

STUDY AREA

HEALTH AND MEDICAL SERVICES



THE UNIVERSITY OF
NEWCASTLE
AUSTRALIA



MATT JUMPS IN FEET FIRST

Moving from his hometown of Gunnedah, NSW to study a Bachelor of Podiatry, Matt saw early on how his skills could benefit the entire community. Matt is passionate about rural health and believes health services should be accessible to everyone – something that he continues to advocate for. During his studies, Matt was able to further his passion for supporting rural communities – completing a placement in Dubbo, participating in a number of outreach programs and using telehealth technology as a tool for providing care to rural patients. With a goal of one day opening his own clinic, Matt plans to provide a variety of health services to support the local people in his town.

Matt
Bachelor of Podiatry, 2019



HEALTH AND MEDICAL SERVICES

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

NO. 38

in the world for Sport Science¹

**MORE THAN 100
OF AUSTRALIA'S
INDIGENOUS MEDICAL
DOCTORS HAVE
GRADUATED FROM
THE UNIVERSITY
OF NEWCASTLE²**

No. 38

in the world for Nursing³

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)

*For further information on Bachelor of Medical Science and Doctor of Medicine please refer to newcastle.edu.au/jmp

¹ Shanghai Ranking's Global Ranking of Sport Science Schools and Departments 2018

² School of Medicine and Public Health Indigenous Health Unit completions as of 2018

³ QS World University Rankings by Subject 2020

YOUR JOURNEY STARTS HERE

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, microbreweries 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.

Great health and fitness facilities await you at The Forum University (Callaghan) and Harbourside (Newcastle City). You'll find a 50m indoor heated swimming pool, fitness classes, state-of-the-art equipment, indoor courts and casual or structured social sport competitions all year. No matter which campus you study at, there's always something happening during the semester. There are plenty of events from Orientation Party to festivals and local gigs. You could attend study workshops, guest lectures or kick back and enjoy watching a movie by moonlight.

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

FREE 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 still have the opportunity to access university studies through our pathway programs, regardless of your background or level of previous education. The programs are offered free of charge and upon successful completion, you're guaranteed entry to over 40 undergraduate degrees at the University of Newcastle.

- **Newstep**
If you didn't complete Year 12, or missed the chance to get the marks needed for university entry, our Newstep program offers the perfect pathway between secondary schooling and university. Study on campus at Newcastle or the Central Coast.
- **Open Foundation**
If you've never studied at university before and you're considering a degree qualification after time in the workforce or caring for family, or just looking to further your interests, our Open Foundation program can help make this happen.
- **Yapug - Aboriginal and Torres Strait Islander Students**
Yapug is a pathway program providing Aboriginal and Torres Strait Islander people with skills for entry into undergraduate degrees, including a pathway into Medicine. Start your university experience in a culturally appropriate learning environment, supported by Indigenous peers and staff.

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.

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 across all major continents, it really is the chance of a lifetime.

newcastle.edu.au/studyoverseas

CAREER-READY GRADUATES

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.

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.

THE MA & MORLEY SCHOLARSHIP PROGRAM

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

The Program was established through a generous \$26 million commitment by Chinese entrepreneur Jack Ma, in honour of his lifelong friendship with respected Newcastle local Ken Morley.

SCHOLARSHIPS

You might be bursting with new ideas, passion and potential. But without support, attending university can sometimes seem impossible.

The University of Newcastle's scholarship programs have been designed to provide this support and give you the opportunity to develop your talent and explore your potential.

We have over 1,000 individual scholarships on offer including:

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

Visit the website to find a scholarship that fits for you

newcastle.edu.au/scholarships

ABORIGINAL AND TORRES STRAIT ISLANDER SCHOLARSHIPS

The Aboriginal and 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 Torres Strait Islander students financial support to assist with completing their studies.

newcastle.edu.au/scholarships

BETTY JOSEPHINE FYFFE RURAL HEALTH SCHOLARSHIPS

We are committed to delivering quality health and medical education to those in rural and remote communities.

Through the generous bequest of Betty Fyffe, a range of scholarships are available for health students from rural and remote areas.

