

Industry Snapshot

# Health and Medicine



Make a difference to peoples' health and wellbeing



Van Manh, Vietnam  
Bachelor of Nursing



[newcastle.edu.au/int-health-medicine](http://newcastle.edu.au/int-health-medicine)

# Why Health and Medicine

Unlock a world of opportunities with a health, nursing or medicine degree. Prepare yourself for a highly rewarding career that is in high demand, both locally and globally.

Surgical Skills Training Unit  
Callaghan Campus

## Why study Health and Medicine?

One of the most rewarding aspects of studying a health or medical program is the opportunity to make a positive impact on people's lives. Healthcare professionals play a crucial role in improving the health and wellbeing of individuals and communities.

Australia has one of the best healthcare systems in the world<sup>1</sup> and the University of Newcastle offers a wide range of internationally accredited health-related programs, including Medicine, Nursing, Speech Pathology, Public Health, Pharmacy, Nutrition and Dietetics, Physiotherapy, Occupational Therapy, and more. Australian health qualifications are highly respected by employers worldwide.

With an ageing population and a growing need for healthcare services, there is a high demand for qualified healthcare professionals in Australia. Workforce demand in Australia's healthcare and social assistance sector is predicted to increase by 15.8% over the next five years<sup>2</sup>. It is also predicted that the healthcare industry will experience major workforce shortages<sup>3</sup>. This means there are plenty of job opportunities available for graduates.



**Ranked 28**

in the world  
for Nursing<sup>4</sup>



**Ranked 8**

in Australia  
for Medicine<sup>5</sup>



**97.4%**

employed within  
four months of graduating<sup>6</sup>

<sup>1</sup> The Future of Health in Australia. <sup>2</sup> Australian Government Labour Market Information Portal, Health Care and Social Assistance, viewed April 2023.

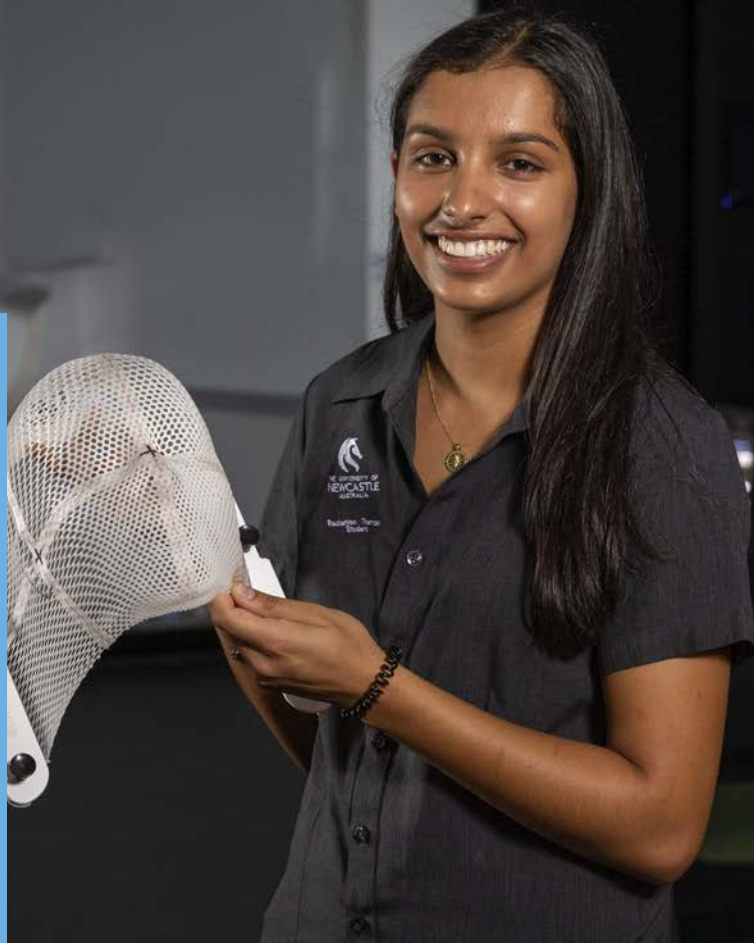
<sup>3</sup> Planning for the healthcare workforce of the future. <sup>4</sup> ShanghaiRankings's Global Ranking of Academic Subjects 2022.

<sup>5</sup> QS World University Rankings by Subject 2023. <sup>6</sup> Graduate Outcomes Survey 2019-2021, Postgraduate Nursing and Midwifery.

# Careers in Health and Medicine

A successful career in Nursing, Health and Medicine not only relies on outstanding training and technical skills, but it also requires strong communication, leadership, and problem-solving skills, which can benefit students in all areas of their lives.

When you graduate from the University of Newcastle you can be assured that your transferable skills combined with world-class qualifications allow you to choose your career path and pursue your passions.



## National employment projections for Health and Medicine jobs<sup>1</sup>

Occupation	Growth%*
Audiologists and Speech Pathologists/Therapists	34.7%
Podiatrists	31.8%
Physiotherapists	28.7%
Dental Practitioners	27.8%
Specialist Physicians	27%
Health and Welfare Services Managers	26.5%
Nurse Managers	23.1%
Other Health Diagnostic and Promotion Professionals	21.9%
Midwives	21.6%

\* Job growth five years to 2026 (National Skills Commission)

## Hunter and Central Coast in-demand jobs<sup>2</sup>

- Registered Nurse
- Doctor
- Occupational Therapist
- Specialist Physician
- Physical Therapist
- Clinical Nurse Specialist
- Midwife
- Speech and Language Therapist
- Nursing Manager
- Critical Care Nurse

## Top specialised skills in greatest demand<sup>2</sup>

- Teamwork / Collaboration
- Patient Care
- Mental Health Care
- Clinical Experience
- Occupational Therapy
- Public Health and Safety
- Pathology
- Rehabilitation
- Care Planning

## Top baseline skills in-demand<sup>2</sup>

- Communication Skills
- Planning
- Research
- Time Management
- Computer Literacy
- Organisational Skills
- Problem Solving
- Mentoring
- Leadership
- Critical Thinking
- Writing
- Building Effective Relationships



# Benefits of studying with us

Health and medicine services are constantly evolving, with new discoveries, technologies, and treatments emerging all the time. Studying health and medicine at the University of Newcastle can provide you with the knowledge and skills to enter the workforce today as a highly trained expert, but also adapt to these changes and continue to grow and learn throughout your career.



