendent
- Process Engineer
- Strategic Mine Planning Engineer
- Underground Mining Engineer

Professional recognition: Engineers Australia and the Washington Accord and is internationally recognised, allowing you to take your career anywhere in the world. The University of Newcastle is also one of only three Australian member institutions of the Global Engineering Education Exchange Program (Global e3).

Bachelor of Environmental Engineering (Honours)

UAC code: 482650 **Location:** Newcastle – Callaghan

2024 Selection Rank: 75.00 | Median 77.55

Duration: 4 yrs FT / 10 yrs PT

Recommended studies: Mathematics (Extension 1) and at least one science related subject (Physics or Chemistry preferred)

At the University of Newcastle, we train environmental engineers capable of solving the world's biggest challenges. 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 fastest-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.

Practical experience: As an engineering student at the University of Newcastle you will have the opportunity to complete 12 weeks of industrial experience during your degree. Through your work placement, you'll build important professional networks and put your learning into practice.

Career opportunities: Upon graduation, you can work in careers such as:

- Climate Change Impact Consultant
- Environmental Impact Consultant
- Environmental Remediation Engineer
- Sustainable Fisheries Consultant
- Toxic Materials Control Engineer
- Water Reclamation Project Designer

Professional recognition: This program is accredited through Engineers Australia and the Washington Accord and is internationally recognised, allowing you to take your career anywhere in the world. The University of Newcastle is also one of only three Australian member institutions of the Global Engineering Education Exchange Program (Global e3).

Combine this degree with:

- Bachelor of Civil Engineering (Honours)
- Bachelor of Science

Bachelor of Mechanical Engineering (Honours)

UAC code: 482670 **Location:** Newcastle – Callaghan

2024 Selection Rank: 75.00 | Median 79.45

Duration: 4 yrs FT / 10 yrs PT

Recommended studies: Mathematics (Extension 1) and at least one science related subject (Physics or Chemistry preferred)

As a Mechanical Engineer you will design, manufacture and optimise specialist machines and processes. You will find yourself solving 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. With a Bachelor of Mechanical Engineering (Honours), you could design anything from race cars and rockets to wind turbines for renewable energy or build revolutionary biomechanical solutions to enhance human abilities. Mechanical Engineers are valued for their problem-solving ability and generalist knowledge across the different engineering disciplines. You will gain essential workplace skills with professional practice courses and diversify your skills with an elective pathway.

Practical experience: As an engineering student at the University of Newcastle you will have the opportunity to complete 12 weeks of industrial experience during your degree. Through your work placement, you'll build important professional networks and put your learning into practice.

Career opportunities: Upon graduation, you can work in careers such as:

- Mechanical Engineering Designer
- Mechanical Systems Supervisor
- Mechanical Technology Engineer
- Operating Plant Manager
- Engineering Project Manager

Professional recognition: This program is accredited through Engineers Australia and the Washington Accord and is internationally recognised, allowing you to take your career anywhere in the world. The University of Newcastle is also one of only three Australian member institutions of the Global Engineering Education Exchange Program (Global e3).

Combine this degree with:

- Bachelor of Aerospace Systems Engineering (Honours)
- Bachelor of Business
- Bachelor of Mathematics
- Bachelor of Mechanical Engineering (Honours)
- Bachelor of Science (Physics Major)

Bachelor of Mechatronics Engineering (Honours)

UAC code: 482680 **Location:** Newcastle – Callaghan

2024 Selection Rank: 75.00 | Median 85.7

Duration: 4 yrs FT / 10 yrs PT

Recommended studies: Mathematics (Extension 1) and at least one science related subject (Physics or Chemistry preferred)

The Bachelor of Mechatronics Engineering (Honours) focuses on the synergy of electrical, computer and mechanical technologies that lead to new solutions to industrial problems. In this program you will study a diverse range of courses like technical design, automation, and operational performance of electromechanical systems. Mechatronic 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. As a Mechatronic Engineer you might build robots or unmanned aircraft, design bionic implants or even energy harvesting equipment.

Practical experience: As an engineering student at the University of Newcastle you will have the opportunity to complete 12 weeks of industrial experience during your degree. Through your work placement, you'll build important professional networks and put your learning into practice.

Career opportunities: Upon graduation, you can work in careers such as:

- Avionics Engineer
- Data Communications Engineer
- Industrial Automation Engineer
- Robotics Designer
- Smart Infrastructure Designer

Professional recognition: This program is accredited through Engineers Australia and the Washington Accord and is internationally recognised, allowing you to take your career anywhere in the world. The University of Newcastle is also one of only three Australian member institutions of the Global Engineering Education Exchange Program (Global e3).

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)

Bachelor of
**Medical Engineering
(Honours)**

UAC code: 482690 **Location:** Newcastle – Callaghan

2024 Selection Rank: 75.00 | Median 88.23

Duration: 4 yrs FT / 10 yrs PT

Recommended studies: Mathematics (Extension 1)

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 upon graduation you will be uniquely placed to improve lives both locally and around the world. You will have the option to choose from two areas to major in, including Biomechanics and Medical Devices.

Practical experience: As an engineering student at the University of Newcastle you will have the opportunity to complete 12 weeks of industrial experience during your degree. Through your work placement, you'll build important professional networks and put your learning into practice.

Career opportunities: Upon graduation, you can work in industries such as:

- Hospitals
- Health-related manufacturing
- Technology companies
- Pharmaceutical companies
- Research organisations

Professional recognition: This program is provisionally accredited by Engineers Australia. Full accreditation is expected to occur in 2024 after the first cohort of students graduate. The University of Newcastle is also one of only three Australian member institutions of the Global Engineering Education Exchange Program (Global e3).

Bachelor of
**Renewable Energy
Engineering (Honours)**

UAC code: 482708 **Location:** Newcastle – Callaghan

2024 Selection Rank: 75.00 | Median 88.55

Duration: 4 yrs FT / 10 yrs PT

Recommended studies: Mathematics (Extension 1) and at least one science related subject (Physics or Chemistry preferred)

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. Study the Bachelor of Renewable Energy Engineering (Honours) and become an engineer capable of solving the world's greatest challenges.

Practical experience: As an engineering student at the University of Newcastle you will have the opportunity to complete 12 weeks of industrial experience during your degree. Through your work placement, you'll build important professional networks and put your learning into practice.

Career opportunities: Upon graduation, you can work in careers such as:

- Energy Accountant/Auditor
- Energy Management Consultant
- Energy Policy Development Officer
- Renewable Energy Engineer
- Renewable Energy Innovation
- Renewable Energy Systems Designer

Professional recognition: This program is accredited through Engineers Australia. The University of Newcastle is also one of only three Australian member institutions of the Global Engineering Education Exchange Program (Global e3).

Bachelor of
**Software Engineering
(Honours)**

UAC code: 482700 **Location:** Newcastle – Callaghan

2024 Selection Rank: 75.00 | Median 78.35

Duration: 4 yrs FT / 10 yrs PT

Recommended studies: Mathematics (Extension 1) and at least one science related subject (Physics or Chemistry preferred)

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 a 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. You will learn to design the best software architecture solutions, as well as to coordinate the implementation, integration and testing. During your degree, you will have the opportunity to develop your software engineering skills by working on real world projects with industry clients in team environments, giving you the skills necessary to succeed as a software engineer.

Practical experience: As an engineering student at the University of Newcastle you will have the opportunity to complete 12 weeks of industrial experience during your degree. Through your work placement, you'll build important professional networks and put your learning into practice. Students have the opportunity to gain experience working in a software engineering team environment.

Career opportunities: Upon graduation, you can work in careers such as:

- Applications Software Developer
- Information System Manager
- Web Designer and Developer
- Software Engineer
- System Analyst and Designer
- DevOps Engineer

Professional recognition: This program is accredited through Engineers Australia. The University of Newcastle is also one of only three Australian member institutions of the Global Engineering Education Exchange Program (Global e3).

Bachelor of Surveying (Honours)

UAC code: 482705 **Location:** Newcastle – Callaghan

2024 Selection Rank: 75.00 | Median 79.00

Duration: 4 yrs FT / 10 yrs PT

Recommended studies: Mathematics (Extension 1) and preferably at least one science related subject (Physics or Chemistry preferred)

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 the building of a new tunnel, or mapping of flood areas for disaster preparedness. Your work as a surveyor could even see you involved in the prediction of earthquakes and surveying of the ocean floor.

Practical experience: As a surveying student at the University of Newcastle you will have the opportunity to complete 12 weeks of professional practice during your degree. Through your work placement, you'll build important professional networks and put your learning into practice.

This program includes a number of practical fieldwork related classes, providing students with an opportunity to undertake real world exercises, often with the support of local land and mining surveyors.

Career opportunities: Upon graduation, you can work in careers such as:

- Engineering Surveyor
- Geospatial Specialist
- Hydrographic Surveyor
- Mining Surveyor
- Photogrammetrist
- Registered Land Surveyor

Professional recognition: The Bachelor of Surveying (Honours) is accredited by the Council of Reciprocating Surveying 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 degree program is also accredited and recognised by the Land Surveyors Board, Malaysia Board and the Singapore Institute of Surveyors and Valuers (Land Surveying Division).

Combine this degree with:

- Bachelor of Business
- Bachelor of Civil Engineering (Honours)

We also offer a Diploma in Engineering, please refer to the foldout or the website for more information.