Visit the website to learn more and to apply.

newcastle.edu.au/fyffe

BACHELOR OF BIOMEDICAL SCIENCE



newcastle.edu.au/degrees/bachelor-of-biomedical-science

Biomedical science graduates have the knowledge and skills to contribute to 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. You might contribute to science and innovation in education, industry or commerce using groundbreaking medical innovations to solve real-world problems. Or maybe you will build a solid foundation for your career as a health practitioner with enhanced research capability.

2020 SELECTION RANK

75.00 | Median 89.65

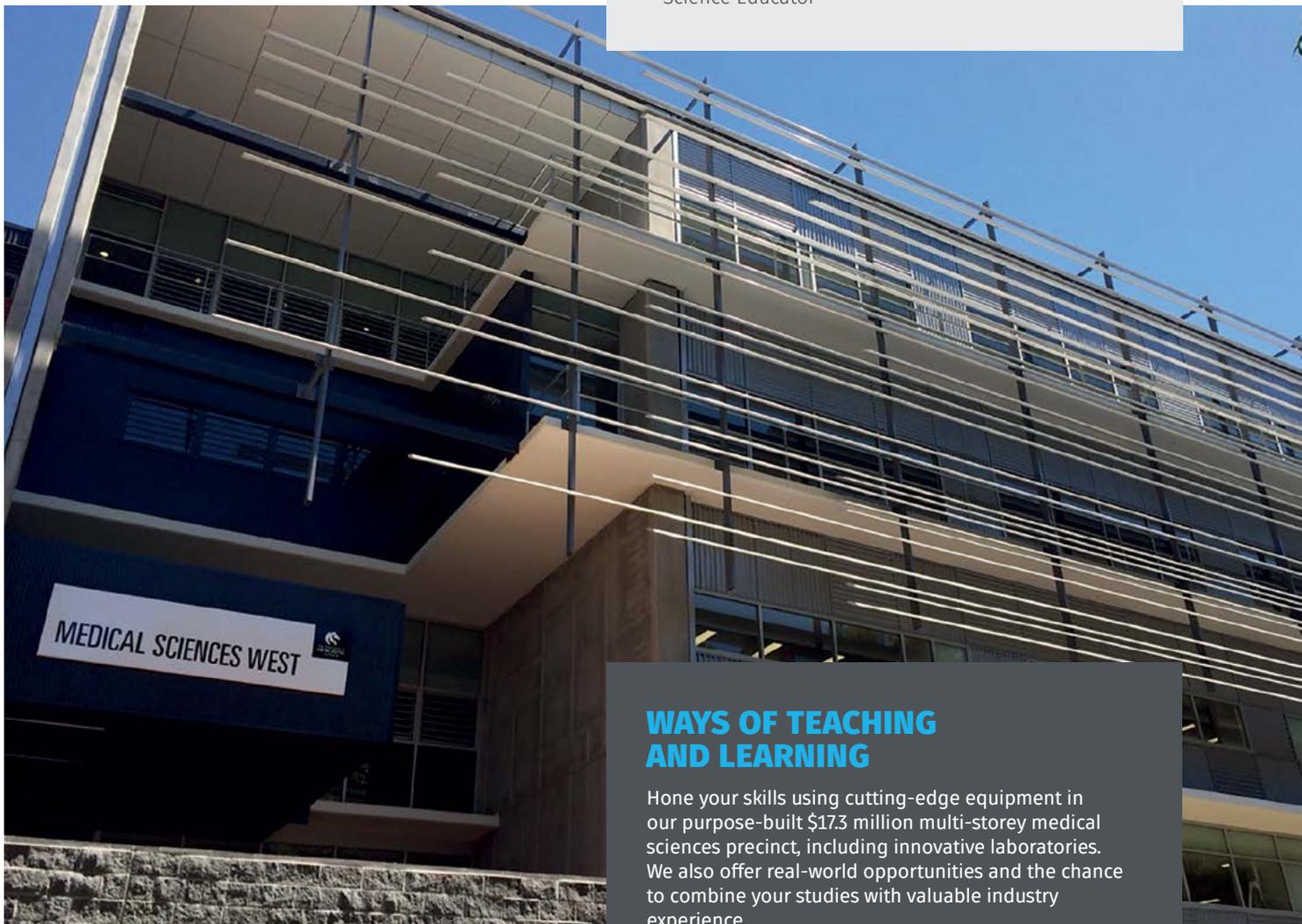
SPECIALISE

You can specialise in one of the following majors:

- Medical/Health Professional
- Advanced Medical Research
- Industry and Education

CAREER EXAMPLES

- 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.