Central Coast Clinical School  
Central Coast campus, Gosford

## Facilities

### Central Coast Clinical School

The Gosford Hospital located on the Central Coast is a state-of-the-art research and education facility which houses the University of Newcastle Central Coast Clinical School.

The Clinical School features more than 200 rooms and breakout areas, including nine lecture and seminar rooms, 15 learning suites and consultation, training, and teaching rooms. It also features a co-staffed Local Health District (LHD)/University library, six problem-based learning areas, three simulation wards, one simulation laboratory and a research laboratory.

### The Health Education and Research Building (HERB)

Located at Callaghan campus, HERB includes contemporary teaching and learning spaces for many of our allied health students such as Occupational Therapy, Nutrition and Dietetics, Physiotherapy and Medical Radiation Sciences (Diagnostic Radiography, Nuclear Medicine, and Radiation Therapy).

Within this building lives our Global Centre for Research and Training in Radiation Oncology (GC-RTRO) is a world-class teaching and learning space for our Medical Radiation Science students.



Learn more about the teaching facilities within GC-RTRO.

### Partnership with HMRI

The Hunter Medical Research Institute (HMRI) supports the Hunter's internationally recognised health and medical research, education and training. HMRI is a multidisciplinary partnership between the University of Newcastle, Hunter New England Local Health District and the community. Established in 1998, HMRI facilitates collaborations between researchers translating scientific advances into better clinical care, competitive commercial products and improved health care guidelines.

### Priority Research Centres

The University of Newcastle is home to world-renowned researchers and priority research centres, including:

- Brain and Mental Health Research
- Cancer Research, Innovation and Translation
- Cardiovascular Health
- Centre for Women's Health Research
- Digestive Health and Neurogastroenterology
- Drug Development
- Grow Up Well
- Health Behaviour
- Healthy Lungs
- Physical Activity and Nutrition
- Reproductive Science
- Stroke and Brain Injury; and more

This means we are at the forefront of health and medical research, so you'll be actively learning from industry leaders making exciting new discoveries.

# Urban, regional and rural experience

5

Our extensive clinical network means our students can undertake their clinical placements in urban, regional and rural settings across Australia.

This mix of major metropolitan hospitals, as well as regional and remote hospitals and clinics, exposes students to various healthcare practices and challenges across the healthcare system. As a result, students develop a broader range of skills and knowledge through hands-on learning and active participation in real-world experiences. These placement opportunities foster valuable networking opportunities and allow students to connect with healthcare professionals from different backgrounds and specialties.



**Central Coast Clinical School**  
Central Coast campus, Gosford

## Our Clinical Partners

**Central Coast Local Health District** is located between Sydney and the Hunter Valley and provides public health services to the Central Coast community.

The region is served by two acute hospitals – Gosford and Wyong. Gosford Hospital is the principal referral hospital and regional trauma centre of the Central Coast, Wyong Hospital is a major metropolitan hospital while Woy Woy Hospital provides sub-acute care. Additionally, there are eight community health centres and other community-based services.

To meet the increasing demand from a growing population, both Gosford and Wyong hospitals have undergone major redevelopments. Both redevelopments included new and expanded emergency departments, intensive care units and medical imaging services as well as additional operating theatre capacity.

Gosford Hospital is also home to the Clinical School and Research Institute which forms part of the Health and Wellbeing Precinct. This state-of-the-art facility brings together world-class education and pioneering research under one roof.

**Hunter New England Local Health District** provides a range of public health services to the Hunter, New England, and Lower Mid North Coast regions.

With over 18,000 employees and volunteers, and serving almost one million people in the community, the district is committed to becoming carbon and waste neutral by 2030 and closing the gap in healthcare for Aboriginal and Torres Strait Islander people.

The district is home to one tertiary referral hospital in Newcastle, four rural referral hospitals at Maitland, Manning, Tamworth, and Armidale, along with 20 district and community hospitals, and several mental health and community health facilities.

With a major metropolitan centre, a mix of several large regional centres and many smaller rural centres and remote communities, this is an excellent New South Wales (NSW) district in which medical students can participate in clinical placements.



**Central Coast  
Local Health District**



**Hunter New England  
Local Health District**

## Bachelor of Biomedical Science

<b>CRICOS code</b>	023110D
<b>Duration</b>	3 yrs FT
<b>Locations</b>	Newcastle – Callaghan Singapore
<b>Indicative annual fee</b>	2023 A\$42,665 2024 A\$43,945
<b>IELTS</b>	IELTS overall minimum - 6.0 IELTS section minimum - 6.0
<b>Intake</b>	S1

### Course overview

If you're interested in the structure and function of the human body, 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 gain 'career-ready' skills on campus in our world-class, medical science precinct.

### What you will study

Opportunities to study a wide range of courses are available through face-to-face and online learning. Core courses provide advanced theoretical knowledge in:

- Anatomy
- Biochemistry
- Cellular and molecular biology
- Experimental design and analysis
- Immunology and microbiology
- Medical genetics
- Neuroscience
- Pharmacology
- Physiology

Choose from electives in your third year of study to prepare you for a career in medical research, laboratory medicine or a clinical health profession.

