STUDY AREA

HEALTH AND MEDICAL SERVICES
BRIGETTE MAKES A LASTING DIFFERENCE

What Bachelor of Occupational Therapy alumnus Brigette loves most about her field is the lifelong impact it can have on people and communities. At the University of Newcastle, she was able to make a difference across multiple fields of care, including mental health, community aged care, and paediatrics. In the final year of the program, Brigette was selected to travel abroad and complete 10 weeks of work-integrated learning at a school in Fiji. In this new and unfamiliar culture, Brigette faced language barriers and a scarcity of resources. Despite those challenges, Brigette’s impact on the community was not only immediate — it was enduring. Because of her work there, the school is now hiring a full-time Occupational Therapist.

Brigette
Bachelor of Occupational Therapy (Honours), 2018
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 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.

newcastle.edu.au/study/health-and-medical-services

38TH
in the world for Sport Science

THE UNIVERSITY OF NEWCASTLE IS PROUD TO HAVE GRADUATED MORE THAN 100 OF AUSTRALIA’S INDIGENOUS MEDICAL DOCTORS

ERA 5
well above world standard for Genetics, Human Movement and Sports Science, Medical Physiology, Neurosciences, Nursing, Nutrition and Dietetics, Paediatrics and Reproductive Medicine, Pharmacology and Pharmaceutical Sciences and Physiology

DEGREE OPTIONS
Bachelor of Biomedical Science
Bachelor of Exercise and Sport Science
Bachelor of Food Science and Human Nutrition
Bachelor of Medical Radiation Science (Honours) (Diagnostic Radiography)
Bachelor of Medical Radiation Science (Honours) (Nuclear Medicine)
Bachelor of Medical Radiation Science (Honours) (Radiation Therapy)
Bachelor of Medical Science and Doctor of Medicine (Joint Medical Program)
Bachelor of Nutrition and Dietetics (Honours)
Bachelor of Occupational Therapy (Honours)
Bachelor of Oral Health Therapy
Bachelor of Pharmacy (Honours)
Bachelor of Physiotherapy (Honours)
Bachelor of Podiatry
Bachelor of Psychological Science
Bachelor of Psychological Science (Advanced)
Bachelor of Public and Community Health
Bachelor of Speech Pathology (Honours)

ALSO CONSIDER
Bachelor of Biotechnology
Bachelor of Medical Engineering (Honours)
YOUR PATHWAYS

We’re proud to be the largest provider of enabling programs in Australia. If you don’t have the qualifications required for direct entry, you can still have the opportunity to access university studies, regardless of your background or level of previous education, through our pathway programs. The programs are offered free of charge and upon successful completion, you’re guaranteed entry to selected undergraduate degrees at the University of Newcastle.

- **Newstep**
  If you were unable to complete Year 12 or missed the chance to get the marks needed for university entry, our Newstep program offers another pathway for you.

- **Open Foundation**
  If you are seeking a new career direction, considering attending university after time in the workforce or looking to further pursue your interests, our Open Foundation program can help make this happen. Study online, part-time or full-time.

- **Yapug - Aboriginal and/or Torres Strait Islander Students**
  Yapug is a pathway program designed to help Aboriginal and/or Torres Strait Islander people gain skills for entry into undergraduate degrees.

newcastle.edu.au/enabling

YEAR 12 SUBJECT SPOTLIGHT EARLY ENTRY PROGRAM

We believe that your ATAR doesn’t define who you are – it is your unique passions, abilities and ambitions that matter. Our Year 12 Subject Spotlight program rewards you with an early offer for your hard work and strong results in individual subjects related to your degree. So, you can take some of the stress out of your final school exams, knowing your ATAR isn’t all that matters. There is no separate application for the program – simply apply through UAC to qualify.

You can find more information on subjects aligned to specific degrees online.

newcastle.edu.au/subject-spotlight

LIFESTYLE

Our coastline is world famous. Enjoying downtime at one of Newcastle’s pristine beaches and three coastal baths is made easy with long stretches of uncrowded sand, accessible public transport, and plenty of free parking. A creative hub, Newcastle is home to the bright ideas of countless innovators and entrepreneurs. Enjoy all that Newcastle has to offer – a dynamic art and music scene, chilled-out cafes, eclectic markets, micro-breweries and small bars. The people are friendly, the beaches are picture perfect and the coffee culture is taken seriously.

CAMPUS LIFE

On campus, you have access to a wide range of cafes, food outlets and bars. The University is also home to over 150 clubs, societies and social groups – giving you the chance to regularly participate in fun activities.

Callaghan has an on-campus gym – The Forum – which also features a secondary location just 500 metres from NeW Space. Facilities across both sites include a 50-metre indoor pool, cardio and strength training zones, rock climbing wall, cycle zone, group fitness classes and multi-purpose courts.

The new covered outdoor recreation area (CORA) at the Central Coast campus provides a great place for students to be active, social and engaged all year round.

newcastle.edu.au/uonstudentliving

ACCOMMODATION

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.

newcastle.edu.au/accommodation

YEAR 12 SUBJECT SPOTLIGHT EARLY ENTRY PROGRAM

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You can find more information on subjects aligned to specific degrees online.

newcastle.edu.au/subject-spotlight
**STUDY ABROAD**
Are you keen to take your studies around the world?