JESSICA'S STORY

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 pursue postgraduate studies in Neuroscience at the University of Oxford.

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

More recently, Jessica was the recipient of the Young Australian Achiever of the Year in UK, in the 2019 Australia Day Awards. She has completed her DPhil (PhD) at Oxford and is currently working as a postdoctoral researcher in the Brain Tumour Research Group at the Telethon Kids Institute in Perth. As an outstanding early career researcher, Jessica has also received a Forrest Research Fellowship for her postdoctoral research.

Jessica

Bachelor of Biomedical Science, 2013

BACHELOR OF EXERCISE AND SPORT SCIENCE



newcastle.edu.au/degrees/bachelor-of-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.

2020 SELECTION RANK

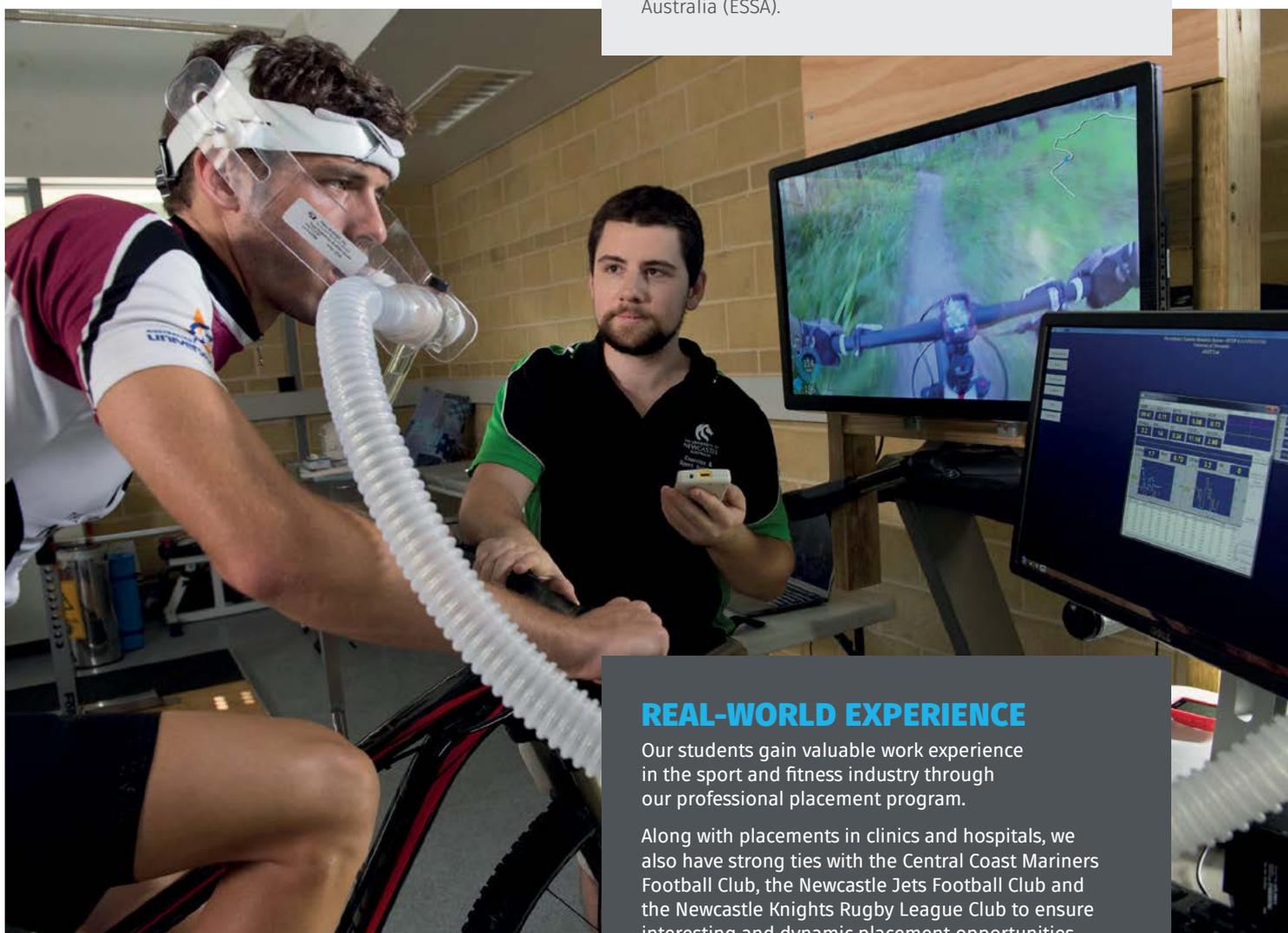
73.00 | Median 81.25

CAREER EXAMPLES

- Exercise Scientist
- Exercise Rehabilitation/Injury Management Advisor
- Player Development Manager
- Research Scientist
- Sports Administrator
- Sports Development Officer

ACCREDITATION

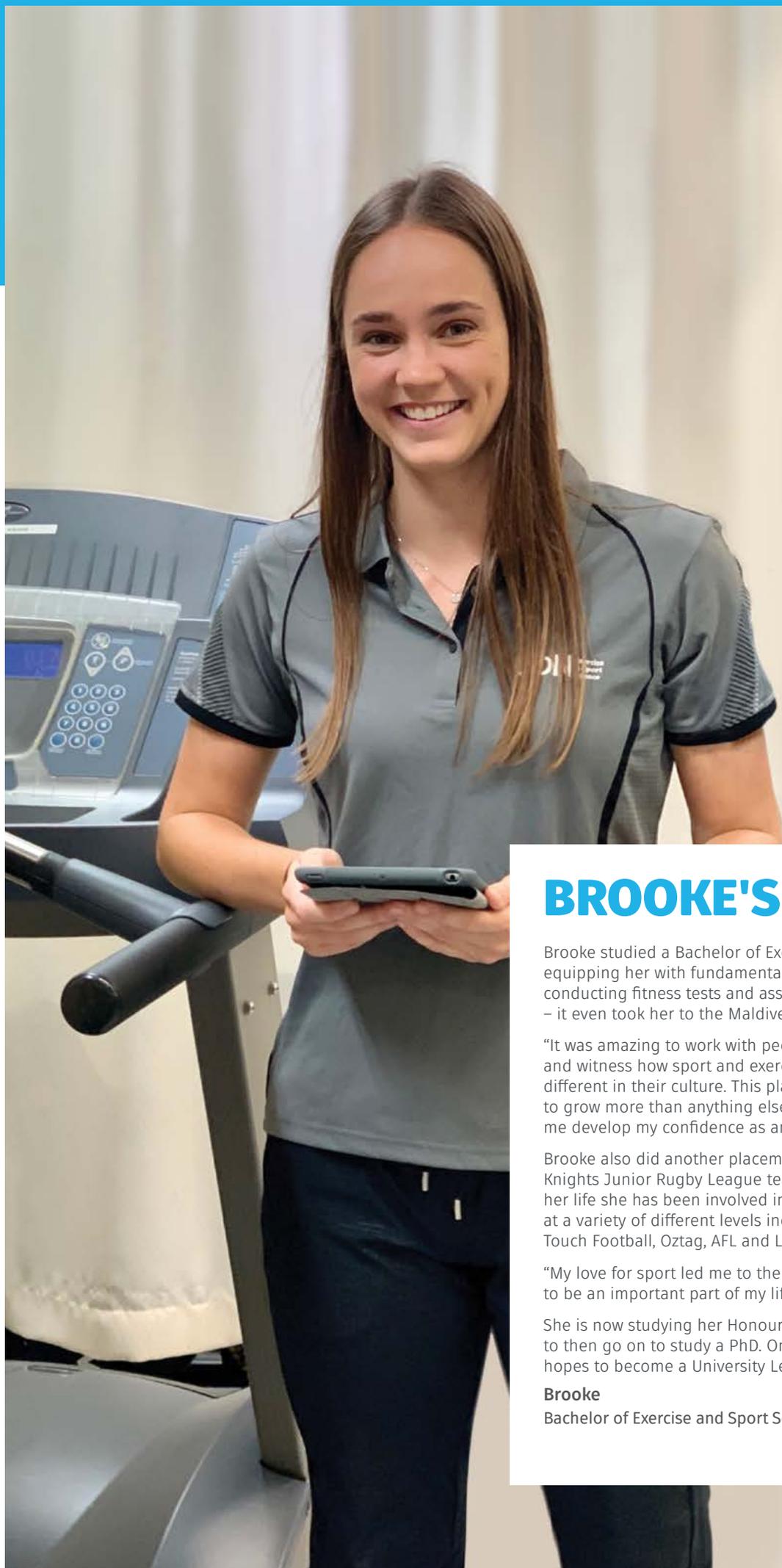
Graduates are eligible for accreditation as an Exercise Scientist with Exercise and Sport Science Australia (ESSA).