### Practical experience

Students will participate in a work integrated learning placement in their final year of study which enables them to increase their employability and strengthen industry connections.

### Career opportunities/outcomes

Graduates from the Bachelor of Biomedical Science 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
- Reproductive Medicine/IVF Specialist
- Science Educator



See the website for more information about this degree.

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

<b>CRICOS code</b>	088060E
<b>Duration</b>	4 yrs FT
<b>Locations</b>	Newcastle – Callaghan
<b>Indicative annual fee</b>	2023 A\$37,725 2024 A\$38,857
<b>IELTS</b>	IELTS overall minimum - 7.0 IELTS section minimum - 7.0
<b>Intake</b>	S1

### Course overview

You'll be prepared for a dynamic career using advanced imaging technology. You will develop essential clinical reasoning and patient management skills. Learn how to create medical images to diagnose and manage patient health to save and improve lives.

### What you will study

This degree has a strong foundation in physical, biomedical and behavioural sciences. You will build essential patient management skills and use cutting-edge technologies, developing your skills in our world-class facilities on campus.

Areas of study include:

- Anatomy and physiology
- Clinical education
- Clinical methods
- Medical imaging instrumentation
- Patient care
- Physics
- Psychology
- Radiation protection
- Research

### Practical experience

All students will undertake approximately 40 weeks of professional practice over the duration of the program. Placements will be in metropolitan and regional settings along with a mandatory rural placement as part of practical experience.

The Callaghan campus was equipped with an extensive Medical Imaging Suite in 2022, which includes both Xray and Computed Tomography. This world-class medical science facility is an integral part of the undergraduate program and gives graduates a competitive advantage when entering the work force.

### 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).

### Career opportunities/outcomes

Some typical roles include:

- Chief Radiographer
- CT Radiographer
- Diagnostic Radiographer
- Medical Imaging Technologist
- MR Radiographer
- Sonographer



See the website for more information about this degree.

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

<b>CRICOS code</b>	088061D
<b>Duration</b>	4 yrs FT
<b>Locations</b>	Newcastle – Callaghan
<b>Indicative annual fee</b>	2023 A\$37,725 2024 A\$38,857
<b>IELTS</b>	IELTS overall minimum - 7.0 IELTS section minimum - 7.0
<b>Intake</b>	S1

### Course overview

Nuclear medicine graduates from the University of Newcastle are sought after worldwide. In this rewarding and challenging degree, you'll learn to diagnose, treat, and prevent diseases such as cancer using radioactive substances – giving patients the best chance of living a full and healthy life.

### What you will study

You will refine your skills using cutting-edge technology in our world-class facilities, such as our on-campus radiopharmacy laboratory – the largest of its kind in the southern hemisphere.

Areas of study include:

- Anatomy
- Molecular imaging
- Nuclear medicine instrumentation and radiopharmacy
- Nuclear medicine theory
- Patient care
- Physiology
- Psychology
- Statistics and research methodology

### Practical experience

You will complete 42 weeks of clinical placement, supervised and mentored by qualified nuclear medicine scientists in both public and private centres, locally or across Australia.

### 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).

### Career opportunities/outcomes

We are above the national average for overall undergraduate employment meaning you're more likely to get a job after graduating with us. Some typical roles include:

- Nuclear Medicine Application Specialist
- Nuclear Medicine Scientist
- PET/MRI Scientist
- Sonographer



See the website for more information about this degree.



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

<b>CRICOS code</b>	088062C
<b>Duration</b>	4 yrs FT
<b>Locations</b>	Newcastle – Callaghan
<b>Indicative annual fee</b>	2023 A\$37,725 2024 A\$38,857
<b>IELTS</b>	IELTS overall minimum - 7.0 IELTS section minimum - 7.0
<b>Intake</b>	S1

### Course overview

This is Australia's leading study program in Medical Radiation Science (Radiation Therapy). You'll be sought after worldwide, working to eradicate cancer using superb medical competence and the world's most advanced cancer treatment technology. As a radiation therapist, you can make a real difference in the lives of cancer patients and their families.

## Bachelor of Medical Science and Doctor of Medicine (Joint Medical Program)

<b>CRICOS code</b>	082394J
<b>Duration</b>	5 yrs FT
<b>Locations</b>	Newcastle – Callaghan Gosford – Central Coast Clinical School
<b>Indicative annual fee</b>	2023 A\$70,585 2024 A\$72,703
<b>IELTS</b>	IELTS overall minimum - 7.0 IELTS section minimum - 7.0
<b>Intake</b>	S1

### Course overview

The Bachelor of Medical Science and Doctor of Medicine (Joint Medical Program) 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.

You will gain a world-class dual medical qualification in just five years. We are one of the few universities that provide undergraduate entry to a medical degree program that leads to internship.

### What you will study

You will:

- Develop the necessary skills required to operate a linear accelerator to deliver a range of radiation treatment techniques whilst utilising technology such as surface tracking, image-guided RT KV and CBCT etc.
- Gain skills and experience to create and produce radiation therapy immobilisation equipment e.g., thermoplastic masks
- Use sophisticated software to develop custom radiation treatment plans for various cancer types such as breast, prostate and brain
- Utilise how to utilise medical imaging (CT, MRI, X-RAY) to capture and assess treatment information

You will have access to our world-class, purpose-built medical science teaching facility on campus, which is one of the first of its kind globally. This includes access to the latest Cancer Treatment Planning Software, the Simulation Laboratory, a Virtual Reality Training (VERT) teaching space with 3-Dimensional Technology, a dedicated PC laboratory for cancer treatment planning and training, and a Linear Accelerator and CT Scanner. The teaching laboratories represent a real clinical environment in Simulation, Planning and Treatment processes.