When you study here, you’ll have the chance to travel and get credit for your degree at the same time. There are opportunities for international experiences across every area of study, whether it’s an overseas exchange program, study tour or work placement. Discover new cultures, try new food, and make friends from all over the world. With more than 100 partner universities spanning all major continents, it really is the chance of a lifetime.

[newcastle.edu.au/studyoverseas](newcastle.edu.au/studyoverseas)

**GRADUATE WORK READY**
Sometimes it’s best to dive straight in. That’s why exciting industry experience and work-integrated learning is at the core of all our degrees. Our strong partnerships with local and global organisations ensure everything you study is shaped by the real world and you graduate ready for a career in your field. Our Career Services Team are also on hand to help you out with everything from resumes and employment workshops to advice on your career goals.

**SCHOLARSHIPS**
Our University is home to many talented, enthusiastic and diverse students – just like you – and providing equity of access to higher education is fundamental to who we are. It doesn’t matter what your background is or what your circumstances are, we want to give everyone the chance to go to, and thrive, at university.

Our scholarship programs provide:
- scholarships for academic achievement
- support for individuals with financial hardship and educational disadvantage
- support for Indigenous students
- opportunities to travel, perform, play sport, relocate, or gain global experience.

[newcastle.edu.au/scholarships](newcastle.edu.au/scholarships)

**THE MA & MORLEY SCHOLARSHIP PROGRAM**

Born walking distance from the University of Newcastle and raised in rural NSW, Tara is well on her way to making a difference. She’s inspired by heroes who changed the world and women taking a stand for what they believe in. The idea of her being able to find a cure for cancer in the future was first introduced when she was a child, thus planting a seed early on that a career in research was for her. Over the years, her career goals have continued to grow to include equity in health, education and issues around social wellbeing at a global level. As a school leader, she was introduced to the concept of leadership, dedicating her time to raising awareness and funds for important issues such as White Ribbon Day, drought relief and Cancer Council campaigns – earning recognition for her positive contribution to the school and community. As she starts her first year of a Bachelor of Biomedical Science, Tara is motivated to become a leader, not just a good student. She plans to take every opportunity she can – big or small – to make a difference.

Tara Tolhurst
Bachelor of Biomedical Science

**SHAPING FUTURES SCHOLARSHIPS**
The Shaping Futures Scholarship Fund provides support for students who are most in need – helping them to overcome disadvantage to pursue and maintain their achievements.

Scholarships are offered to academically gifted students facing educational disadvantage such as financial hardship, relocation from a regional or remote area, a long term or recurrent medical condition or illness, carer or sole parenting responsibilities, an asylum seeker recently completing a University of Newcastle enabling program, or a combination of these factors.

**ABORIGINAL AND/OR TORRES STRAIT ISLANDER SCHOLARSHIPS**
The Aboriginal and/or Torres Strait Islander Scholarships were established through contributions from the University, industry donors, community organisations and the annual Reconciliation Scholarship Dinner Dance.

These scholarships provide Australian Aboriginal and/or Torres Strait Islander students financial support to assist with completing their studies.

[newcastle.edu.au/scholarships](newcastle.edu.au/scholarships)
Biomedical science graduates have the knowledge and skills to impact the global advancement of medical research practice and policy.

With three unique pathways, your degree can be tailored to your career aspirations. As a medical researcher, you can build a fascinating career in scientific research, helping to develop life-saving advancements against disease. Contribute to science and innovation in education, industry or commerce using groundbreaking medical innovations to solve real-world problems. Gain a solid foundation for your career as a health practitioner with enhanced research capability.

2019 SELECTION RANK
77.35 | Median 89.43

SPECIALISE
You can specialise in one of the following majors:
• Medical/Health Professional
• Advanced Medical Research
• Industry and Education

CAREER EXAMPLES
• Biotechnologist
• Clinical Research Coordinator
• Geneticist
• Pharmaceutical Scientist
• Reproductive Medicine/IVF Specialist
• Science Educator

WAYS OF TEACHING AND LEARNING
Hone your skills using cutting-edge equipment in our purpose-built $17.3 million multi-storey medical sciences precinct, including innovative laboratories. We also offer real-world opportunities and the chance to combine your studies with valuable industry experience.
Growing up, Jessica played with bandages over Barbies – and always had a passion for fixing things. Completing her Bachelor of Biomedical Science at the University of Newcastle in 2013 opened up doors and opportunities she never dreamed possible.

Jessica was awarded the Charlie Perkins Scholarship and James Fairfax Oxford Australia Scholarship which helped her to pursue postgraduate studies in Neuroscience at the University of Oxford.

A descendent of the Kamilaroi nation, Jessica’s focus is on medical research in cancer and Indigenous health and advocating for young Indigenous women in STEMM.

Most recently, Jessica was the recipient of the Young Australian Achiever of the Year in the UK, in the 2019 Australia Day Awards. While furthering her study with a DPhil (PhD) in Oncology at Oxford, Jessica continues to inspire and blaze a path for the next generation of Australians to follow.