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 and the Newcastle Knights Rugby League Club to ensure interesting and dynamic placement opportunities.



BROOKE'S STORY

Brooke studied a Bachelor of Exercise and Sport Science equipping her with fundamental skills in program design, conducting fitness tests and assessing exercise technique – it even took her to the Maldives on study placement.

“It was amazing to work with people from the Maldives and witness how sport and exercise are so vastly different in their culture. This placement allowed me to grow more than anything else and really helped me develop my confidence as an Exercise Scientist.”

Brooke also did another placement with the Newcastle Knights Junior Rugby League team. Throughout her life she has been involved in a range of sports at a variety of different levels including Netball, Touch Football, Oztag, AFL and League Tag.

“My love for sport led me to the degree and still continues to be an important part of my life,” says Brooke.

She is now studying her Honours and plans to then go on to study a PhD. One day she hopes to become a University Lecturer.

Brooke

Bachelor of Exercise and Sport Science (Honours)

BACHELOR OF

FOOD SCIENCE AND HUMAN NUTRITION



newcastle.edu.au/degrees/bachelor-of-food-science-and-human-nutrition

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.

2020 SELECTION RANK

62.00 | Median 69.55

CAREER EXAMPLES

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

COMBINE THIS DEGREE WITH

- Bachelor of Business



WAYS OF TEACHING AND LEARNING

Offered from our Central Coast (Ourimbah) campus, you will train in our University test kitchen, which has recently undergone a \$1 million transformation, featuring state-of-the-art teaching technology, and analytical and product development facilities.

This is an essential part of the product development process, where you can initiate and test product concepts and learn how it's done in the industry. There are also opportunities for work placements and field trips to give you a competitive edge.



KIMBERLEY'S STORY

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, with a focus on food safety and allergen management.

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?