Health and Medicine

A long and healthy life is something we all strive for. The field of health and medical services is driven by passionate and caring people, motivated to improve, extend, and even save lives. Our ageing population and increasing rate of chronic illness means that we need more health professionals to provide life-changing treatment and preventative care. From researchers in labs, to doctors, midwives and nurses in hospitals and clinics, pharmacists, radiographers, physiotherapists and everyone in between – there's a wide range of dynamic, exciting professions to choose from.

98.7%

medicine graduates employed full-time within four months¹

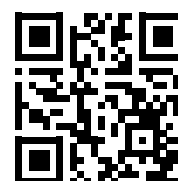
Top 38

in the world – Nursing²

Ranked 8

in Australia for Medicine³

Discover Health and Medicine degrees



¹ Graduate Outcomes Survey 2020-2022

² ShanghaiRanking Global Ranking of Academic Subjects (GRAS) 2023

³ QS World University Rankings by Subject 2023

“My time studying at the University of Newcastle has been full of different experiences and opportunities, and I can confidently say the great majority of those have been positive. Simply, the University of Newcastle is a friendly and supportive environment. For me, it's a place I'm more than happy to thrive in.”

Embarking on his journey to become a doctor, the support Leroy has been offered during his studies from the University, fellow students he's connected with through the Ma & Morley Scholarship Program, and the Wollotuka Institute, has helped him thrive immensely.

These support systems have ensured he's been able to navigate the ups and downs that come with studying, they've provided exciting experiences that have built his personal identity and left him with a “chunky list of memorable moments.”

Leroy

Bachelor of Medical Science/Doctor of Medicine (Joint Medical Program)

Check out Leroy's story



Bachelor of Biomedical Science

UAC code: 482100 **Location:** Newcastle – Callaghan

2024 Selection Rank: 67.00 | Median 87.63

Duration: 3 yrs FT / 8 yrs PT

Recommended studies: Mathematics (Standard or Advanced) and Chemistry and at least one of Physics or Biology

If you're interested in the structure and function of the human body, and understanding the causes of major diseases, then this is the degree for you. The Bachelor of Biomedical Science prepares you for a career in a wide range of biomedical fields. You'll have the opportunity to study a wide range of courses that provide advanced theoretical knowledge in physiology, anatomy, bioinformatics, cell and molecular biology, biochemistry, medical genetics, microbiology, neuroscience, nutritional science, pathophysiology, pharmacology and immunology. Choose from electives in your third year of study to prepare for your career in medical research, the pharmaceutical industry, laboratory medicine or a clinical health profession.

Practical experience: Hone your skills using the highest quality equipment in our world-class, medical sciences precinct on campus. Hands-on experience in clinical laboratories and industry environments is a key component of the Bachelor of Biomedical Science.

Career opportunities: Upon graduation, you will have the knowledge and skills to contribute to the global advancement of medical research, improved practice, government policy and the pharmaceutical industry, including new drug development projects. Graduates can complete further studies in health and medicine, or work in a variety of industries including allied health, pharmaceutical, biotechnology industries, research or academia.

Some typical roles include:

- Clinical Research Coordinator
- Geneticist/Genetic Counsellor
- Laboratory Scientist
- Pharmaceutical Scientist
- Pharmaceutical Product Manager
- Reproductive Medicine/IVF Specialist
- Science Educator

Bachelor of Exercise and Sport Science

UAC code: 482805 **Location:** Newcastle – Callaghan

2024 Selection Rank: 65.00 | Median 72.40

Duration: 3 yrs FT / 8 yrs PT

Assumed knowledge: At least two of Biology, Chemistry, Mathematics (Standard or Advanced) or Physics

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

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 improvements. When you study the Bachelor of Exercise and Sport Science, you will benefit from a comprehensive approach to learning about all aspects of physical health for the entire population. We have a globally recognised program that encompasses all aspects of physical health, delivered through a combination of online and face-to-face teaching. Students will be able to undertake electives in alternative health areas (nutrition, anatomy, podiatry or psychology) as well as education, business or media to prepare themselves for professional or further postgraduate study opportunities.

Practical experience: Gain valuable experience through our 140-hour professional placement program. We offer interesting and dynamic placement opportunities with gyms, clinics, schools, hospitals, and grassroots to elite sporting organisations (incl. Central Coast Mariners, Newcastle Jets, Newcastle Knights, NSW Institute of Sport, Cricket NSW, Central Coast Basketball).

Career opportunities: A wide range of career opportunities exist for exercise scientists in the following sectors:

- Fitness
- Sport
- Community Health
- Corporate Health
- Aged Care
- Education
- Health Clinics/ Hospitals

Professional recognition: Graduates are eligible for accreditation with Exercise and Sport Science Australia (ESSA).

Throughout the degree students also have the option to complete the following credentials:

From year one:

- Registered Exercise Professional (Personal Trainer)
- Level 1 Sports Trainer
- Concussion Management Certificate

From year two:

- Level 1 Strength and Conditioning Coach

Bachelor of Medical Radiation Science (Honours) (Diagnostic Radiography)

UAC code: 483355 **Location:** Newcastle – Callaghan

2024 Selection Rank: 80.00 | Median 86.95

Duration: 4 yrs FT

Assumed knowledge: English (Standard or Advanced) and Mathematics (Standard or Advanced) or Physics

Diagnostic radiography is often the first step in diagnosing, treating and managing injuries and disease. Bachelor of Medical Radiation Science (Honours) (Diagnostic Radiography) students learn how to create medical images to diagnose and manage patient health to save and improve lives. This degree has a strong foundation in physical, biomedical and behavioural sciences. You will build essential clinical reasoning and patient management skills using our latest technologies and facilities. During your studies you will have access to the latest diagnostic radiography technologies in our world-class health sciences precinct. Some of these technologies include plain x-rays, computed tomography (CT), fluoroscopy, magnetic resonance imaging (MRI), ultrasound, angiography and mammography, many of which are available on campus. All University of Newcastle medical radiation science students graduate with Honours, giving you a distinct advantage when seeking employment.

Practical experience: All diagnostic radiography students complete 40+ weeks of professional practice, starting in the first year of studies. During your placement, you are mentored and supervised by qualified diagnostic radiographers.

You may undertake placements in public and private hospitals and practices located in the Hunter Region, NSW, interstate or overseas. You will take part in metropolitan, regional and rural placements as a part of this degree. Rural opportunities will give students valuable experiences not available in major cities or urban centres. Scholarships are available to assist attendance in rural areas throughout the program.

Students have the option to complete placements and/or part of the program from the University of Newcastle Department of Rural Health (UONDRH) Training Centres including locations such as Tamworth and Coffs Harbour. UONDRH staff provide teaching, including tutorials to allow students to complete some or all of years 3 and 4 based at UONDRH.

Career opportunities: Our radiography graduates are qualified to register and work as diagnostic radiographers, working closely with patients and other health professionals to diagnose and monitor illnesses and injuries using medical images. You may find yourself working in settings such as private radiology practices, and in hospitals in accident and emergency wards and operating theatres. Diagnostic radiographers play an important role in medicine and health care and contribute significantly to improving community health.

Some typical roles include:

- Diagnostic Radiographer
- Chief Radiographer
- Sonographer
- CT Radiographer
- MRI Radiographer
- Mammographer

Professional recognition: Once you graduate, you are eligible to apply for registration with the Medical Radiation Practice Board of Australia under the Australian Health Practitioner Regulation Agency (AHPRA).

Bachelor of
**Medical Radiation Science
(Honours) (Nuclear
Medicine)**

UAC code: 483365 **Location:** Newcastle – Callaghan

2024 Selection Rank: 71.00 | Median 92.00

Duration: 4 yrs FT

Assumed knowledge: English (Standard or Advanced) and Mathematics (Standard or Advanced) or Physics

In this rewarding degree, you'll learn to diagnose, treat, and help prevent diseases using radioactive substances – giving patients the best chance of living a full and healthy life. In this degree you will learn how to conduct nuclear medicine scans of a person's body using radiopharmaceuticals. Under the supervision of leading medical staff, you'll be using specialised equipment to track radiopharmaceuticals as they move through the body. These techniques help identify disease or injury at a very early stage. You'll have access to the latest technologies on campus in our world-class, health sciences precinct which includes a radio-pharmacy laboratory, CT laboratory, and nuclear medicine image processing software. All University of Newcastle medical radiation science students graduate with Honours, giving you a distinct advantage when seeking employment.

Practical experience: You will complete more than 40+ weeks of clinical placement, supervised and mentored by qualified nuclear medicine scientists in both public and private centres, locally and across Australia.

You will take part in metropolitan, regional and rural placements as part of this degree. Rural opportunities will give students valuable experiences not available in major cities or urban centres. Scholarships are available to assist attendance in rural areas throughout the program.

Students have the option to complete placements and/or part of the program from the University of Newcastle Department of Rural Health (UONDRH) Training Centres including locations such as Tamworth and Coffs Harbour. UONDRH staff can provide teaching, including tutorials to allow students to complete some or all of years 3 and 4 based at UONDRH.

Career opportunities: As a nuclear medicine scientist, you'll apply advanced medical imaging technologies and radioactive chemical compounds (called radiopharmaceuticals) to image and measure the function or physiology of the body.

Our graduates are highly sought after with work being found very soon after graduating. In most cases, our graduates have sourced jobs even before studies are completed.