Jessica
Bachelor of Biomedical Science, 2013
EXERCISE AND SPORT SCIENCE

The western world is facing a new wave of health problems and chronic diseases due to inactivity and poor lifestyle habits. Contrary to this, at the same time, elite sports are more popular than ever.

Exercise and sport science is an inspiring and rapidly evolving field. You could find yourself leading a team of research scientists to discover a new link between brain function and diet, or developing a new format of exercise that produces greater results. At the University of Newcastle, we have a globally-recognised approach to the Bachelor of Exercise and Sport Science encompassing all aspects of physical health.

2019 SELECTION RANK
72.20 | Median 80.80

CAREER EXAMPLES
• Exercise Scientist
• Exercise Rehabilitation/Injury Management Advisor
• Player Development Manager
• Research Scientist
• Sports Administrator
• Sports Development Officer

ACCREDITATION
Graduates will be accredited through Exercise and Sport Science Australia (ESSA). Graduates may also complete an Exercise Science Sequence to qualify as an Exercise Scientist for ESSA.

REAL-WORLD EXPERIENCE
Our students gain valuable work experience in the sport and fitness industry through our professional placement program.

Along with placements in clinics and hospitals, we also have strong ties with the Central Coast Mariners Football Club, the Newcastle Jets Football Club, the Newcastle Knights and Basketball Australia to ensure interesting and dynamic placement opportunities.
STUART’S STORY

Bachelor of Exercise and Sport Science alumnus Stuart is passionate about keeping elite athletes at the top of their game. Stuart says studying at the University's Central Coast (Ourimbah) campus meant it was easy to connect with a supportive network of lecturers, tutors and fellow students.

The University’s strong relationships with professional sporting organisations also allowed Stuart to gain valuable real-world experience with the Newcastle Jets and the Newcastle Knights. During his degree, Stuart also had the opportunity to assist the Australian Olympic sailing team with data analysis as they prepared for the 2016 Olympic Games in Rio de Janeiro.

Since graduating, Stuart has been kicking goals as a Sport Science Assistant for the Newcastle Jets while also completing his PhD with the elite sporting team. His research centres around training and game load management with a special focus on muscular screening and the potential for injury prevention.

Stuart
Bachelor of Exercise and Sport Science, 2016
As an increasingly health-conscious society drives change, the speciality areas of food science and human nutrition require people with a passion for innovative thinking.

As a food scientist, you could work to develop new food products before they hit the consumer shelf, ensuring the foods we eat are more nutritionally balanced, safe to consume and desirable to purchase. With a Bachelor of Food Science and Human Nutrition you will stay up to date with the latest scientific developments and be equipped with the specialist knowledge and skills needed for a successful career in the food science, health and nutrition industries.

**2019 SELECTION RANK**

60.60 | Median 66.45

**CAREER EXAMPLES**

- Food Scientist, Technologist or Chemist
- Flavourist
- Health Promotion Officer
- Nutritionist
- Quality Assurance Technician
- Catering Manager

**COMBINE THIS DEGREE WITH**

- Bachelor of Business
Kimberley has always been interested in nutrition and wanted to pursue further study in the field. After originally considering a degree in dietetics, she ended up enrolling in a Bachelor of Food Science and Human Nutrition. Kimberley was fascinated by what she was studying and excited by the great employment prospects ahead. The real-world, practical experience gained throughout her degree gave Kimberley the edge when it came to finding work. She’s currently leading a successful career in the Research and Development team for Mars on the Central Coast. Kimberley
Bachelor of Food Science and Human Nutrition, 2018
MEDICAL RADIATION SCIENCE

Medical imaging and radiation therapy are rapidly evolving fields used to diagnose and treat disease to improve patient health. From the emergency room and operating theatre, to cancer treatment and nuclear medicine, your skills can be utilised in a number of different areas.

The University of Newcastle offers degrees in three unique professional areas through the Bachelor of Medical Radiation Science (Honours) – Diagnostic Radiography, Nuclear Medicine and Radiation Therapy.

newcastle.edu.au/study/health-and-medical-services

WHICH ONE IS FOR ME?

DIAGNOSTIC RADIOGRAPHY

Diagnostic radiographers are trained to operate a wide range of advanced imaging equipment from x-ray and ultrasound, to magnetic resonance imaging (MRI) and computed tomography (CT). These are used to help diagnose and monitor injury and illness, manage patient health and improve lives. Radiographers are employed in public and private practice, working across a range of clinical studies or specialist areas including imaging modality.
**NUCLEAR MEDICINE**

As a nuclear medicine graduate, you will use radioactive substances and specialised imaging equipment to diagnose and treat diseases. Radioisotopes are typically injected into the bloodstream of a patient, traveling to the affected area to create images of the function and anatomy of the body. These images can help diagnose life-threatening diseases such as cancer, bone infections, tumours, heart disease, blood clots and inadequately functioning organs.