Areas of study include:

- Anatomy and physiology
- Behavioural science
- Clinical methods
- Imaging and treatment technologies
- Oncology
- Physics
- Research
- Statistics

### Practical experience

You will complete 42 weeks of a mentored professional placement in metropolitan, regional and rural settings.

### 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).

### Career opportunities/outcomes

We are above the national average for overall undergraduate employment meaning you're more likely to get a job after graduating with us.

Some typical roles include:

- Academic
- Advanced Practitioner
- Applications Specialist
- Radiation Therapist

### What you will study

This five-year program combines the Bachelor of Medical Science and Doctor of Medicine, studied in that sequence. A Bachelor of Medical Science must be completed in the first three years before progressing. This program is designed to be a staged transition from campus-based learning to more practical learning in clinical settings. In the first two years, which are focused on campus-based learning, we use an integrated problem-based curriculum involving self-directed learning and tutorial participation. The last three years of the program focus on applying biomedical knowledge and clinical skills in placements within hospitals, community health services and general practice facilities.

### 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.

### Professional recognition

On successful completion of the Bachelor of Medical Science and Doctor of Medicine, 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.

### Career opportunities/outcomes

Our graduates enjoy excellent job prospects. Following completion of an intern year, a wide range of roles are possible with further postgraduate training. Typical graduate roles include:

- Diagnostic specialist, e.g. Radiologist, Pathologist
- Emergency Doctor
- General Practitioner (GP)
- Medical Administrator
- Medical Researcher
- Medical Specialist, e.g. Obstetrician and Gynaecologist, Paediatrician, Psychiatrist, Public Health Physician, Surgeon

### Admission requirements and pathways

Applications are open to all onshore and offshore international students. Additional selection requirements apply including undertaking the UCAT ANZ in the year prior to entry and an interview.

Note: If students do not meet eligibility requirements for direct admission, the College of International Education offers an alternate pathway into this program.



See the website for more information about this degree.



See the website for more information about this degree.

## Bachelor of Nursing

<b>CRICOS code</b>	106657M
<b>Duration</b>	3 yrs FT
<b>Locations</b>	Newcastle – Callaghan Gosford – Central Coast Clinical School
<b>Indicative annual fee</b>	2023 A\$38,570 2024 A\$39,727
<b>IELTS</b>	IELTS overall minimum - 7.0 IELTS section minimum - 7.0
<b>Intake</b>	S1

### Course overview

By studying nursing, you will learn the fundamental skills of providing excellence in caring for individuals, families, and communities. Nurses play an important role in improving the lives of so many – and are essential to all healthcare systems.

### What you will study

The Bachelor of Nursing mixes face-to-face and online learning with plenty of hands-on nursing experience in simulated learning environments and professional experience placements. You will complete 800 hours of compulsory clinical placements in a variety of settings from medical-surgical facilities, acute care, mental health settings to aged care and rural and remote health facilities. Professional experience placements occur in blocks and involve morning and evening shifts. Night duty is introduced in your final year. You will be inspired by our enthusiastic and experienced educators and internationally ranked researchers who bring courses to life and share their love of learning.

You will study nursing theory and practice in:

- Primary, secondary and tertiary nursing
- Aged care
- Mental health
- Human bioscience

### Practical experience

You will complete 800 hours of compulsory clinical experience.

### 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).

### Career opportunities/outcomes

We're above the national average for overall undergraduate employment meaning you're more likely to get a job after graduating with us. Registered nurses can have careers in diverse areas such as aged care, mental health, community health, critical care, intensive care, oncology, operating theatres and paediatrics.

Career progression roles include:

- Clinical Nurse Consultant
- Clinical Nurse Specialist
- Nurse Educator
- Nurse Manager
- Nurse Practitioner
- Nurse Researcher

## Bachelor of Nutrition and Dietetics (Honours)

<b>CRICOS code</b>	001131C
<b>Duration</b>	4 yrs FT
<b>Locations</b>	Newcastle – Callaghan
<b>Indicative annual fee</b>	2023 A\$39,305 2024 A\$40,484
<b>IELTS</b>	IELTS overall minimum - 7.0 IELTS section minimum - 7.0
<b>Intake</b>	S1

### Course overview

With diet and nutrition-related diseases such as heart disease, diabetes and obesity becoming common worldwide, demand is growing for graduates with this specialized knowledge. You will have access to world-class researchers and educators, putting you on the cusp of new nutrition and diet discoveries. Learn how to use the latest evidence to manage patient health and discover the powerful science of human nutrition.

### What you will study

Students will gain valuable hands-on experience by completing more than 800 hours of supervised professional practice in a variety of settings including hospitals, outpatient clinics, and community health centres. This degree combines theoretical and scientific knowledge with practical learning to ensure you are prepared for a successful career in nutrition and dietetics. Areas of study include:

- Basic and applied sciences
- Dietetic practice
- Food service and management
- Medical nutrition therapy
- Paediatric nutrition and dietetics
- Professional practice
- Public health nutrition
- Social sciences
- Statistics and research methodology

### Practical experience

You will complete more than 800 hours of supervised professional practice in a variety of settings across NSW including hospitals, outpatient clinics, community health centres and within rural communities.

### Professional recognition

Once you graduate, you are eligible to apply for Accredited Practising Dietitian status as well as full membership with Dietitians Australia.

### Career opportunities/outcomes

The field of nutrition and dietetics continues to grow and offers varied career options.