Some typical roles include:

- Nuclear Medicine Technologist/Scientist
- Nuclear Medicine Research Scientist
- Sonographer
- Medical Imaging Sales Representative
- Applications Specialist
- Radiopharmaceutical Development and Production
- University Lecturer/Academic

Professional recognition: Our nuclear medicine graduates are eligible to apply for registration with the Medical Radiation Practice Board of Australia under the Australian Health Practitioner Regulation Agency (AHPRA).

Bachelor of
**Medical Radiation Science
(Honours) (Radiation
Therapy)**

UAC code: 483375 **Location:** Newcastle – Callaghan

2024 Selection Rank: 71.00 | Median 80.90

Duration: 4 yrs FT

Assumed knowledge: English (Standard or Advanced) and Mathematics (Standard or Advanced) or Physics

In this degree you will use sophisticated radiation technology to target cancer cells – allowing cancer to be managed and cured. Students have access to world-class facilities in our on-campus health sciences precinct. Our radiation therapy students have the opportunity to engage with our global clinical partners in our newly established Global Centre for Research and Training in Radiation Oncology (GC-RTRO). This teaching space is the first of its kind in Australia with state-of-the-art facilities including a clinical grade Linear Accelerator and Simulation Laboratory. You'll train alongside clinical experts, advanced practice clinicians, industry partners and providers, and leading researchers in the field. All University of Newcastle medical radiation science students graduate with Honours, giving you a distinct advantage when seeking employment.

Practical experience: Students complete 40+ weeks of mentored professional practice in metropolitan, regional and rural settings. Rural opportunities will give students valuable experiences not available in major cities or urban centres. Scholarships are available to assist attendance in rural areas throughout the program.

You may undertake placements in public and private hospitals and practices located in the Hunter Region, NSW or interstate.

Students have the option to complete placements in conjunction with the University of Newcastle Department of Rural Health (UONDRH) Training Centres including locations such as Tamworth and Coffs Harbour. UONDRH staff can provide placement support and additional learning opportunities to allow students to gain holistic clinical skills during their UONDRH placement.

Career opportunities: As a Radiation Therapist, you can make a real difference in the lives of cancer patients and their families. Our graduates enjoy great job prospects, with the majority finding work soon after completing their degree.

Some typical roles include:

- Radiation Therapist
- Advanced Practitioner in specialised areas of radiation therapy
- Product/Clinical Specialist
- Radiation Oncology Centre Manager
- Cancer Trials Specialist
- Cancer Research Scientist
- University Lecturer/Academic
- Clinical Educator

Professional recognition: Our Radiation Therapy graduates are eligible to apply for registration with the Medical Radiation Practice Board of Australia under the Australian Health Practitioner Regulation Agency (AHPRA).

Bachelor of
**Medical Science/Doctor
of Medicine (Joint Medical
Program)**

UAC code: 785000 **Location:** Newcastle – Callaghan
785000 Gosford – Central Coast Clinical School

2024 Selection Rank: N/A | Median N/A

Duration: 5 yrs FT

Recommended studies: English (Standard or Advanced)

Entry requirements: There are additional entry requirements for this degree. Please visit website for more information.

Graduate in five years with two qualifications under your belt. The Bachelor of Medical Science and Doctor of Medicine – Joint Medical Program (JMP) provides students with the skills and knowledge to begin a career that will help restore, maintain and promote individual and community health in Australia and around the world. The JMP is delivered in partnership with the University of New England. This partnership is in collaboration with the Central Coast Local Health District and the Hunter New England Local Health District. Students will plan and implement their own medical research project, with the support of experienced supervisors. In the final year the focus is on preparing you to become a work-ready intern. Aboriginal and Torres Strait Islander pathway options are available via the Miroma Bunbilla Program.

Practical experience: Our clinical teachers are highly skilled, and many have gained national and international recognition in their fields of expertise. Your clinical experience will begin in the first semester and greatly increase throughout the five years.

You'll meet with patients in general practice facilities, hospital wards and outpatient clinics. You'll gain hands-on experience delivering healthcare using the latest technologies. Through our extensive networks, you'll also spend time with doctors and their teams in urban, rural, and regional settings.

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. You will develop an understanding of global health systems and have opportunities to undertake placements abroad.

Career opportunities: Our graduates enjoy excellent job prospects. Following completion of the intern year, a wide range of roles are possible with further postgraduate training.

Some typical roles include:

- Diagnostic Specialists, e.g. Radiologists, Pathologists
- Emergency Doctors
- General Practitioners (GPs)
- Medical Administrators
- Medical Researchers
- Medical Specialists, e.g. Obstetricians and Gynaecologists, Paediatricians, Psychiatrists, Public Health Physicians, Surgeons

Professional recognition: On successful completion of the JMP, graduates are eligible for provisional registration with the Medical Board of Australia under the Australian Health Practitioner Regulation Agency (AHPRA). A period of accredited intern training is then required before general registration as a medical practitioner can be approved.

Bachelor of Midwifery

UAC code: 483400
Location: Newcastle – Callaghan (FT)
 483401 Newcastle – Callaghan (PT)
 489811 Gosford – Central Coast (FT)
 483402 Gosford – Central Coast (PT)

2024 Selection Rank: 78.00 | Median 86.38

Duration: 3 yrs FT / 6 yrs PT

Recommended studies: English (Band 4 or higher), Mathematics (Standard) plus Biology or Chemistry

Entry requirements: There are additional entry requirements for this degree. See website for more information.

As a midwife, you will partner with women/ birthing people, their babies and their families through pregnancy, labour, birth, and the early parenting period. You will work alongside women and families to achieve the best health outcomes for mothers and their babies. Our Bachelor of Midwifery program produces outstanding midwifery graduates that are highly sought after. The degree has been co-designed with industry stakeholders to ensure our students are equipped with the most current midwifery knowledge and practice. You will complete your clinical placement under the supervision of a midwife (or sometimes an obstetrician). You will have the opportunity to learn and practise your clinical skills in our state-of-the-art simulation labs. Students have the option to study at our new state-of-the-art Central Coast Clinical School, our nation-leading medical, nursing and midwifery teaching and education facility.

Practical experience: This degree requires students to participate in midwifery professional experience placements in NSW Health and other partnering facilities. You will have the opportunity to complete over 1,000 hours of clinical experience in a maternity service environment. You will engage in simulated practice in specially designed simulation laboratories and will participate in midwifery skills practise, including physical examination, and social and emotional assessment, with childbearing women and gender diverse people. Your clinical placement will be taken under the supervision of a midwife (or an obstetrician) in the Hunter and Central Coast region.

Career opportunities: Upon graduation you can go on to work as a midwife in the home and community, in hospital or health clinics, in public health settings, private practice, and urban or rural areas. You can specialise across the continuum of pregnancy, birth and postnatal care, or in any number of specialty areas, including antenatal education, reproductive health, and maternal-fetal medicine. You can also work in careers such as: policy, government, education, and research. Some of these positions may require further study.

Professional recognition: Midwifery graduates are eligible to apply for registration as a midwife with the Nursing and Midwifery Board of Australia, under the Australian Health Practitioner Regulation Agency (AHPRA).

Bachelor of Nursing

UAC code: 483600
Location: Newcastle – Callaghan
 483610 Gosford – Central Coast Clinical School

2024 Selection Rank: 63.00 | Median 69.48

Duration: 3 yrs FT / 6 yrs PT

Recommended studies: English (Standard or Advanced), Mathematics (Standard) and Biology

Nurses play an important role in improving the lives of so many – and are essential to all healthcare systems. While studying a Bachelor of Nursing at the University of Newcastle, you will experience diverse and fast-paced medical environments through professional experience placement opportunities, including medical-surgical facilities, acute care, aged care and rural health clinics. You will learn the fundamental skills of providing excellence in caring for individuals, families, and communities. Whichever career path you choose as a registered nurse you can be sure that you'll be making an important and meaningful contribution to society. Students also have the option to study at our new state-of-the-art Central Coast Clinical School, our nation-leading medical, nursing and midwifery teaching and education facility. Some students may be eligible for the School Based Traineeship Admission Pathway into Nursing.

Practical experience: You will complete 800 hours of compulsory clinical experience. During your professional experience placements, you'll gain valuable hands-on experience in a range of health facility locations across NSW. Hands-on clinical experience is also completed in simulation laboratories on campus.

Career opportunities: Upon graduation, you can work in industries such as:

- Aged Care
- Mental Health
- Community Health
- Critical Care
- Intensive Care
- Oncology

Professional recognition: Nursing graduates are eligible to apply for registration with the Nursing and Midwifery Board of Australia, under the Australian Health Practitioner Regulation Agency (AHPRA).

Bachelor of Nutrition and Dietetics (Honours)

UAC code: 483650
Location: Newcastle – Callaghan

2024 Selection Rank: 72.00 | Median 78.45

Duration: 4 yrs FT

Recommended studies: Chemistry

Demand for Bachelor of Nutrition and Dietetics (Honours) graduates is growing as diet and nutrition-related diseases – such as heart disease, diabetes and some cancers – become increasingly common worldwide. Students are taught by world-class educators and researchers. They will learn how to use the latest evidence to treat and prevent nutrition related diseases and promote optimal mental health. The degree combines theoretical and scientific knowledge with practical learning to ensure you are well-prepared for a career in nutrition and dietetics. In this degree you will gain skills to contribute to global wellbeing. Students will learn critical problem-solving, communication and research skills to support understanding of the relationship between food and health.