**RADIATION THERAPY**

Radiation therapy is a mainstream cancer treatment, which uses a wide range of technologies to image, target and destroy cancer cells. As a radiation therapist you will work to design and deliver a course of treatment to suit a patient’s needs. Working closely with patients, radiation therapists are also required to provide a level of support to assist patients through difficult times.
BACHELOR OF MEDICAL RADIATION SCIENCE (HONOURS) (DIAGNOSTIC RADIOGRAPHY)


Diagnostic radiography is an important first step to diagnosing, treating and managing injuries and disease.

Through the Bachelor of Medical Radiation Science (Honours) (Diagnostic Radiography), you will learn how to use sophisticated technology to create medical images and analyse and manage patient health. You may find yourself working in dynamic settings such as an emergency ward, performing time-sensitive tests to diagnose and save a life – or an operating theatre, finding the exact location of a bleed to avoid a blood clot. The medical images you produce will allow accurate diagnosis and play a vital role in improving community health.

REAL-WORLD EXPERIENCE

You will complete 42 weeks of mentored professional placement in a metropolitan, regional and rural setting to prepare you for your career. You will also have access to the latest diagnostic radiography technologies on campus.

2019 SELECTION RANK

86.30 | Median 95.60

CAREER EXAMPLES

- Diagnostic Radiographer
- Cardiac Technologist
- Chief Radiographer
- Sonographer
- Echocardiography Technologist
- Medical Technician
BRIDGING THE THEORY-PRACTICE GAP

With more than 30 years experience as a radiographer under his belt, University of Newcastle lecturer John Tessier understands the importance of including practical experience into study. An advocate of the University’s commitment to offering work-integrated learning to students, John highlights the undeniable need for professional placement as part of undergraduate learning in diagnostic radiography.

“Work-integrated learning provides a checkpoint not only for teachers and supervisors out in the field, but it also offers students the chance to make sure they’re on the right track.”

“This is a very practical profession and with placements included in every semester, students have the opportunity to interact with patients, test out a range of different skills and bridge the theory-practice gap early on.”

In an ever-evolving field, John continues to support students in their professional development through ongoing practical learning.

Mr John Tessier
Lecturer
School of Health Sciences (Medical Radiation Science)
The University of Newcastle is Australia’s leading nuclear medicine science trainer.

As a nuclear medicine scientist, you’ll apply medical imaging technologies and radioactive chemical compounds (called radiopharmaceuticals) to image the function or physiology of the body. Nuclear medicine scientists use this knowledge to diagnose, treat and prevent disease, providing support to a wide range of patients, from professional athletes with sports injuries, to young children and the elderly with cancer.

2019 SELECTION RANK

72.70 | Median 82.13

CAREER EXAMPLES

• Nuclear Medicine Technologist
• Echocardiography Technologist
• Medical Technician
• Research Scientist
• Technical Writer

REAL-WORLD 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. You will also have access to world-class facilities and technology, such as our $1.5 million on-campus radiopharmacy laboratory.
NATASHA’S STORY

With a desire to find a degree in health that incorporated biology and the human body, Natasha found her calling in a Bachelor of Medical Radiation Science (Honours) (Nuclear Medicine).

From her first year of study, Natasha knew she was on the right path – having the opportunity to get hands-on experience through clinical placement from the very start. Thanks to the University’s strong industry connections with public and private hospitals, rural and metropolitan clinics and private practices, she’s able to use her classroom theory in real-world situations.

Practical experience has allowed Natasha to discover what kind of work she enjoys most and provided direction for the type of career she hopes to pursue after graduation. Upon completion of her degree, Natasha’s goal is to pursue a career as a Nuclear Medicine Technologist, using medical imaging to diagnose and treat injuries and diseases.

Natasha
Bachelor of Medical Radiation Science (Honours) (Nuclear Medicine)
Radiation therapy uses sophisticated radiation technology to target, shrink and destroy cancer cells.

The University of Newcastle is a leading radiation therapy trainer and our graduates are sought after worldwide. As a radiation therapist, you might be involved in discovering a radiology treatment that cures melanoma, or in developing a new technique that reduces radiation exposure. Studying a Bachelor of Medical Radiation Science (Honours) (Radiation Therapy) will set you on a path to make your mark on the world.

2019 SELECTION RANK
60.60 | Median 66.45

CAREER EXAMPLES
• Radiation Therapist
• Echocardiography Technologist
• Medical Technician
• Sonographer

REAL-WORLD EXPERIENCE
You will complete 42 weeks of a mentored professional placement in metropolitan, regional and rural settings. You’ll also have access to world-class facilities like our 3D radiation therapy simulation laboratory, the first of its kind in Australia.
BRINGING RADIATION THERAPY TO VETERINARY CLINICS

As a vital branch of cancer medicine, it’s no surprise that radiation therapy is widely used in hospitals. Now, thanks to the innovative work of radiation therapist Dr Yolanda Surjan, it won’t be long before it’s a common feature of veterinary clinics too.

Dr Surjan’s PhD project aims to clarify the current state of veterinary radiation therapy and was triggered following discussions with a local vet already using the treatment method.