Typical roles include:

- Diabetes Educator
- Dietitian
- Food Service Manager
- Health Administrator
- Health Promotion Officer
- Health Writer
- Nutritionist
- Researcher
- Sports Dietitian

## Bachelor of Occupational Therapy (Honours)

<b>CRICOS code</b>	001132B
<b>Duration</b>	4 yrs FT
<b>Locations</b>	Newcastle – Callaghan
<b>Indicative annual fee</b>	2023 A\$38,285 2024 A\$39,434
<b>IELTS</b>	IELTS overall minimum - 7.0 IELTS section minimum - 7.0
<b>Intake</b>	S1

### Course overview

Work with children to reach developmental milestones or to participate in school and social situations. You'll learn to assist people with mental health difficulties with recovery and inclusion in their communities. You'll study how to assist clients to return to their daily lives after a stroke or hip replacement. Plus, interventions to return people back to work following an accident.

### What you will study

You will gain theoretical knowledge in biomedical, behavioural and occupational sciences and participate in practical, case-based learning and interactive teamwork activities.

Areas of study include:

- Anatomy and physiology
- Biomedical, behavioural, and occupational sciences and therapy
- Psychology
- Sociology and community development
- Statistics and research methodology

### Practical experience

You will complete 1,000 hours of professional practice and be supervised by qualified occupational therapy practice educators.

### Professional recognition

The University of Newcastle's Occupational Therapy (Honours) is accredited by the Occupational Therapy Board of Australia (OTB) under the Australian Health Practitioner Regulation Agency (AHPRA).

### Career opportunities/outcomes

Our graduates work with people and communities to overcome unique challenges to get the most out of everyday life activities.

Some typical roles include:

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



See the website for more information about this degree.



See the website for more information about this degree.



See the website for more information about this degree.



## Bachelor of Oral Health Therapy

<b>CRICOS code</b>	084069F
<b>Duration</b>	3 yrs FT
<b>Locations</b>	Ourimbah – Central Coast
<b>Indicative annual fee</b>	2023 A\$42,335 2024 A\$43,605
<b>IELTS</b>	IELTS overall minimum - 7.0 IELTS section minimum - 7.0
<b>Intake</b>	S1

### Course overview

World-class degree, dual oral health qualifications. Our oral health therapy students graduate with dual qualifications in dental hygiene and dental therapy. This degree has a strong focus on disease prevention, world class simulation and an advanced restorative scope.

### What you will study

Build your scientific knowledge and clinical skills, using a population-based approach to oral health care. Discover how oral health and general health are intertwined and develop the skills needed to help improve overall individual and community wellbeing.

Areas of study include:

- Clinical treatment for diverse communities
- Dental therapy
- Human bioscience and anatomy
- Oral pathology
- Periodontology

### Practical experience

Students complete a minimum of 500 hours of hands-on practice. This includes specialist dental departments and community dental clinics across NSW and in our on-campus oral health clinic.

### Professional recognition

You can apply for professional registration - with the Australian Health Practitioner Regulation Agency (AHPRA). The Dental Board of Australia has developed registration standards, including English language, that are prerequisites for you to register as a dental practitioner in Australia.

### Career opportunities/outcomes

Many graduates are quickly employed in dental hygiene or dental therapy roles. This degree will not qualify a student to become a dentist but allows graduates to work with practitioners in clinics and perform a range of specialist tasks.

Typical roles include:

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



See the website for more information about this degree.

## Bachelor of Pharmacy (Honours)

<b>CRICOS code</b>	079931D
<b>Duration</b>	4 yrs FT
<b>Locations</b>	Newcastle – Callaghan
<b>Indicative annual fee</b>	2023 A\$42,910 2024 A\$44,197
<b>IELTS</b>	IELTS overall minimum - 7.0 IELTS section minimum - 7.0
<b>Intake</b>	S1

### Course overview

Gain exceptional knowledge and training required to become a trusted expert in the use of medicines, advising the community and health professionals on a wide range of health issues.

### What you will study

You will develop an extensive knowledge of the essential sciences, pharmacotherapeutics and pharmaceutical sciences that are required to practice as a pharmacist.

Areas of study include:

- Chemistry
- Core biomedical sciences, including pathophysiology
- Dosage formulations
- Drug design and discovery
- Epidemiology
- Pharmacotherapeutics
- Pharmacy practice

### Practical experience

You will undertake over 420 hours of clinical placement in a variety of settings both locally and nationally.

### 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.

### Career opportunities/outcomes

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:

- Community Pharmacist
- Consultant/Accredited Pharmacist
- Hospital Pharmacist
- Industrial Pharmacist
- Researcher



See the website for more information about this degree.

## Bachelor of Physiotherapy (Honours)

<b>CRICOS code</b>	039298M
<b>Duration</b>	4 yrs FT
<b>Locations</b>	Newcastle – Callaghan
<b>Indicative annual fee</b>	2023 A\$40,505 2024 A\$41,720
<b>IELTS</b>	IELTS overall minimum - 7.0 IELTS section minimum - 7.0
<b>Intake</b>	S1

### Course overview

This program integrates the clinical and basic sciences, focusing on evidence-based physiotherapy practice. The program involves case-based learning with a strong inter-disciplinary focus. Gain hands-on experience through clinical placements and interactive teamwork activities. Learn exceptional communication and interpersonal skills needed to work one on one with patients.

### What you will study

You will develop your physiotherapy professional skills and graduate work-ready through the study of theoretical courses in clinical physiotherapy, biomedical and behavioural sciences. Real-world experience is gained while completing multiple high quality supervised clinical placements in both public and private healthcare services.