Practical experience: You will complete professional placements and obtain more than 800 hours of supervised professional practice in a variety of settings across NSW including hospitals, outpatient clinics, food service/industry, non-government organisations, community health centres and within rural communities.

Career opportunities: A career in nutrition and dietetics is immensely rewarding, as you help people understand how nutrition and health are intertwined. The field of nutrition and dietetics is growing swiftly, providing our graduates with an array of interesting and rewarding career options, including:

- Dietitian
- Public Health Nutritionist/Health Promotion Officer
- Food Service Manager
- Health Administrator
- Health Writer
- Nutritionist
- Researcher
- Sports Dietitian

Professional recognition: Our students are eligible to apply for Accredited Practising Dietitian status as well as full membership to Dietitians Australia.

Bachelor of
**Occupational Therapy
(Honours)**

UAC code: 483700 **Location:** Newcastle – Callaghan

2024 Selection Rank: 87.00 | Median 92.15

Duration: 4 yrs FT

Recommended studies: Biology (Standard or Advanced) and Mathematics (Standard)

Bachelor of Occupational Therapy (Honours) graduates work with individuals, groups and communities to help them overcome challenges and get the most out of everyday life activities. They work with children to help them reach developmental milestones or to participate in school and social situations, support recovery and inclusion in their communities for people with mental health difficulties, assist people to return to their daily lives after a stroke or hip replacement and support return to work following an accident. Students gain theoretical knowledge in biomedical, behavioural and occupational sciences, and develop occupational therapy professional reasoning and skills through case-based learning and practical classes.

Practical experience: All occupational therapy students complete 1,000 hours of professional practice, commencing in first year. During your placement courses you will have the opportunity to be immersed in real-world clinical and community settings. You are mentored and supervised by qualified occupational therapy educators. You can undertake your placement in a variety of settings: locally, in rural and remote locations, and nationally, with clients from across the lifespan and with a range of conditions.

During your study, you have access to interactive, technology-based learning facilities including our specially designed clinical skills laboratories.

Career opportunities: Embark on a rewarding career as an occupational therapist, working closely with individuals to assess their unique situation, determine goals, and put together a plan for success.

Some typical roles include:

- Disability Services Manager
- Injury Management Adviser
- Lifestyle Coordinator
- Occupational Therapist
- Rehabilitation Consultant

Professional recognition: Accredited by the Occupational Therapy Board of Australia (OTB) under the Australian Health Practitioner Regulation Agency (AHPRA).

Bachelor of
Oral Health Therapy

UAC code: 483750 **Location:** Central Coast – Ourimbah

2024 Selection Rank: 88.00 | Median 93.45

Duration: 3 yrs FT

Recommended studies: Chemistry and Biology

The Bachelor of Oral Health Therapy program provides dual qualifications in dental hygiene and dental therapy, with the scope of practice qualifying you to treat both children and adults. Our program offers a full restorative scope of practice which enables you to provide dental restorations for all age groups. You will learn valuable skills from professional dental practitioners during your studies. You'll build your scientific knowledge and clinical skills, using a population-based approach to oral health care. Courses are drawn from a variety of disciplines including clinical treatment for children, the elderly, Indigenous Australians and special needs groups, communication, preventative healthcare and promotion, restorative dentistry, primary teeth extraction, human bioscience and anatomy, oral pathology, periodontology and radiography.

Practical experience: Students' complete up to 1000 clinical placement hours split between their second and final year. You will develop skills in our on-campus oral health clinic and advanced simulation laboratory. Later in your degree, you will undertake clinical placements in rural and urban regions across NSW. Clinical placements could include working in areas such as childcare facilities, community dental clinics, public hospital dental clinics, residential aged care facilities and specialist dental departments.

Career opportunities: With dual qualifications in dental hygiene and dental therapy, many University of Newcastle graduates are quickly employed.

As an oral health therapist, you'll work closely with dental practitioners to provide a range of preventive, periodontal and restorative procedures like oral health advice, supra and subgingival debridement, dental polishing, dental x-rays, dental restorations, and the extraction of primary teeth.

Some typical roles include:

- Dental Hygienist
- Health Promotion Officer
- Industry Sales Representative
- Oral Health Academic
- Oral Health Therapist
- Public Health Practitioner

Professional recognition: Accredited by the Australian Dental Council. Once you graduate, you will be eligible to apply for registration with the Australian Health Practitioner Regulation Agency (AHPRA) as an Oral Health Therapist.

Bachelor of
Pharmacy (Honours)

UAC code: 483800 **Location:** Newcastle – Callaghan

2024 Selection Rank: 72.00 | Median 84.68

Duration: 4 yrs FT

Assumed knowledge: Mathematics (Extension 1 or 2) or Mathematics (Band 5 or 6), English (Advanced), Chemistry and Physics

Pharmacists play an integral role in the provision of healthcare services. 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. Develop hands-on skills in the fully functioning demonstration pharmacy, including preparing and dispensing medicines. Theoretical knowledge in biomedical, pharmaceutical sciences and pharmacotherapeutics are taught in the program.

Practical experience: Students complete more than 420 hours of professional practice during their degree, starting in their first year. You can undertake your placement in a variety of settings including community and aged care facilities, hospitals, and rural pharmacies throughout the Hunter, Central Coast, Mid North Coast and the University's Department of Rural Health sites.

During your placement, you are mentored and supervised by qualified pharmacy educators. To prepare you for your placements, you will build practical skills in our fully functioning demonstration pharmacy.

Career opportunities: As a pharmacist, you'll be on the industry frontline – counselling people on the best use and management of medications.

You will discover a range of options that you can choose to pursue in your pharmacy career. You could find yourself working in areas such as investigating drug design, discovery and formulation, to pharmacy practice, personalised healthcare and health technology assessment. Typical roles include:

- Aged-care Pharmacist
- Community Pharmacist
- Hospital Pharmacist
- Industrial Pharmacist
- General Practice Pharmacist
- Researcher
- Medical Writer
- Consultant/Accredited Pharmacist
- Clinical Research Coordinator
- Diabetes Educator
- Pharmacist Immuniser

Professional recognition: Once you graduate, you will need to complete a one-year internship before being registered with the Pharmacy Board of Australia under the Australian Health Practitioner Regulation Agency (AHPRA) requirements. This degree is accredited by the Australian Pharmacy Council.

Bachelor of Physiotherapy (Honours)

UAC code: 483850 **Location:** Newcastle – Callaghan

2024 Selection Rank: 97.00 | Median 99.95

Duration: 4 yrs FT

Assumed knowledge: Chemistry, English (Advanced) and at least one of Physics or Biology

Work with people of all ages to help them stay well and maintain their function, independence and quality of life. This program integrates clinical and basic sciences, focusing on evidence-based physiotherapy practice. The program involves case-based learning with a strong inter-disciplinary focus. Students learn exceptional communication and interpersonal skills needed to work one on one with patients. You will gain professional physiotherapy skills underpinned by relevant biomedical and behavioural sciences.

Practical experience: All students complete professional placement during their degree, starting in first year. During your placement, you are mentored and supervised by qualified physiotherapy professionals.

Students undertake clinical placements in a wide variety of settings including hospital inpatients and outpatients, community and rehabilitation centres, private practices and aged care. Placement can be carried out both locally and nationally, with a mandatory rural placement component.

Career opportunities: Physiotherapists work in various public and private settings including hospitals, rehabilitation and community centres, aged care, with sporting teams and in private practice.

A physiotherapy qualification from the University of Newcastle will ensure you have the vital skills required to excel as a health professional.

Typical roles include:

- Cardiorespiratory Physiotherapist
- Continence and Women's Health Physiotherapist
- Exercise Rehabilitation/Injury Management Adviser
- Gerontological, Musculoskeletal, Neurological and Paediatric Physiotherapist
- Rehabilitation Consultant

Professional recognition: This degree has full accreditation awarded by the Australian Physiotherapy Council. Graduates are eligible to apply for registration with the Physiotherapy Board of Australia under the Australian Health Practitioner Regulation Agency (AHPRA).

Bachelor of Podiatric Medicine

UAC code: 483905 **Location:** Central Coast – Ourimbah

2024 Selection Rank: 77.00 | Median 93.00

Duration: 4 yrs FT

Assumed knowledge: Chemistry and Mathematics (Standard or Advanced)

You will be part of the inaugural cohort in the 4-year Podiatry program delivered jointly with Western Sydney University. You will have the opportunity to apply for the program component focusing on administering medicine to patients. The program includes jointly taught podiatry subjects with practical work completed at the student's home institution. The Joint Podiatric Program offers real-life experience under experienced podiatrists' guidance. You'll work in advanced clinics, using modern technologies for diagnosis and treatment. The specialist clinic area will cover surgery, paediatrics, sports injuries, and more. Students will be exposed to the latest technology and evidence practice in treating a wide range of podiatric pathologies. You will care for lower limbs, addressing foot pain that affects all ages and lifestyles. This pain can lead to discomfort in the back and joints by altering how you stand, walk, and run.

Practical experience: Students complete more than 1,000 hours of practical experience during their second, third and fourth year of studies which will help them to become career-ready graduates. The program strongly supports students with multidisciplinary experiences that will help the transition into the workforce. Our state-of-the-art teaching facilities include orthoses, clinical skills, and research laboratories. You will work alongside experienced podiatrists and practise on real patients in the University of Newcastle Student Podiatry Clinics located at Wyong Hospital and Newcastle Hospital (Hunter Street). Students also partake in external placements in rural and regional areas.