Dr Surjan has established a clinical trial investigating the application of radiation therapy on skin tumours in animals. She aims to improve understanding and training practices so that radiation therapy can be safely embedded into routine veterinary practise.

Dr Yolanda Surjan
Senior Lecturer
School of Health Sciences (Radiation Therapy)
Demand for Bachelor of Nutrition and Dietetics (Honours) graduates is growing as diet and nutrition-related diseases – such as heart disease, diabetes and obesity – become increasingly common worldwide.

As a student, you will have access to world-class researchers and educators, and will learn how to use the latest evidence to manage patient health and discover the powerful science of human nutrition. A career in nutrition and dietetics is immensely rewarding, as you help people understand how nutrition and health are intertwined. Your work could help prevent disease, improving overall health in your community and worldwide.

2019 SELECTION RANK
77.30 | Median 89.85

CAREER EXAMPLES
- Dietitian
- Diabetes Educator
- Health Promotion Officer
- Nutritionist
- Sports Dietitian

ACCREDITATION
Our students are eligible to apply for Accredited Practising Dietitian status as well as full membership to the Dietitians Association of Australia.

REAL-WORLD EXPERIENCE
You will complete professional placements and obtain more than 800 hours of supervised professional practice in a variety of settings across NSW and interstate including hospitals, outpatient clinics and community health centres. You’ll also have the option to complete your final year through the Rural Immersion Program, run at the contemporary $19.4 million Tamworth Education Centre.
USING TECHNOLOGY TO IMPROVE NUTRITION

Professor Clare Collins is empowering a new generation to make healthier food choices. As the leader of the largest group of Accredited Practising Dietitian (APD) researchers in Australia, and Deputy Director of the University of Newcastle’s Priority Research Centre for Physical Activity and Nutrition, Professor Collins is at the forefront of the fight to combat unhealthy eating culture and the chronic health problems it triggers.

She is the project lead in the development of the nib foundation multi-year partnership project Nutrition For You (Nu4U) – which will offer personalised nutrition advice for 18 to 34-year-olds, via the web.

Professor Collins has also developed technology-based tools for dietary assessment, including the Healthy Eating Quiz and the Australian Eating Survey.

Professor Clare Collins
Professor of Nutrition and Dietetics
School of Health Sciences
NHMRC Senior Research Fellow
Gladys M Brawn Senior Research Fellow
Do you want to help people and communities overcome unique challenges to get the most out of everyday life?

The role of an occupational therapist is incredibly broad. With the Bachelor of Occupational Therapy (Honours), you can enable children to reach developmental milestones or improve their occupational participation in all areas of their lives. You could assist people to return to their daily lives after a stroke or hip replacement, or design programs that allow people to return to their jobs following workplace injuries. Occupational therapists also use therapeutic activities, and specialised skills within mental health and community practice. They adapt environments and prescribe equipment that can assist people in the skills needed for living. In this degree you will learn how to enable people to regain their abilities to do the things that they need and want to do to live fuller lives.

2019 SELECTION RANK
85.60 | Median 92.25

CAREER EXAMPLES
• Occupational Therapist
• Exercise Rehabilitation
• Injury Management Advisor
• Lifestyle Coordinator
• Rehabilitation Consultant

ACCREDITATION
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).

REAL-WORLD EXPERIENCE
During your studies you will complete more than 1,000 hours of professional practice and be mentored and supervised by qualified occupational therapy practice educators. Students have the option to complete placement with the University’s Rural Health Departments in Coffs Harbour, Tamworth, or Port Macquarie. You will have access to interactive, technology-based learning facilities including our specially designed clinical skills laboratory, complete with a modified home and a virtual house and playground.
Since completing his Bachelor of Occupational Therapy in 2011, Joel has gained national recognition as the driving force behind the Waves of Wellness Foundation – a mental health charity promoting wellness through surf therapy. The charity, which helps teach people how to surf as a coping strategy for dealing with mental health issues, focuses on finding healthy outlets for all people whether they’re struggling or not.

After seeing those around him go through challenging times, Joel was determined to find a new approach to tackling mental health. In combining his love of surfing with his experience working in hospitals, Joel is ensuring that people who are struggling don’t ever have to go it alone.

His work has seen him nominated for a University of Newcastle Alumni Award for Exceptional Community Service and even earned him an audience with Prince Harry and Meghan Markle during their time in Australia in late 2018.

Joel
Bachelor of Occupational Therapy, 2011
As an oral health therapist, you will work closely with dental practitioners to provide a range of preventive and restorative procedures like cleaning, scaling, polishing and x-rays, restorations and primary extractions.

The Bachelor of Oral Health Therapy is the only one in NSW that provides dual qualifications in dental hygiene and dental therapy, with adult scope of practice – qualifying you to treat both children and adults. Use these unique skills to make a real difference and shape a healthier future for Australia.

2019 SELECTION RANK
60.60 | Median 66.45

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

ACCREDITATION
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).

REAL-WORLD EXPERIENCE
You will complete a minimum of 500 hours of supervised dental practice, initially at our on-campus oral health clinic and later in clinical placements. Clinical placements could include working in childcare facilities, residential aged care facilities, community dental clinics, specialist dental departments, public hospital dental clinics and private dental practices.