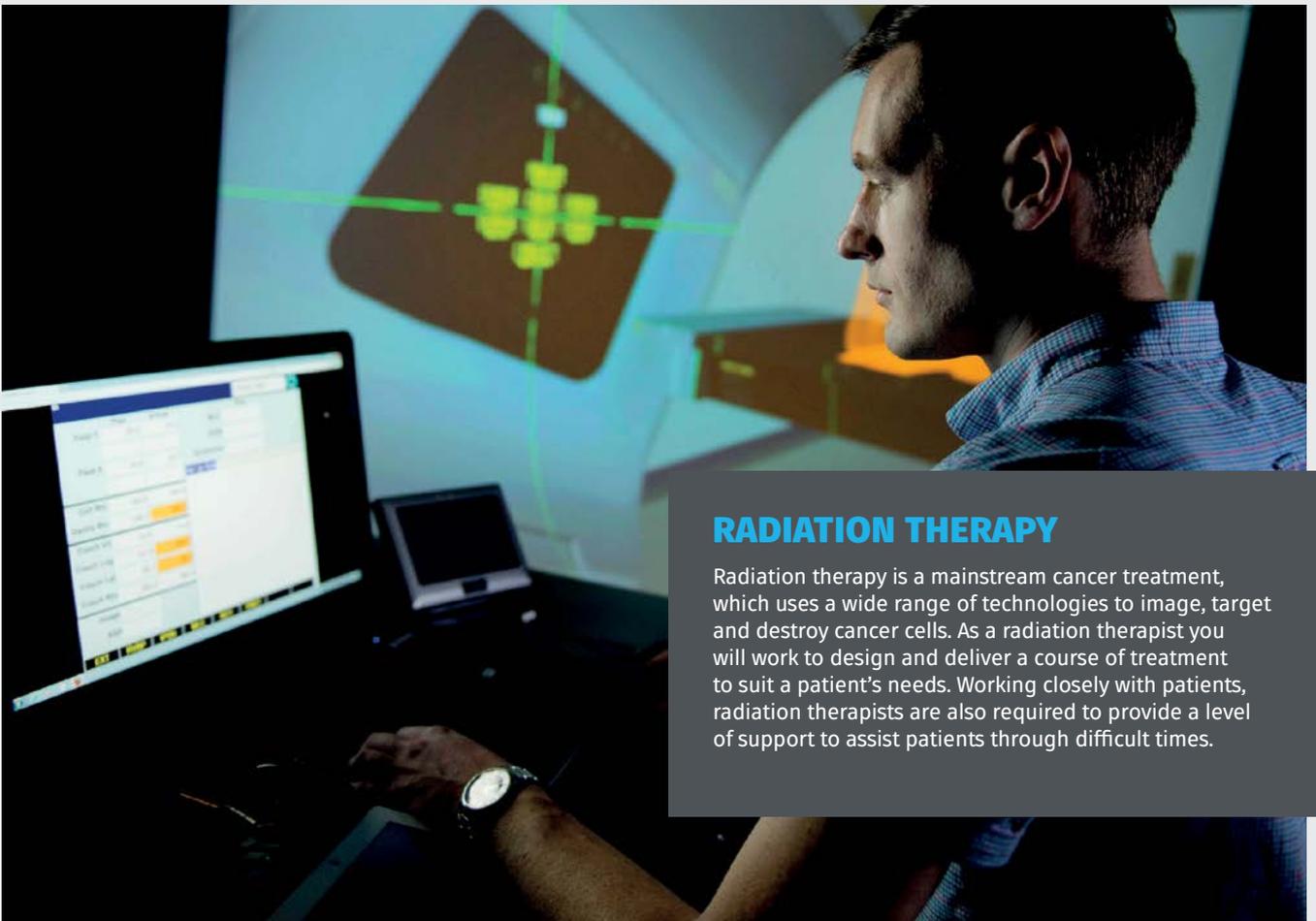
DIAGNOSTIC RADIOGRAPHY

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, travelling 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)



newcastle.edu.au/degrees/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. Diagnostic radiographers work in a variety of settings including public and private settings in metropolitan, regional and rural areas. The medical images you produce will allow accurate diagnosis and play an important role in improving patient outcomes in both acute and chronic presentations.