Your areas of study will include:

- Advanced anatomy, physiology and pathophysiology
- Clinical physiotherapy
- Health promotion and public health
- Physiology and pathophysiology
- Statistics and research methodology

### Practical experience

Students complete professional placement during their degree, starting in first year. During your placement, you are mentored and supervised by qualified physiotherapy professionals.

### 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).

### Career opportunities/outcomes

Physiotherapists work across many health settings and complex clinical problems. These involve musculoskeletal, neurological or cardiorespiratory systems.



See the website for more information about this degree.

## Bachelor of Speech Pathology (Honours)

<b>CRICOS code</b>	029748F
<b>Duration</b>	4 yrs FT
<b>Locations</b>	Newcastle – Callaghan
<b>Indicative annual fee</b>	2023 A\$40,090 2024 A\$41,293
<b>IELTS</b>	IELTS overall minimum - 7.0 IELTS section minimum - 7.0
<b>Intake</b>	S1

### Course overview

When you study a Bachelor of Speech Pathology (Honours), you are accessing the most comprehensive degree of its kind in Australia. Open up experiences and job opportunities like no other when you study this program.

### What you will study

This is an interdisciplinary program, covering linguistics, human bioscience, statistics, psychology as well as speech pathology specific courses. You will develop competencies and skills to confidently assess, diagnose and treat a range of communication and swallowing disorders arising from conditions such as developmental speech and language disorders, neurodevelopmental disorders, acquired disorders such as stroke, head injury, and neurological diseases/disorders.

### Practical experience

Develop impressive real-world skills with more than 20 weeks 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. Students must meet all the Bachelor of Speech Pathology (Hons) requirements including a National Criminal Record Check, and meet all the NSW Health Verification requirements. For more information visit the University of Newcastle website.

### Professional recognition

Accredited by the Speech Pathology Association of Australia. Accreditation is recognised in Canada, the United Kingdom, New Zealand and the United States of America. This degree is also recognised by Ministry of Health, Singapore.

### Career opportunities/outcomes

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. There are opportunities in health promotion, research and health services. Fluency in other languages enriches the skills and services provided by professional speech pathologists.



See the website for more information about this degree.

## Master of Nursing

<b>CRICOS code</b>	097897G
<b>Duration</b>	1 yr FT
<b>Locations</b>	Newcastle – Callaghan Online
<b>Indicative annual fee</b>	2023 A\$40,845 2024 A\$42,070
<b>IELTS</b>	IELTS overall minimum - 6.5 IELTS section minimum - 6.0
<b>Intake</b>	T1, T2, T3

### Course overview

The Master of Nursing will enhance your skills in professional leadership, clinical education, healthcare improvement, research, and evidence-based practice. You will learn from some of the best in the field – our industry experts will deliver clinical theory and practical applications to help you strengthen your existing knowledge. You will engage in discussions with nurses from all around the world to share strategies, change practice and help improve global healthcare. With a high demand for qualified nursing professionals, this degree will enhance your advanced nursing knowledge and help progress your career.

### What you will study

You will study contemporary issues in nursing, research methods, and use this knowledge in healthcare settings.

Key study areas include:

- Contemporary nursing
- Knowledge translation in healthcare
- Introduction to research in healthcare

To help you achieve your best career outcome, you can choose to do a generic Master of Nursing or focus your learning by choosing from one of seven specialisations:

- Acute and critical care
- Advanced practice
- Chronic disease and ageing
- Clinical education
- Healthcare improvement
- Leadership and management
- Research

### Career opportunities/outcomes

By studying the social, cultural, economic and political influences surrounding nursing and health care in general, Master of Nursing graduates will be ready to provide advanced clinical knowledge and advice across the full spectrum of healthcare settings.



See the website for more information about this degree.

## Master of Public Health

<b>CRICOS code</b>	064408B
<b>Duration</b>	1 yr FT
<b>Locations</b>	Newcastle – Callaghan Online
<b>Indicative annual fee</b>	2023 A\$37,555 2024 A\$38,682
<b>IELTS</b>	IELTS overall minimum - 6.5 IELTS section minimum - 6.0
<b>Intake</b>	S1, S2

### Course overview

Kick-start a rewarding career in public health in just one year! Intended for people from diverse health and non-health backgrounds and those working in a variety of settings, including health departments and community organisations, the Master of Public Health is a flexible and versatile degree, designed to give you a broad introduction to public health and to provide you with the skills and knowledge to define, critically assess and resolve public health issues within a community, whilst catering for your individual career goals.

### What you will study

Designed with both theory and applied public health approaches, the graduates of this program will be skilled, innovative and confident public health practitioners who are ready to take on high-level roles.

### Practical experience

You will have the opportunity to conduct a desk-based Applied Equity-Focused Health Impact Assessment (EFHIA) which is the capstone research project. You can also build your research skills through Work-Integrated Learning opportunities in your area/s of interest and through publishing peer-reviewed papers under the supervision of academic experts.

### Professional recognition

Our curriculum is aligned with the Council of Academic Public Health Institutions Australasia (CAPHIA) recommendations, and as such, our graduates are eligible to apply for membership with the Public Health Association of Australia.

### Career opportunities/outcomes

The Master of Public Health focuses on developing life-ready graduates who are community-minded, resilient and ready for work. Our graduates often have diverse backgrounds, multiple careers and various responsibilities. From medical doctors, allied healthcare professionals, nurses and midwives, engineers, and lawyers, to people returning to study after a career break or looking to upskill, this program caters to all individual needs and career inspirations.



See the website for more information about this degree.