You’ll also have the opportunity to travel to West Timor or Cambodia on a community outreach trip to support the oral health of children.
JACQUELINE’S STORY

Bachelor of Oral Health Therapy alumnus Jacqueline is helping improve health outcomes in Indigenous communities.

During her studies, Jacqueline completed a clinical placement at the University’s oral health van at the Ungooroo site in Singleton – offering services twice weekly to Ungooroo children aged one to 18. Not only did Jacqueline’s contribution help fill a gap in dental health services for the local community, it improved her ability to think practically and interact with patients.

After graduating, Jacqueline spent time working in the field as an Oral Health Therapist for Walgett Aboriginal Medical Service – providing much needed services to the community. Most recently, Jacqueline has returned to the University of Newcastle to complete her Honours where her studies are focused on diet and oral health.

Jacqueline
Bachelor of Oral Health Therapy, 2017
Pharmacists play an integral role in the provision of healthcare services.

As a pharmacist, you will be on the industry frontline – counselling people on the best use and management of medications. When you study a Bachelor of Pharmacy (Honours), you’ll learn how to provide advice on the symptoms and management of common ailments, prepare and formulate medications, and educate the community on a wide range of health and wellbeing matters.

2019 SELECTION RANK
72.00 | Median 85.75

CAREER EXAMPLES
• Community Pharmacist
• Hospital Pharmacist
• Industrial Pharmacist
• Researcher
• Pharmaceutical Policy Officer

ACCREDITATION
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.

REAL-WORLD EXPERIENCE
You will undertake over 420 hours of clinical placement in a variety of settings both locally and nationally. This will include 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.
Chair of Clinical Pharmacology Professor Jennifer Martin is investigating the use of medical cannabis for terminally ill adult cancer patients.

Professor Martin and her team are leading the pharmacology aspect of a NSW Government study that aims to significantly improve the wellbeing of terminal patients at the end of life. The trial will assess the ability of cannabis to relieve distressing symptoms at the end of life.

Professor Martin and her team have also been awarded $1.96 million in Cancer Council NSW research funding to develop a personalised chemotherapy dosing system for cancer patients to improve quality of life, reduce side effects and increase chance of survival.

Professor Jennifer Martin
Chair of Clinical Pharmacology
School of Medicine and Public Health
Bachelor of Physiotherapy graduates work with people of all ages to help them stay well and to overcome injuries and disabilities that hinder their function, mobility and quality of life. You will learn problem solving skills and utilise a variety of evidence-based assessment and management strategies. You might find yourself assisting an elderly patient’s stroke rehabilitation, developing a new device that greatly improves the quality of life for a child with a movement disorder, treating a person in intensive care with multiple traumatic injuries after a car accident or helping a professional sports player in the management of an injury.

2019 SELECTION RANK
96.50 | Median 99.95

CAREER OPPORTUNITIES
Our graduates have great job prospects with 97 per cent securing work within four months of finishing their degree*. A physiotherapy qualification from the University of Newcastle will ensure you have the vital skills required to excel as a health professional. Our graduates are often employed in health care organisations, sports and workplace settings or private practices.

ACCREDITATION
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).

REAL-WORLD EXPERIENCE
You will complete a number of clinical placements, supervised by qualified physiotherapists. Your clinical placements will occur in varied settings with people of different ages and different health concerns. You will undertake placements in both public and private sectors, in community health centres, hospital wards and outpatient clinics, private practices, disability services and rehabilitation units. You may also have the opportunity to complete a placement in an international setting.

*Quality Indicators for Learning and Teaching 2018
Growing up in Coonabarabran, Aaron’s love for all things sport started at an early age where he played everything from rugby league to soccer to cricket at both a local and representative level. For the Gamilaroi man, sport, health and physical fitness always played an important role in Aaron’s life and he knew he wanted to focus his future around those areas. With the assistance of Wollotuka’s Alternative Entry Scheme, Aaron was accepted into a Bachelor of Exercise and Sport Science before transferring to the Bachelor of Physiotherapy. Since graduating, Aaron has secured a job at Macquarie Physiotherapy and has been using his skills and background in sport to shape the way people view their physical health. He’s helping people to live more active lifestyles and focusing on sport as medicine to prevent lifestyle diseases.

Aaron
Bachelor of Physiotherapy (Honours), 2015
The Bachelor of Podiatry is the only three-year, accelerated, undergraduate podiatry degree in Australia. As a podiatrist, you will help patients get back on their feet by diagnosing, treating and preventing lower leg and foot problems and promoting good health. You could find yourself correcting sports injuries, addressing developmental issues in children or helping restore a person’s independence and mobility. Our podiatry graduates are highly employable thanks to our world-class podiatry clinic.

2019 SELECTION RANK
72.30 | Median 87.30

CAREER EXAMPLES
- General or specialised podiatry practice eg. sports podiatry
- Health Promotion Officer
- Researcher
- Podiatric Surgeon

ACCREDITATION
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). This degree is also accredited by the Australia and New Zealand Podiatry Accreditation Council.