Career opportunities: Podiatrists are crucial for sports injuries, paediatric concerns, diabetes, and more. Due to shortages, the field's demand is strong, as noted on the government's Skills Priority List.

Our graduates enjoy great job prospects with work being secured soon after finishing their degree. On completion of this degree, you'll be able to work in a range of health environments, such as general or specialised podiatry practice (e.g sports podiatry), private and public practices, hospitals, rehabilitation and community health centres, sports clinics, research centres and consultancy.

Professional recognition: After graduating, you will be eligible to apply for registration with the Podiatry Registration Board of Australia under the Australian Health Practitioner Regulation Agency (AHPRA).

Accredited by the AHPRA Accreditation Committee.

Bachelor of Speech Pathology (Honours)

UAC code: 484150 **Location:** Newcastle – Callaghan

2024 Selection Rank: 75.00 | Median 82.38

Duration: 4 yrs FT

Recommended studies: Biology, Chemistry, Mathematics (Standard or Advanced) and English (Advanced)

Speech pathologists are allied health professionals with a comprehensive knowledge of communication and swallowing. Speech pathologists work with individuals, families and communities to support and advocate for individuals with communication and swallowing needs and the people who care for them, as well as implementing prevention and promotion strategies to reduce the negative impacts of speech related issues. When you undertake the Bachelor of Speech Pathology (Honours), you'll have the opportunity to study with award-winning researchers and gain an understanding of the profession through substantial clinical experience. This degree is an interdisciplinary program. Throughout the degree, you will study linguistics, human bioscience, statistics, psychology as well as speech pathology specific courses. You will learn and develop the necessary skills to confidently take on the full range of conditions that speech pathologists assess and treat, including all acquired and developmental human communication disorders, swallowing disorders, speech disorders, fluency disorders, voice disorders and communication disorders of neurological origin.

Practical experience: Develop impressive real-world skills with more than 20 weeks or 80 hours of clinical placement and a comprehensive range of practical experiences. Opportunities exist for placements in local, metropolitan, regional and rural clinics within Australia and internationally. Additionally, some clinical placements are completed within the University of Newcastle's on-campus speech pathology clinic.

Career opportunities: The strong practical focus of this degree, and professional accreditation, prepares graduates for immediate professional employment. Diverse work opportunities exist in hospitals, community health centres, schools, private practice and aged care facilities. As well as working as a speech pathologist, there are opportunities for graduates to work in other related roles in health promotion, research and health services. Fluency in other languages enriches the skills and services provided by professional speech pathologists. Concurrent enrolment in the Diploma in Languages unlocks unique opportunities and career pathways in Australia and around the world.

Professional recognition: Accredited by the Speech Pathology Association of Australia. Mutual recognition of credentials is available in Canada, the United Kingdom, New Zealand, Ireland and the United States of America. For more information about mutual recognition and what this means, visit Speech Pathology Australia.

Humanities and Social Sciences

Are you fascinated by how different people interact, and the way society operates? Maybe you're passionate about art, language, history, Indigenous studies, politics or religion? There's so much to explore in the areas of Humanities and Social Sciences, and even more career pathways for you to follow. You might work to address social challenges in local and global communities. Or maybe you're striving to become a curator, creative director or producer, a translator or journalist, a community development manager or cultural heritage conservationist. The opportunities are vast – and growing every day.

Top 250

in the world – Social Sciences¹

Top 250

in the world – Arts and Humanities¹

Top 200

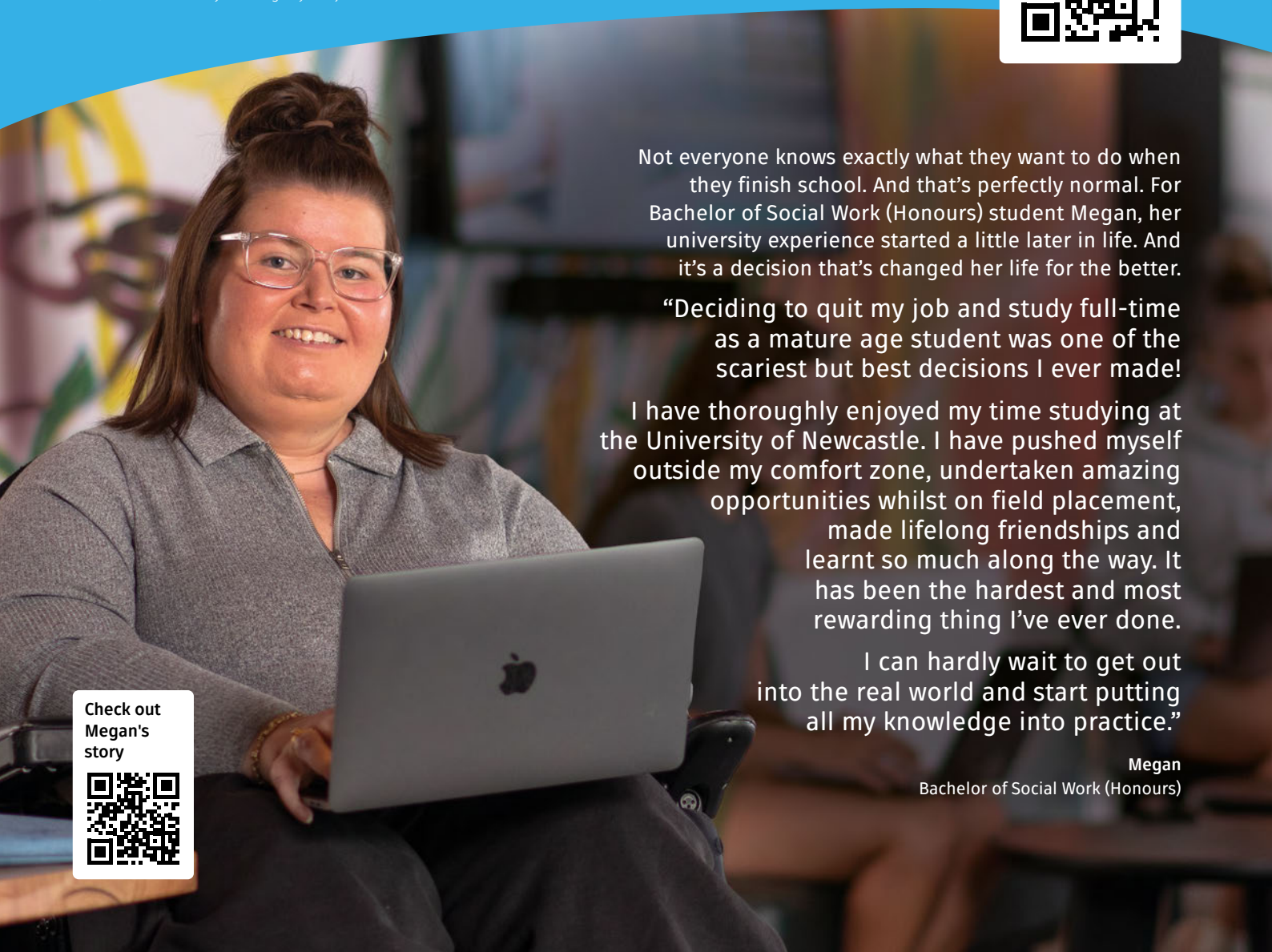
in the world – Sociology²

Discover
Humanities and
Social Sciences
degrees



1 2024 Times Higher Education Rankings

2 QS World University Rankings by Subject 2022



Not everyone knows exactly what they want to do when they finish school. And that's perfectly normal. For Bachelor of Social Work (Honours) student Megan, her university experience started a little later in life. And it's a decision that's changed her life for the better.

“Deciding to quit my job and study full-time as a mature age student was one of the scariest but best decisions I ever made!

I have thoroughly enjoyed my time studying at the University of Newcastle. I have pushed myself outside my comfort zone, undertaken amazing opportunities whilst on field placement, made lifelong friendships and learnt so much along the way. It has been the hardest and most rewarding thing I've ever done.

I can hardly wait to get out into the real world and start putting all my knowledge into practice.”

Megan

Bachelor of Social Work (Honours)

Check out
Megan's
story



Bachelor of Arts

UAC code: 482010
482040
Location: Newcastle – Callaghan
Online

2024 Selection Rank: 62.00 | Median 75.65

Duration: 3 yrs FT / 8 yrs PT

Recommended studies: English (Advanced) (for all majors) and Mathematics (Standard or Advanced) (for Psychology Studies major)

Enrich your mind, diversify your skills and safeguard your future with our work-ready arts degree. Forge your own path by choosing from 20 majors and minors and hundreds 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. Learn about society, culture, history, language, media, politics and more.

Practical experience: You will complete a minimum 140-hour placement within the later stages of your studies. There will be a variety of opportunities available to acquire a placement in your desired career field. This includes local, state and commonwealth public service, non-government organisations, higher education, media and communications, arts and cultural organisations, musical ensembles and production, news media, and museums and libraries.