	CRICOS	Duration (Years, semesters or trimesters)	Location	Intakes	IELTS Overall Minimum/ Section Minimum	2023 indicative annual fee A\$ <sup>^</sup>	2024 indicative annual fee A\$ <sup>^</sup>
Bachelor of Biomedical Science*	023110D	3	N, SG	S1	6.0/6.0	\$42,665	\$43,945
Bachelor of Medical Radiation Science (Honours) (Diagnostic Radiography)	088060E	4	N	S1	7.0/7.0	\$37,725	\$38,857
Bachelor of Medical Radiation Science (Honours) (Nuclear Medicine)	088061D	4	N	S1	7.0/7.0	\$37,725	\$38,857
Bachelor of Medical Radiation Science (Honours) (Radiation Therapy)	088062C	4	N	S1	7.0/7.0	\$37,725	\$38,857
Bachelor of Medical Science and Doctor of Medicine (Joint Medical Program)	082394J	5	N	S1	7.0/7.0	\$70,585	\$72,703
Bachelor of Nursing*	106657M	3	N, G	S1	7.0/7.0	\$38,570	\$39,727
Bachelor of Nutrition and Dietetics (Honours)	001131C	4	N	S1	7.0/7.0	\$39,305	\$40,484
Bachelor of Occupational Therapy (Honours)	001132B	4	N	S1	7.0/7.0	\$38,285	\$39,434
Bachelor of Oral Health Therapy	084069F	3	CC	S1	7.0/7.0	\$42,335	\$43,605
Bachelor of Pharmacy (Honours)	079931D	4	N	S1	7.0/7.0	\$42,910	\$44,197
Bachelor of Physiotherapy (Honours)	039298M	4	N	S1	7.0/7.0	\$40,505	\$41,720
Bachelor of Podiatry	058964B	4	CC	S1	7.0/7.0	\$40,975	\$42,204
Bachelor of Speech Pathology (Honours)	029748F	4	N	S1	7.0/7.0	\$40,090	\$41,293
Graduate Certificate in Clinical Epidemiology	095233G	0.5	N, Online	S1	6.5/6.0	\$19,310	\$19,889
Master of Clinical Epidemiology	105360C	1	N, Online	S1	6.5/6.0	\$38,470	\$39,624
Master of Midwifery Studies	098482M	1	N, Online	T1, T2, T3	6.5/6.0	\$41,195	\$42,431
Master of Nursing	097897G	1	N, Online	T1, T2, T3	6.5/6.0	\$40,845	\$42,070
Master of Public Health	064408B	1	N, Online	S1, S2	6.5/6.0	\$37,555	\$38,682

## KEY FOR LOCATIONS

**N** Newcastle – Callaghan      **G** Central Coast - Gosford  
**CC** Central Coast – Ourimbah      **SG** Singapore

## KEY FOR INTAKES

**S1** Semester 1      **T2** Trimester 2  
**S2** Semester 2      **T3** Trimester 3  
**T1** Trimester 1      **W** Winter

\* End-on Honours is a separate and additional year of study following the completion of a bachelor degree. This is a very different experience to the earlier years of study. There are fewer formal classes and more individual work. Honours can be course work based, research based, or a combination of the two. Admission requirements for End-On Honours vary by program, but often require a minimum GPA.

<sup>^</sup> Fees for the Singapore campus may differ from those for the Australian campuses.



# International Scholarships

Worried about the cost of studying in Australia? The University of Newcastle is an ideal option for students looking for top ranked degree programs in Australia with an affordable tuition fee and lower cost of living. We offer a range of scholarships up to AUD\$60,000 depending on your degree and duration of study.

Scholarships will be automatically awarded to students who have received an offer to study in an eligible program and who will commence studying with the University of Newcastle. Review your eligibility against selection criteria.



For more information about scholarships.

## Truc, Vietnam

### **Bachelor of Pharmacy (Honours) Academic Excellence Scholarship recipient**

"I was so grateful to have become a recipient of the scholarship as not only did it reduce the financial burden of my tuition, but it also meant recognition from University academics to pursue my academic aspirations."

Excited and shocked that she had been awarded a scholarship for her studies, the Academic Excellence scholarship has provided Truc with opportunities in volunteering, networking with university academics and professionals from her chosen field, which has excelled her academic performance even further. Truc believes that this scholarship will provide her with the opportunity to further excel in the field of pharmacy and provide better job prospects.

"Achieving this scholarship means I can become a better job candidate in the future. Employers will understand this merit-based scholarship is an accomplishment proving my passion for the profession along with the efforts I have put in to acquire competency in the field to provide better healthcare for patients in need," she said.



For more information about Truc's journey.

# Get career ready

## Career Support

The University offers free support to all students and graduates. From helping you gain part-time work while you study to clarifying your longer-term goals, or connecting with industry.

Through the Careers Service, you can access:

- The Make a World of Difference program which is designed to help international students navigate and understand the Australian workplace
- One-on-one appointments with staff to get advice and help with career planning, job search strategies, job applications, and interviews
- CareerHub, an online platform where you can search current job vacancies, events, and access resources and support for careers-related topics.



Find out more about career support.

## Access Additional Post-Study Work Opportunities

The Australian Government allows students who meet the study and skills criteria to stay temporarily in Australia after they complete their studies to gain valuable work experience in Australia. To promote in-demand industries and living and working in regional areas, students who choose to study with us may be eligible to stay up to 7 years depending on the chosen degree, level of Australian study qualification and location<sup>1</sup>.



Find out more about Post-Study Work Opportunities.

## Work Integrated Learning (WIL)

The best way to learn the practical skills required after graduation is to apply your theoretical knowledge in real-world environments. Work Integrated Learning (WIL) is also often referred to as practicum, placement, internship, project-based learning, simulation activities and fieldwork. Through WIL, you will gain hands-on knowledge in your field of expertise, have the opportunity to engage with industry partners and build your professional networks.



Find out more about WIL.