REAL-WORLD EXPERIENCE
Podiatry students complete more than 1,000 hours of practical experience and work alongside experienced podiatrists. Our state-of-the-art teaching facilities include orthoses, clinical skills and research laboratories. We also have a fully equipped university-run clinic where students are given opportunities to learn and practice on real patients at Wyong Hospital.
A STEP FORWARD FOR PODIATRY RESEARCH

A growing leader and innovator, Dr Andrea Coda’s work in the field of podiatry is improving the lives of many children and patients at risk of lower limb complications.

As part of his PhD study, Dr Coda investigated the clinical effectiveness of foot orthoses on patients diagnosed with Juvenile Idiopathic Arthritis (JIA). Always one to embrace new innovation and partnerships, Dr Coda has taken his research to the digital world – pioneering and validating a new eHealth platform and app currently used as part of three full-time PhD projects that he is supervising in the field of Paediatric Rheumatology, Type 2 Diabetes and Symptomatic Hypermobility.

In expanding his expertise and making a lasting international impact, Dr Coda is also in the process of introducing new, cost-effective mobile health (mHealth) solutions in two major Spanish hospitals – reaching up to 15,000 patients with chronic diseases.

Dr Andrea Coda
Senior Lecturer
School of Health Sciences
Psychological science is a fascinating area which examines the cause of human behaviour. This understanding is then used to solve practical problems that will positively impact the lives of others. The need for psychology expertise is growing in popularity, with demand for psychologists predicted to increase by 140 per cent over the next 10 years*.

The Bachelor of Psychological Science can be applied in a broad range of industry sectors, enabling you to choose the career path that’s right for you. This degree includes new criminal psychology content and a professional skills strand of courses each year which will help you develop workplace skills. You will have access to professional psychologists teaching into the program and psychology research labs to enhance your practical skills and theoretical studies.

2019 SELECTION RANK
62.50 | Median 76.40

CAREER EXAMPLES
- Careers Counsellor
- Case Worker
- Juvenile Justice Officer
- Market Researcher
- Mediator
- Practicing Psychologist

ACCREDITATION
This program is accredited by the Australian Psychology Accreditation Council and recognised by the Psychology Board of Australia and the Australian Psychological Society (APS).

WAYS OF TEACHING AND LEARNING
Opportunities for work-integrated learning allows students to gain experience in an organisation – providing psychology related services or even in a working research lab. Postgraduate pathways are available for graduates of this degree including a Master of Business Psychology, Master of Professional Psychology, Master of Clinical Psychology and other higher degrees related to psychology.

*Department of Jobs and Small Business 2018
THOMAS’S STORY

Thomas’s passion for neuropsychology and anything brain-related saw him take the leap from a career in carpentry, to a Bachelor of Psychology at the University of Newcastle.

During his studies, Thomas embraced many exciting opportunities offered by the University – from attending the United Nations University Scholars Leadership Symposium in Bangkok, to volunteering in the Functional Neuroimaging Laboratory (FNL) to gain real-world experience in cognitive neuroscience. Several University research roles led to his current employment as a Clinical Trials Coordinator for the Neuropsychiatry Service at Hunter New England Health, where he coordinates clinical trials in Alzheimer’s Disease.

With his sights set on completing a Master of Clinical Neuropsychology, and later, a PhD – it’s fair to say Thomas’s exploration of the fundamentals of human behaviour is only just beginning.

Thomas
Bachelor of Psychology (Honours)
Understanding the science behind human behaviour, the human brain and its effect on the way we act and why, form the foundation of psychological science.

The Bachelor of Psychological Science (Advanced) will not only help you deepen your understanding of theoretical methodologies – but with opportunities to participate in work-integrated learning, you’ll develop valuable connections with industry and other professionals to improve employment outcomes when you graduate. 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.

2019 SELECTION RANK
N/A | Median N/A

CAREER EXAMPLES
• Careers Counsellor
• Juvenile Justice Officer
• Practicing Psychologist

ACCREDITATION
This program is seeking provisional accreditation through the Psychology Board of Australia, the Associate Membership of the Australian Psychological Society (APS), and the Australian Psychology Accreditation Council (APAC).

REAL-WORLD EXPERIENCE
The Bachelor of Psychological Science (Advanced) offers additional research and work-integrated learning opportunities. You will apply your studies to complete a major transdisciplinary capstone project throughout your third year.
BRIDGING THE GAP BETWEEN PHYSICAL AND MENTAL HEALTH CARE

In Australia, people with a mental health condition have a reduced life expectancy of up to 16 years – due largely to chronic physical health conditions such as cardiovascular disease, diabetes and cancer. It’s an inequality that Professor Jennifer Bowman is working to correct.

This alarming statistic can be attributed at least in part to an increase in health risk behaviours in this sub-group – things like smoking, physical inactivity, poor nutrition and harmful alcohol consumption.

Through her research and partnering with health services, Professor Bowman aims to provide preventive, holistic care to people with a mental health condition which is accessible, effective, and sustainable.

Professor Jenny Bowman
School of Psychology
Are you passionate about changing the world? Globally, the most common health issues are preventable – this is the focus of public health.