2020 SELECTION RANK

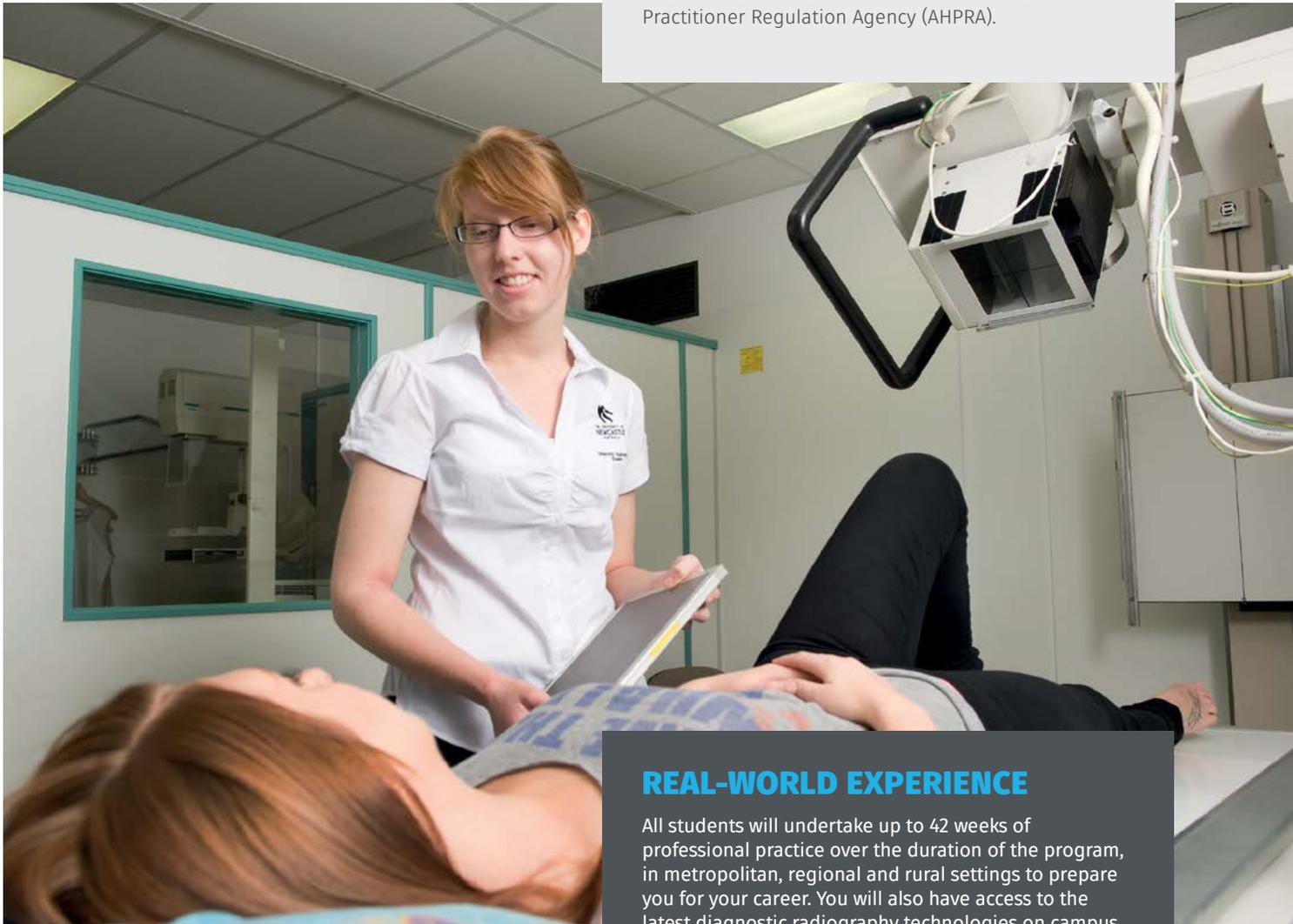
83.10 | Median 93.40

CAREER EXAMPLES

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

ACCREDITATION

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).



REAL-WORLD EXPERIENCE

All students will undertake up to 42 weeks of professional practice over the duration of the program, in metropolitan, regional and rural settings to prepare you for your career. You will also have access to the latest diagnostic radiography technologies on campus.

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

Program Convenor, Medical Radiation Science (Honours)
School of Health Sciences (Medical Radiation Science)



BACHELOR OF MEDICAL RADIATION SCIENCE (HONOURS) (NUCLEAR MEDICINE)



newcastle.edu.au/degrees/bachelor-of-medical-radiation-science-honours-nuclear-medicine

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.

2020 SELECTION RANK

69.55 | Median 82.85

CAREER EXAMPLES

- Nuclear Medicine Technologist
- Nuclear Medicine Technician
- PET Technologist

ACCREDITATION

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



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)

BACHELOR OF MEDICAL RADIATION SCIENCE (HONOURS) (RADIATION THERAPY)



newcastle.edu.au/degrees/bachelor-of-medical-radiation-science-honours-radiation-therapy

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.

2020 SELECTION RANK

70.50 | Median 80.85

CAREER EXAMPLES

- Chief Radiation Therapist
- Radiation Therapist
- Dosimetrist
- Medical Physicist

ACCREDITATION

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



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)



NUTRITION AND DIETETICS (HONOURS)



newcastle.edu.au/degrees/bachelor-of-nutrition-and-dietetics-honours

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. You will help prevent disease, improving overall health in your community and worldwide.

2020 SELECTION RANK

73.70 | Median 87.30

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 approximately 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, Professor Collins is at the forefront of research to improve the nutrition-related health and well-being of Australians, especially those at risk of chronic health problems. She is the project lead for the nib foundation multi-year partnership project No Money No Time, which links 18 to 34-year-olds via the web to personalised nutrition advice and information. Professor Collins has also developed technology-based tools for dietary assessment, including the Healthy Eating Quiz which has been accessed by over 500,000 people and the Australian Eating Survey used by individuals and researchers across Australia and New Zealand. Her straight talking approach means she is a sought after nutrition science communicator.

Professor Clare Collins

Professor of Nutrition and Dietetics
School of Health Sciences
NHMRC Senior Research Fellow
Gladys M Brawn Senior Research Fellow



BACHELOR OF

OCCUPATIONAL THERAPY (HONOURS)



newcastle.edu.au/degrees/bachelor-of-occupational-therapy-honours

Do you want to help people and communities overcome unique challenges to get the most out of everyday life?