Career opportunities: Upon graduation, you can work in industries such as:

- Local, state and commonwealth public service
- Non-government organisations
- Higher education
- Media and communications
- Arts and cultural organisations

Combine this degree with:

- Bachelor of Innovation and Entrepreneurship
- Bachelor of Laws (Honours)
- Bachelor of Music and Performing Arts
- Bachelor of Science

Bachelor of Development Studies

UAC code: 482550
Location: Newcastle – Callaghan

2024 Selection Rank: 67.00 | Median N/A

Duration: 3 yrs FT / 8 yrs PT

Development, poverty, inequality and environmental sustainability are some of the most important issues in the world today. As a student of the Bachelor of Development Studies you will 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 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 than just places for people to live. You will have the opportunity to choose from one of four majors including Cultures and Citizenship, Environmental Sustainability, Globalisation and Economic Development, and Urban and Regional Development.

Practical experience: This degree places a strong focus on both field trips and work placement. You will have the opportunity to complete fieldwork in the Hunter Valley and Central Coast, giving you the chance to develop research skills by interpreting patterns in the local environment.

You can choose to develop your expertise in community development with a 140-hour work placement as part of your degree. You will also have the opportunity to participate in a global experience with international work placement in countries such as Ecuador, the Philippines, South Korea, Singapore, India, Japan, China, Malaysia, South Africa or Sweden.

Career opportunities: Upon graduation, you can work in careers such as:

- Aboriginal Cultural Educational Officer
- Aid Worker
- Community Development Worker
- Multicultural Community Liaison Officer
- Urban Planner
- Youth Worker

Combine this degree with:

- Bachelor of Business
- Bachelor of Communication
- Bachelor of Global Indigenous Studies
- Bachelor of Laws
- Bachelor of Social Science

Bachelor of Global Indigenous Studies

UAC code: 482001
482002
Location: Newcastle – Callaghan
Online

2024 Selection Rank: 62.00 | Median N/A

Duration: 3 yrs FT / 8 yrs PT

Do you want to work with local and global communities? Do you want to use Indigenous knowledge systems to respond to ecological, social and economic challenges? The Wollotuka Institute is committed to the advancement of Indigenous education at a local, national and international level. Find yourself in a range of careers that need social innovation and digital excellence. Utilise critical Indigenous knowledge to address pressing global issues. This program is designed to deliver culturally secure and innovative social advocates.

Practical experience: You will complete a minimum 140-hour placement within the later stages of your studies. There will be a variety of opportunities available to acquire a placement in your desired career field. This includes local, state and commonwealth public service, non-government organisations, higher education, media and communications, arts and cultural organisations, museums and libraries.

Career opportunities: Upon graduation, you can work in industries such as:

- Global Development Worker
- Organisational Cultural Diversity Practitioner
- Start-up Entrepreneur
- Cultural Heritage Conservationist
- Social Enterprise Founder
- Policy and Research Officer

Combine this degree with:

- Bachelor of Development Studies
- Bachelor of Laws (Honours)

Bachelor of Social Science

UAC code: 484050
484060 **Location:** Newcastle – Callaghan
Central Coast – Ourimbah

2024 Selection Rank: 62.00 | Median 67.50

Duration: 3 yrs FT / 8 yrs PT

Recommended studies: English (Advanced) and Mathematics (Standard or Advanced) (for Psychology Studies major)

Social Science is the study of social systems, institutions, and cultures. This degree will equip you to understand and analyse the social dynamics of the world around you, and develop practical solutions to create positive change. You will learn to analyse and address key social issues and inequalities, using practical strategies and methods to propose evidence-based solutions that can create better outcomes for all. This program allows you to pursue your interests by choosing from a diverse range of majors. You will graduate work ready, with the skills and knowledge you need to pursue a rewarding career.

Practical experience: You will gain practical social science skills in analysis and communication, policy, and research. You will complete a minimum 140-hour placement within the later stages of your studies. There will be a variety of opportunities available to acquire a placement in your desired career field. This includes local, state and commonwealth public service, non-government organisations, higher education, cultural and environmental organisations, and community and family services.

Career opportunities: Upon graduation, you can work in industries such as:

- Public health, welfare and wellbeing sectors
- Government and non-government agencies
- Community and family services and management
- Disability, aged care, indigenous and youth sectors
- Environmental advocacy and community organising
- Research and education fields

Combine this degree with:

- Bachelor of Development Studies
- Bachelor of Laws (Honours)
- Bachelor of Psychological Science

Bachelor of Social Work (Honours)

UAC code: 484101
484110 **Location:** Newcastle – City
Central Coast – Ourimbah

2024 Selection Rank: 65.00 | Median 72.13

Duration: 4 yrs FT / 10 yrs PT

Recommended studies: At least one of English (Standard or Advanced), Society and Culture, Community and Family Studies

Social workers are involved in meaningful, life-changing work. You will learn about supporting and resolving personal and social relationship issues between individuals, families, groups, organisations and communities. The courses you study will teach you to relieve distress, redress inequalities and promote social justice. This program is experience-based and 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 rewarding.

Practical experience: During the third and fourth year of your degree, you will complete two 70-day practical experience blocks, totalling 1,000 hours of supervised experience. The Bachelor of Social Work (Honours) requires you to participate in placements located in NSW services or facilities (including NSW Health facilities). There are also opportunities to complete placements in interstate and international locations.

Career opportunities: Upon graduation, you can work in careers such as:

- Child Protection Officer
- Coordinator of Social Services
- Drug and Alcohol Counsellor
- Mental Health Clinician
- Social Worker
- Welfare Officer

Professional recognition: Accredited by the Australian Association of Social Workers (AASW).

We also offer a Diploma in Arts and Social Science and Diploma in Languages, please refer to the foldout or the website for more information.

If you're passionate about justice and want to understand more about creating real change through legislation and policy – law is the career for you. You'll learn about the principles underlying the Australian legal system while also advocating for legal rights on local, national and global issues. As Australia's leading clinical law school, the Legal Centre at the University of Newcastle's School of Law and Justice provides you with the practical legal training and supervised clinical legal experience needed to practice as an Australian lawyer without any further study.

Top 200

in the world – Law¹

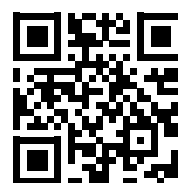
88.6%

employed within 4 months of graduating²

5 years

At the School of Law and Justice, Australia's leading clinical law school, you can become a fully qualified lawyer in 5 years of full-time study.

Discover Law degrees



1 2024 Times Higher Education Subject Rankings

2 Graduate Outcomes Survey 2020-2022 - Undergraduate Law and Paralegal Studies

Studying at Australia's leading clinical law school, Sophia knew she was in the right place to build her experience and jump in headfirst when she graduates as a lawyer.

“Studying at the University of Newcastle has given me an amazing opportunity to gain valuable skills and knowledge through the variety of courses that the Law School offers.

I've experienced firsthand how to communicate and liaise with clients by participating in the University of Newcastle's Free Legal Clinic which offers legal aid and support to community members. And I've been able to develop my courtroom practice through various learning experiences that involved real word legal scenarios.”

In addition to her practical experience, Sophia's involvement in the University of Newcastle's Law Students' Association allows her to network and build a supportive community around her.

Sophia

Bachelor of Criminology/
Bachelor of Laws (Honours)

Check out
Sophia's
story



Bachelor of
Criminology

UAC code: 484896 **Location:** Newcastle – City

2024 Selection Rank: 62.00 | Median 69.15

Duration: 3 yrs FT / 8 yrs PT

Recommended studies: English (Advanced) and Mathematics (Standard or Advanced) (for Psychology Studies major)

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 advocacy, human welfare and more.

Practical experience: You will complete a minimum 140-hour placement within the second or third year of your study. This placement will take place in an organisation that requires criminological input into their policy, evaluation, and professional practices including those that perform criminal justice research, education, or community service. This will expose you to complex factors influencing criminology research and policy, and the cultural diversity of offenders and victims in the criminal justice system.

Career opportunities: Upon graduation, you can work in careers such as:

- Law enforcement
- Courts and corrections
- Policy
- Victim advocacy
- Human welfare, and more

Combine this degree with:

- Bachelor of Laws (Honours)
- Bachelor of Psychological Science

Bachelor of
Laws (Honours) Combined

UAC code: 483100 **Location:** Newcastle – City

2024 Selection Rank: 82.00 | Median 89.23

Duration: 5 yrs FT

This degree is a combined program. This means you combine your Bachelor of Laws with another degree and get two qualifications in only five years of study. If you want to be a practising lawyer, you can also complete the Diploma of Legal Practice and work in the legal system as soon as you graduate. You will have hands-on experience with opportunities to work on real cases, while gaining essential courtroom experience. If you choose not to practise law, a strong legal understanding and the ability to apply logical reasoning means that law graduates are extremely competitive for employment opportunities in a range of different career sectors.

Practical experience: You will complete the first 105 hours of your required supervised clinical legal experience under the supervision of solicitors from our School – either in the legal centre itself or as part of our 'Law on the Beach' program. School staff also assist to arrange external placements to make up the remaining 180 professional training hours required to qualify to practise as a lawyer.

Career opportunities: Upon graduation, you can work in careers such as:

- Corporate Lawyer/Government Lawyer
- Solicitor
- Barrister
- Judge's associate
- Parliamentarian/Member of Parliament/Politician
- Trade Union Official

Professional recognition: Our Bachelor of Laws is accredited by the Legal Profession Admission Board (LPAB) of New South Wales.