The Bachelor of Public and Community Health is an ideal degree for students interested in a career that enhances the health of communities – from a global impact to a local community focus. The Bachelor of Public and Community Health provides the opportunity to tailor your own program and forge a career pathway based on your own passions and aspirations in protecting and promoting the health of communities. Students will develop a strong foundation to be a leader in their chosen area. This is an opportunity to be part of the world’s first degree underpinned by ‘big picture’ learning design – this allows personalised learning plans based on students’ interests and passions.

2019 SELECTION RANK
N/A | Median N/A

CAREER EXAMPLES
• Community Development Worker
• Community Educator
• Community Health Officer
• Environmental Health Officer
• Epidemiologist
• Health Administrator
• Health Educator
• Health Promotion Officer
• Project Officer
• Public Health Officer
• Public Health Program Manager
• Social Marketing Manager

WAYS OF TEACHING AND LEARNING
In a world first bachelor degree, the Bachelor of Public and Community Health focuses on a ‘big picture’ learning design. Not only do students complete volunteer and micro work experiences throughout their learning, the compulsory leadership program and semester-long internship in final year ensure graduates are career-ready.
Professor Erica James studies how behavioural nutrition and physical activity can aid cancer prevention. With research showing that one in three cancers – around 37,000 cases each year in Australia – are due to modifiable lifestyle risks, Professor James has developed novel lifestyle interventions aimed at improving the health behaviours of adult cancer survivors and their carers.

In partnership with Cancer Council NSW, Professor James developed the Exercise and Nutrition Routine Improving Cancer Health (ENRICH) Program. The first of its kind in Australia, ENRICH aims to substantially reduce the proportion of cancers caused by lifestyle behaviours – like poor diet, being overweight, smoking and alcohol consumption – and inspire, motivate and support cancer patients and survivors to maintain healthy lifestyle choices.

Professor Erica James
School of Medicine and Public Health
Speech pathologists are allied health professionals responsible for the assessment and treatment of children and adults with communication and swallowing disorders.

Speech pathology is used across a range of practice areas including speech, language, voice, fluency, swallowing and multimodal communication. When you undertake a Bachelor of Speech Pathology (Honours) at the University of Newcastle, you will have the opportunity to study with award-winning researchers and gain an understanding of the profession through substantial clinical experience.

The Bachelor of Speech Pathology (Honours) also offers the opportunity to complete a fourth-year International Stream or Graded Honours option. The International Stream provides clinical placement with our partners in countries like Vietnam, Fiji, Nepal, China and Singapore to explore different cultural understandings and speech pathology practices in developed and developing countries. Graded Honours enables a direct pathway to further study with the development and conduct of a major research project under the supervision of a speech pathology academic.

2019 SELECTION RANK
77.10 | Median 88.78

CAREER
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.

ACCREDITATION
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.

REAL-WORLD 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 across the globe. Additionally, some clinical placements are completed within the University of Newcastle’s on-campus speech pathology clinic.
Bachelor of Speech Pathology (Honours) alumnus Imogen has taken her studies across the globe. After receiving a prestigious scholarship under the Australian Government’s New Colombo Plan (NCP), Imogen travelled to Hong Kong, where she studied at Hong Kong University.

Not only did Imogen make new friends, experience a new culture, and forge valuable connections from all over the world – she also developed diverse skills that will set her apart from other graduates in the professional world.

Imogen  
Bachelor of Speech Pathology (Honours), 2017
RELATED DEGREES

You may also be interested in one of the following degrees that touch on the Health and Medical Services study area.

BACHELOR OF BIOTECHNOLOGY

When you study a Bachelor of Biotechnology, you will help to develop technologies that improve our communities and the health of our planet. You might be the researcher that develops a super crop that can survive harsh climates and feed the hungry. The products of biotechnology are all around us and you can be at the forefront of scientific development and discovery.

For further information on this program refer to the Science and the Environment brochure or visit newcastle.edu.au/study/science-and-the-environment

BACHELOR OF MEDICAL ENGINEERING (HONOURS)

Medical engineers take new technology and create better solutions. With a Bachelor of Medical Engineering, you’ll apply engineering principles and design processes to find innovative solutions to healthcare problems.

For further information on this program refer to the Engineering brochure or visit newcastle.edu.au/study/engineering

CONNECT WITH OUR GLOBAL ALUMNI NETWORK

Spanning 134 countries, the University of Newcastle’s global alumni network is making a positive difference to the world. This diverse group of global professionals provide invaluable support for our students by sharing their time and expertise. Whether it’s through a mentoring program, industry experience or attending a networking event, you’ll be inspired and empowered by those who have blazed the trail before you. And, when you graduate, you too will join this outstanding group of over 143,000 alumni around the world. Because wherever you are, whatever you’re doing, you are always part of our global alumni community.

newcastle.edu.au/alumni

IF YOU’RE READY TO CHASE YOUR DREAMS AND THRIVE, NOW IS THE TIME. FIND YOUR NEW.

For full information and to find out how to apply, visit newcastle.edu.au/study