## Career Connect

Career Connect is the University-wide program that allows you to build your employability skills outside the classroom. Developing these skills will prepare you for your transition into the workforce and the confidence you need to connect with future employers.



Find out more about Career Connect.

## Employment Exhibition and Industry Days

Employment Exhibition and Industry Days are the perfect opportunity to speak directly with employers and learn more about your future industry and career options. From the first to final year of study, it is always the right time to connect, network and learn more about the world of careers and employment.



Find out more about Employment Expos and Industry Days.

## Work While Studying

One of the many advantages of studying in Australia is that international students can work part-time to earn an income while studying. Regardless of whether it is relevant to your studies, these opportunities help build your employability skills.

Retail, Hospitality and Tourism, Healthcare and Social Assistance and Manufacturing and Construction are some of the major industries in Newcastle offering part-time work opportunities. The University and Study NSW help to connect students to these opportunities.



Find out more about part-time work opportunities.

<sup>1</sup> This information is current as at 21 Feb 2023. For the most recent and up-to-date details, please refer to the Department of Home Affairs website or speak with your agent.

# Newcastle and Hunter Region Employment Opportunities

## Newcastle and Hunter Region Snapshot<sup>1</sup>



Largest regional economy in Australia with an output of \$129.541 billion, ranking above Tasmania, the Northern Territory and the Australian Capital Territory.



Home to four world-class research institutions including the University of Newcastle, Hunter Medical Research Institute (HMRI), Commonwealth Scientific and Industrial Research Organisation (CSIRO) and Newcastle Institution for Energy & Resources (NIER).



Population of over 770,000 and expected to grow by 25% over the next 20 years.



By 2036 over 70,000 more homes are planned for the region (reference Hunter Regional Plan 2036).



Over 300,000 jobs in the region currently with 65,000 new jobs by 2036.



Access to national and international markets through the global gateways of Newcastle Airport and the Port of Newcastle.



Health and education are two of the largest sectors in our region's economy. They are also two of the fastest-growing sectors, with the number of jobs projected to increase from 63,000 to 73,000, representing 21% of the workforce by 2036.



Major industries include Healthcare and Social Assistance, Education and Training, Retail Trade, Manufacturing and Construction, Tourism and Professional, Scientific and Technical Services.

## Future growth and development for the region<sup>1</sup>

- Planned expansion of Newcastle Airport by 2030 which will see it double, expanding the region's tourism industry and enhancing connections with the Asia-Pacific.
- John Hunter Health and Innovation Precinct's industry-leading facilities support communities across the Hunter and Northern New South Wales (NSW).
- Healthcare is the largest provider of jobs and this sector is expected to grow with the forecast increases in the ageing population.
- Diversify and grow the energy sector to more energy efficient and renewable energy technologies.
- The region's economic success and rapid growth will continue to drive competitiveness and new jobs, creating new jobs in accounting and finance, information technology, business and management, tourism and events, education, health, etc.

The Regional Strategic Growth areas include:

- Advanced Manufacturing
- Creative Industries
- Defence and aerospace
- Food and agribusiness
- Medical technology and pharmaceuticals
- Mining equipment, technology and services
- Renewable Energy

The region continues to recognise that modern technology and communications are essential to removing barriers and opening up opportunities to join the bigger markets through high-tech, creative and knowledge-based industries.



# How to apply

It is recommended you submit your application a minimum of 12 weeks before your intended semester or trimester start date. Late applications may be considered for the next available intake\*.

## Find an agent in your country

Our agents have the expertise to assist you in streamlining your application to the University of Newcastle, and applying for a visa from the Australian Government Department of Home Affairs.

You should ensure that your agent is contracted to the University of Newcastle to avoid delays with your application.



Find a list of contracted education agents in your country.

## Apply online

International applicants are able to apply through our International Application System. Once you have started your online application form you will be provided with a reference number. Should you have any questions you can contact International Admissions with your reference number.



Apply online.

## What you will need

As part of your application you will need to provide scanned coloured original **or** certified copies of original documents:

- Academic Transcripts
- Completion Certificates
- Evidence of English Proficiency
- Passport Biometric page

For programs requiring work experience, a CV/resume and/or letters of work experience are recommended.

You are able to have your documents certified by:

- A registered Notary Public
- A registered Justice of the Peace
- Any Australian Education Centre
- An authorised officer of an Australian diplomatic mission or
- A University of Newcastle contracted agent you have nominated as your representative.

**Please note:** if your documents are not in English you will need to provide certified English translations.



Explore our degrees.

## Compare study options

With so many study options to choose from, we know it can be hard to choose the right degree. Our website offers a degree comparison tool so that you can favourite and compare degrees that you are interested in. Plus, you can download your very own personalised degree guide.



Add degrees to your wishlist and compare.

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

 [newcastle.edu.au/south-asia](https://newcastle.edu.au/south-asia)

 [china.newcastle.edu.au](https://china.newcastle.edu.au)

 +61 2 4913 8300

 1300 275 866 (inside Australia)



 University of Newcastle

## **Newcastle Campus**

### **Callaghan**

University Drive,  
Callaghan NSW 2308

### **Sydney Campus**

55 Elizabeth Street,  
Sydney NSW 2000

## **Newcastle City Campus**

### **NUspace**

Corner Hunter and  
Auckland Streets,  
Newcastle NSW 2300

### **Singapore Campus**

6 Temasek Boulevard,  
#10-02/03, Suntec Tower 4,  
Singapore 038986

## **Central Coast Campus**

### **Ourimbah**

Chittaway Road,  
Ourimbah NSW 2258

### **Central Coast Clinical School**

#### **Gosford**

77a Holden Street,  
Gosford NSW 2250

Connect on WeChat