Combine this degree with:

- Bachelor of Arts
- Bachelor of Biomedical Science
- Bachelor of Business
- Bachelor of Commerce
- Bachelor of Criminology
- Bachelor of Development Studies
- Bachelor of Global Indigenous Studies
- Bachelor of Innovation and Entrepreneurship
- Bachelor of Media and Communication
- Bachelor of Psychological Science
- Bachelor of Science
- Bachelor of Social Science

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

There's no one type of scientist. Career opportunities are exciting and always evolving. You might work in a lab, discovering life-changing scientific breakthroughs. You could work in science education, sharing your passion and knowledge with the next generation. Maybe you see yourself using science to shape government policy – or something else entirely. A science degree gives you the flexibility to explore your interests and make an impact through the pathway that's right for you.

Top 200

in the world –
Environmental Sciences¹

Top 200

in the world – Geography¹

Rated 89.5%

for Overall Satisfaction²

Discover
Science and the
Environment
degrees



¹ QS World University Rankings by Subject 2023

² Graduate Outcomes Survey 2020-2022 - Undergraduate Agriculture and Environment

Boasting stretches of pristine beaches along Newcastle and the Central Coast's iconic coastline, it's no surprise Eliza chose to study her Bachelor of Coastal and Marine Science at the University of Newcastle.

The hands-on nature of her degree has afforded Eliza a number of once-in-a-lifetime experiences that she's excited to take into her future endeavours.

“My experience at the University of Newcastle has been very hands-on and has allowed me to pursue a variety of my passions. My understanding of course concepts has been deepened by numerous field trips, career-ready placements and the amazing lecturers I have been fortunate enough to work alongside.

A highlight has definitely been receiving a scholarship which allowed me to travel internationally to Borneo, Indonesia, and experience work as a research assistant with leading lecturers over the summer. A trip that was just incredible!”

Eliza

Bachelor of Coastal and Marine Science

Check out
Eliza's story



Bachelor of Biotechnology

UAC code: 482150 **Location:** Newcastle – Callaghan

2024 Selection Rank: 65.00 | Median 77.85

Duration: 3 yrs FT / 8 yrs PT

Assumed knowledge: Mathematics (Advanced) and Chemistry

Recommended studies: Biology and Physics

Develop technologies that improve our community and the health of our planet. The products of biotechnology are all around us in all aspects of our everyday lives. With the recent development of the Covid-19 vaccines, biotechnology has reached new prominence. As a biotechnologist you can be right at the forefront of scientific development and the next big discovery. Harness the natural biochemical and genetic processes of living organisms to benefit the modern world. Biotechnology applies to aspects of genetic engineering, pharmaceuticals, plant and animal agriculture, conservation, food production, renewable fuel development and waste management. The diversity of jobs available in the biotechnology industry continues to increase.

Practical experience: This program features a 10-week full-time industrial placement. This allows you to apply what you have learned to a biotechnology environment and broadens your experience.

In the third year of your degree, you will also spend time in laboratory training. These intense laboratory courses feature hands-on learning and teamwork activities that prepare you for the workplace.

Career opportunities: Upon graduation, you can work in careers such as:

- Biochemist
- Food Scientist
- Forensic Biologist
- National Park Ranger
- Pharmaceutical Scientist
- Reproductive Medicine/IVF Specialist

Professional recognition: Graduates can apply for membership to a range of professional bodies including AusBiotech and Australia's Biotechnology Organisation. Upon graduation you can also apply for memberships with specialist societies including the Australian Society of Biochemistry and Molecular Biology.

Bachelor of Climate Science and Adaptation

UAC code: 484875 **Location:** Newcastle – Callaghan

2024 Selection Rank: 65.00 | Median 68.43

Duration: 3 yrs FT / 8 yrs PT

Assumed knowledge: Mathematics (Standard)

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

Tackle the many challenges associated with quantifying and dealing with climate-related risks. The impacts of climate variability and climate change are affecting our lives like never before. There is an urgent need to better understand, quantify, and adapt to climate-related risks. This is a specialised degree that will help you turn your passion into practice. This program provides you with fundamental tools to tackle 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 reduce the economic, environmental, and social costs of climate hazards.

Practical experience: You will have access to world-class facilities and novel technologies to develop your research and multidisciplinary skills in preparation for entering the career market, as well as professional practice courses to diversify your skills with an elective pathway.

Through our partnerships with industry, you will also engage in a transdisciplinary capstone project.

Career opportunities: Upon graduation, you can work in careers and industries such as:

- Climate Change Operations
- Policy Officer
- Climatology
- Ecology
- Laboratory and Research Work
- Meteorology

Professional recognition: Graduates can apply for membership to a range of professional bodies including the Australian Marine Sciences Association, and the Australian Coral Reef Society.

Bachelor of Coastal and Marine Science

UAC code: 484026 **Location:** Newcastle – Callaghan
484036 Central Coast – Ourimbah

2024 Selection Rank: 65.00 | Median 77.55

Duration: 3 yrs FT / 8 yrs PT

Assumed knowledge: Mathematics (Standard)

Recommended studies: Biology, Chemistry and Earth and Environmental Science

Work with some of the most unique and diverse coastlines and marine ecosystems in the world. Learn from experts in marine, coastal and ecological fields, giving you practical skills to make a difference to our world. Our coastal and marine environments face issues like climate change, pollution and urbanisation. By understanding these ecological, physical, conservation, societal and management issues, we can help find solutions to these problems. You will engage in contemporary issues in the marine environment from day one. Our program features skills-based courses and extensive fieldwork opportunities and integrates subjects like biology, ecology and management of the coastal zone into your program.

Practical experience: Engage in up to 160 hours of career-ready placements while gaining recognised certifications.

Students will experience relevant field-based scenarios and engage with managers and policy makers from industry, government and the not-for-profit sector.

Students can also engage with current research being conducted at the university and in the government sector.

Career opportunities: Upon graduation, you can work in careers such as:

- Waterways and Coastal Officer
- Fisheries Research Assistant
- Environmental Compliance Officer
- Ecologist
- Coastal and Marine Park Governance Officer
- Marine Biologist

Professional recognition: Graduates can apply for membership to a range of professional bodies including the Australian Marine Sciences Association and the Australian Coral Reef Society.

Bachelor of Environmental Science and Management

UAC code: 482750
Location: Newcastle – Callaghan
 482760 Central Coast – Ourimbah

2024 Selection Rank: 65.00 | Median 71.48

Duration: 3 yrs FT / 8 yrs PT

Assumed knowledge: Mathematics (Standard)

Recommended studies: Mathematics (Advanced) Earth and Environmental Science, Chemistry and Biology

Gain the opportunity to explore the science behind human-induced impacts. 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. Gain experience in management-based skills to help protect our environment both now and into the future. Our region offers vast environmental diversity and is perfect for gaining practical experience in the field. We are right on the doorstep of the Hunter Valley mining belt, the Hunter wetlands and the NSW coastline.

Practical experience: Students will complete a 140-hour work placement in a private sector, government or community organisation. There is also the option to undertake overseas field courses.

Fieldwork is a strong focus of the program and is complemented by practical lab work using professional equipment.

You will also be eligible to enrol in international study.

Career opportunities: Upon graduation, you can work in industries such as:

- Conservation and Ecology
- Environmental Science
- Laboratory and Research Work
- Urban and Regional Planning
- Policy and Development
- Marine Biology

Professional recognition: N/A

Combine this degree with:

- Bachelor of Business

Bachelor of Food Science and Human Nutrition

UAC code: 482900
Location: Central Coast – Ourimbah

2024 Selection Rank: 65.00 | Median 66.75

Duration: 3 yrs FT / 8 yrs PT

Recommended studies: Chemistry, Biology, Mathematics (Advanced)

Food is an essential part of life. Society continues to face new challenges in food production and demand for sustainable and healthy choices is growing. As new foods, trends and challenges emerge, we must continue to assess how they impact health. This specialty area of study requires people with a passion for innovative thinking. Food and beverage processing is Australia's largest manufacturing industry. This dynamic industry offers great opportunities for food and nutrition scientists to work in different areas. Examples include product development, food regulation, nutrition, quality assurance, food safety and research. You could work with fresh or processed foods, developing new products, or analysing existing ones.

Practical experience: You will train in the food innovation centre, including commercial-grade kitchens and food analysis and sensory labs. Work through the product development process, initiating and testing product concepts as you would in the industry.

Students also gain industry experience from career-ready placements at local food companies. Gain additional skills and knowledge at field trips and guest lectures.

Career opportunities: Upon graduation, you can work in careers and industries such as:

- Food Scientist, Technologist or Chemist
- Food Biotechnology
- Product and Packaging Technologist
- Sensory and Analytical Scientist
- Quality Control and Quality Assurance Personnel
- Nutrition Education & Nutrition Research

Professional recognition: Graduates can apply for membership to a range of professional bodies including the Australian Institute of Food Science and Technology (AIFST) and the Nutrition Society of Australia (NSA).

Combine this degree with:

- Bachelor of Business

Bachelor of Psychological Science

UAC code: 483970
Location: Newcastle – Callaghan
 483980 Central Coast – Ourimbah

2024 Selection Rank: 65.00 | Median 75.40

Duration: 3 yrs FT / 8 yrs PT

Use science to understand how people think, feel and behave. This program is for those who are interested in using science to understand people. Be inspired to build new knowledge and discover new things using a variety of scientific methods. Cover a broad range of areas such as mental illness, interventions, the biology of the brain, child development and ageing, memory, and decision making. 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.

Practical experience: Career ready placement opportunities can be sought with research labs, the University of Newcastle Psychology Community Clinic, external agencies, and with Industry Partners.

Students will access psychology labs and equipment. They will undertake pre-professional courses each year, preparing for professional practice with guest lectures and problem-based workshops.

Career opportunities: Upon graduation, you can work in careers such as:

- Careers Counsellor
- Caseworker
- Juvenile Justice Officer
- Market Researcher
- Mediator
- Practicing Psychologist (with further study)

Professional recognition: Graduates will receive accreditation through the Australian Psychology Accreditation Council in recognition of their high-quality education and working knowledge.

Combine this degree with:

- Bachelor of Business
- Bachelor of Communication and Media
- Bachelor of Criminology
- Bachelor of Social Science

Bachelor of
**Psychological Science
(Advanced)**

UAC code: 483975 **Location:** Newcastle – Callaghan

2024 Selection Rank: 90.00 | Median 95.70

Duration: 3 yrs FT / 8 yrs PT

Recommended studies: Biology

Be part of a high achieving cohort and learn from working in a multidisciplinary environment centered around the use of scientific methods to address key social problems. The program is designed to give you the skills that employers are seeking, extend your knowledge and deepen your scientific reasoning and critical thinking through advanced coursework and a major project. Deepen your understanding of theoretical methodologies with opportunities to take part in work integrated and project-based learning. 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.

Practical experience: Work and research integrated learning opportunities can be sought with Psychology Biomedical Science and HMRI Research labs, the University of Newcastle Psychology Community Clinic and external agencies.

Students will access psychology labs and equipment. They will undertake pre-professional courses each year, preparing for professional practice with guest lectures and problem-based workshops.

Career opportunities: Upon graduation, you can work in careers such as:

- Careers Counsellor
- Caseworker
- Juvenile Justice Officer
- Market Researcher
- Mediator
- Practicing Psychologist (with further study)

Professional recognition: Graduates will receive accreditation through the Australian Psychology Accreditation Council in recognition of their high-quality education and working knowledge.

Bachelor of
Science

UAC code: 484020 **Location:** Newcastle – Callaghan
484030 Central Coast – Ourimbah

2024 Selection Rank: 65.00 | Median 72.88

Duration: 3 yrs FT / 8 yrs PT

Recommended studies: Investigating Science, Science Extension and at least one of Biology, Chemistry, Earth and Environmental Science and Physics

Science underpins all things including technology, business, environmental management, research and health. Complement and enhance your knowledge by developing business and communication skills. The skills and networks you develop while studying will make you an employable graduate who will contribute solutions to the complex science challenges we face. Design your degree to suit your interests – choose from 10 diverse majors with science and professional pathways to tailor your study experience. Program flexibility means you can pursue multiple areas of interest, including a double major or extended studies. Pathways are available to build professional skills and support you in reaching career goals beyond graduation.

Practical experience: Students will participate in lab work to develop their analytical and communication skills. Depending on chosen majors, students will participate in field trips, seminars and workshops.

Career-ready placement opportunities are available. Examples include volunteering with Oakvale Wildlife Park, the Central Coast Marine Discovery Centre, or working with our researchers on a deep-sea voyage.

Career opportunities: Upon graduation, you can work in careers such as:

- Animal Biologist
- Chemist
- Conservationist/Ecologist
- Data Scientist or Financial Analyst
- Government or Defence Professional
- Medical Physicist, and many more

Professional recognition: Graduates can apply for membership to a range of professional bodies including the Australian Institute of Physics and the Statistical Society of Australia.

Combine this degree with:

- Bachelor of Arts
- Bachelor of Laws
- Bachelor of Innovation and Entrepreneurship
- 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 Mathematics
- Bachelor of Mechanical Engineering (Honours)

Bachelor of
Science (Advanced)

UAC code: 484025 **Location:** Newcastle – Callaghan

2024 Selection Rank: 90.00 | Median 99.43

Duration: 3 yrs FT / 8 yrs PT

Recommended studies: Investigating Science, Science (Extension), Biology, Physics, Chemistry, Earth and Environmental Science
Note: the above is dependant on the major/s you intend to complete.

Science underpins all things including technology, business, environmental management, research and health. Complement and enhance your knowledge by developing business and communication skills. The skills and networks you develop while studying will make you an employable graduate who will contribute solutions to the complex science challenges we face. Join a high-achieving cohort. Learn from leading scientists who will guide you through a tailored program, specifically designed to give you employable skills. Choose from 10 diverse majors with science and professional pathways to tailor your study experience. Program flexibility means you can pursue multiple areas of interest, including a double major or extended studies.

Practical experience: Students will participate in lab work to develop their analytical and communication skills. Depending on chosen majors, students will attend field trips, seminars and workshops.

Career-ready placement opportunities are available. Examples include volunteering with Oakvale Wildlife Park, the Central Coast Marine Discovery Centre, or working with our researchers on a deep-sea voyage.

Career opportunities: Upon graduation, you can work in careers such as:

- Meteorologist
- Neuroscientist
- Oceanographer
- Research Physicist
- Statistician
- Medical Physicist, and many more

Professional recognition: Graduates can apply for membership to a range of professional bodies including the Australian Institute of Physics (AIP) and the Statistical Society of Australia.



 Newcastle campus, Callaghan

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 application.

The Selection Ranks published in this document reflect the minimum Selection Rank (ATAR plus adjustment points) required for any school leaver to secure an offer for Semester 1, 2024 during UAC's December round 2, 2023. Selection Ranks are indicative and subject to change. For the most up-to-date information visit newcastle.edu.au.

Employment rates are from the QILT Graduates Outcomes Survey 2020 - 2022 (qilt.edu.au). Future career and industry projections are sourced from Australian Government Labour Market Insights (labourmarketinsights.gov.au).

← **The University of Newcastle**
Central Coast campuses

- Ourimbah
- Central Coast Clinical School

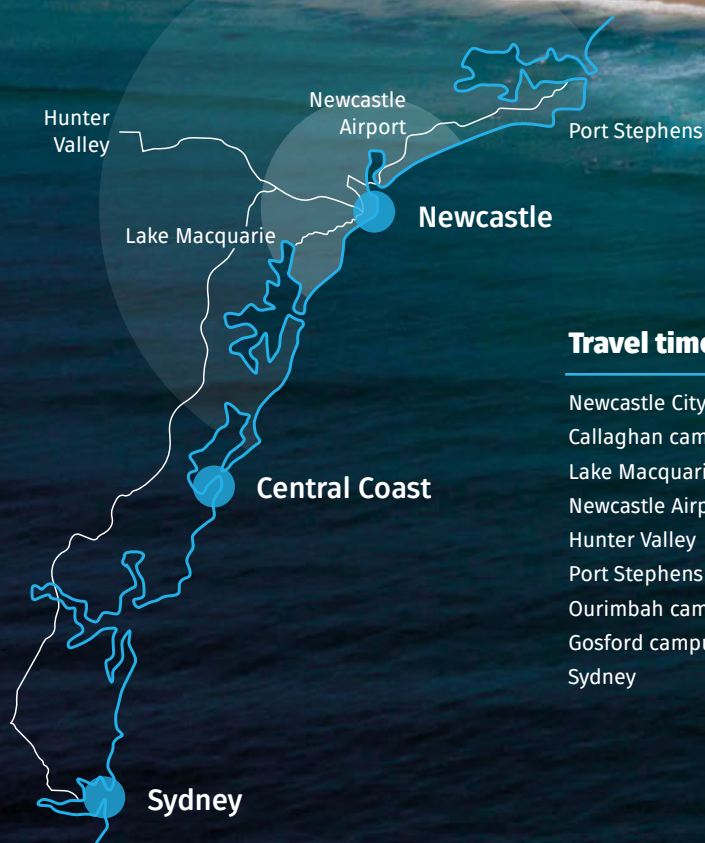
The University of Newcastle
City campuses

- NUspace
- Q Building
- Conservatorium of Music

Newcastle Interchange
Train/Light Rail

Darby Street
Entertainment area

Honeysuckle
Waterfront entertainment area



Travel time*

Newcastle City campus	3mins
Callaghan campus	25mins
Lake Macquarie	25mins
Newcastle Airport	35mins
Hunter Valley	55mins
Port Stephens	1hr
Ourimbah campus	1hr 10mins
Gosford campus	1hr 20mins
Sydney	2hrs 30mins

0 20KM

* All distances are taken from Newcastle CBD and are estimates only.

**The University
of Newcastle**
Callaghan
campus

Newcastle
Airport
Port Stephens



Light Rail stop
Beach access

**Newcastle
Beach**

Newcastle Ocean Baths





newcastle.edu.au/signup



1300 ASK UON (1300 275 866)



Newcastle Campus

Callaghan

University Drive,
Callaghan NSW 2308

Newcastle City Campuses

NUspace

Corner Hunter and Auckland Streets,
Newcastle NSW 2300

Q Building

Corner of Honeysuckle Drive
and Worth Place,
Newcastle NSW 2300

Conservatorium of Music

Corner of Auckland and Laman Streets,
Newcastle NSW 2300

Central Coast Campuses

Ourimbah

Chittaway Road,
Ourimbah NSW 2258

Central Coast Clinical School

Holden Street,
Gosford NSW 2250

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.

Please join us at one of our Open Days:

Central Coast Open Day - 17th August 2024

Newcastle Open Day - 31st August 2024



DISCOVER
OPEN DAYS
ONLINE



Ask a Student

Curious about life on campus? You can 'Ask a Student' to get firsthand insights into student life, study options and more.