The work 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 in returning to their daily lives after a stroke or hip replacement, or design programs that allow people to return to their jobs, following workplace injuries.

2020 SELECTION RANK

89.05 | Median 92.93

CAREER EXAMPLES

- Occupational Therapist
- Injury Management Advisor
- Lifestyle Coordinator
- Rehabilitation Consultant

ACCREDITATION

The University of Newcastle's Bachelor of 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 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.



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

BACHELOR OF ORAL HEALTH THERAPY



newcastle.edu.au/degrees/bachelor-of-oral-health-therapy

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 program 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.

2020 SELECTION RANK

81.25 | Median 85.05

CAREER EXAMPLES

- Oral Health Therapist
- Dental Therapist
- Health Promotion Officer
- 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 alumna 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. More recently, Jacqueline has completed her Honours with the University of Newcastle, where her studies focused on diet and oral health therapy. She is currently working in private practice and hopes to become involved in nutrition and diet related projects in the near future.

Jacqueline

Bachelor of Oral Health Therapy (Honours), 2017

BACHELOR OF PHARMACY (HONOURS)



newcastle.edu.au/degrees/bachelor-of-pharmacy-honours

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.

2020 SELECTION RANK

72.05 | Median 85.00

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.

IMPROVING QUALITY OF LIFE FOR PALLIATIVE CARE PATIENTS

Chair of Clinical Pharmacology, and Director of the newly established University of Newcastle Centre for Drug Repurposing and Medicines Research (CDRMR), 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

Director of the University of Newcastle Centre for Drug Repurposing and Medicines Research



PHYSIOTHERAPY (HONOURS)

 newcastle.edu.au/degrees/bachelor-of-physiotherapy-honours

Bachelor of Physiotherapy (Honours) graduates work with people of all ages to help them stay well and maintain their function, independence and quality of life.

You will study evidence-based-physiotherapy clinical skills and develop capabilities in critical thinking, problem solving, communication and lifelong learning. Physiotherapy graduates work in various public and private settings including hospitals, rehabilitation and community centres, aged care, with sporting teams and in private practice. The Bachelor of Physiotherapy (Honours) integrates academic theory with extensive practical experience to produce graduates who are ready to meet the challenges of the changing healthcare system.

2020 SELECTION RANK

92.55 | Median 97.15

CAREER OPPORTUNITIES

Our graduates have great job prospects with 97% 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 employed in public and private health care organisations, aged care, community and workplace settings, as well as with sporting teams and in private practice.

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.



AARON'S STORY

Growing up in Coonabarabran, NSW, 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

BACHELOR OF PODIATRY



newcastle.edu.au/degrees/bachelor-of-podiatry

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 managing sports injuries, addressing developmental issues in children or helping to restore a person's independence and mobility. Our podiatry graduates are highly employable thanks to our world-class podiatry clinic.

2020 SELECTION RANK

68.00 | Median 72.13

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 Board of Australia.



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 adults at risk of lower limb complications. As part of his PhD study, Dr Coda investigated the clinical effectiveness of podiatric interventions on patients diagnosed with Juvenile Idiopathic Arthritis (JIA).

Always one to embrace new innovation, Dr Coda has taken his research to the digital world, pioneering and validating a new eHealth platform and App (Interactive Clinics) currently used as part of 3 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 also introduced new, cost-effective mobile (mHealth) solutions in 4 major Spanish hospitals, and up to further 15,000 patients with chronic diseases.

Dr Coda was the recipient of the inaugural Industry Engagement Excellence Award at UON (2019), for his distinguished contributions towards establishing new commercial patents and strategic international partnerships with prestigious industry leaders, such as Vodafone, Abbott Pharmaceutical, CoBond and BitGemona.

Dr Andrea Coda

Senior Lecturer, Podiatry

Program Convenor Hons (Ourimbah Campus)

School of Health Sciences



BACHELOR OF PSYCHOLOGICAL SCIENCE

 newcastle.edu.au/degrees/bachelor-of-psychological-science

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% 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. The degree includes a pre-professional strand of courses each year, which will help you to develop workplace skills. You will have access to psychology labs and the psychology clinic to enhance your practical skills and theoretical studies.

2020 SELECTION RANK

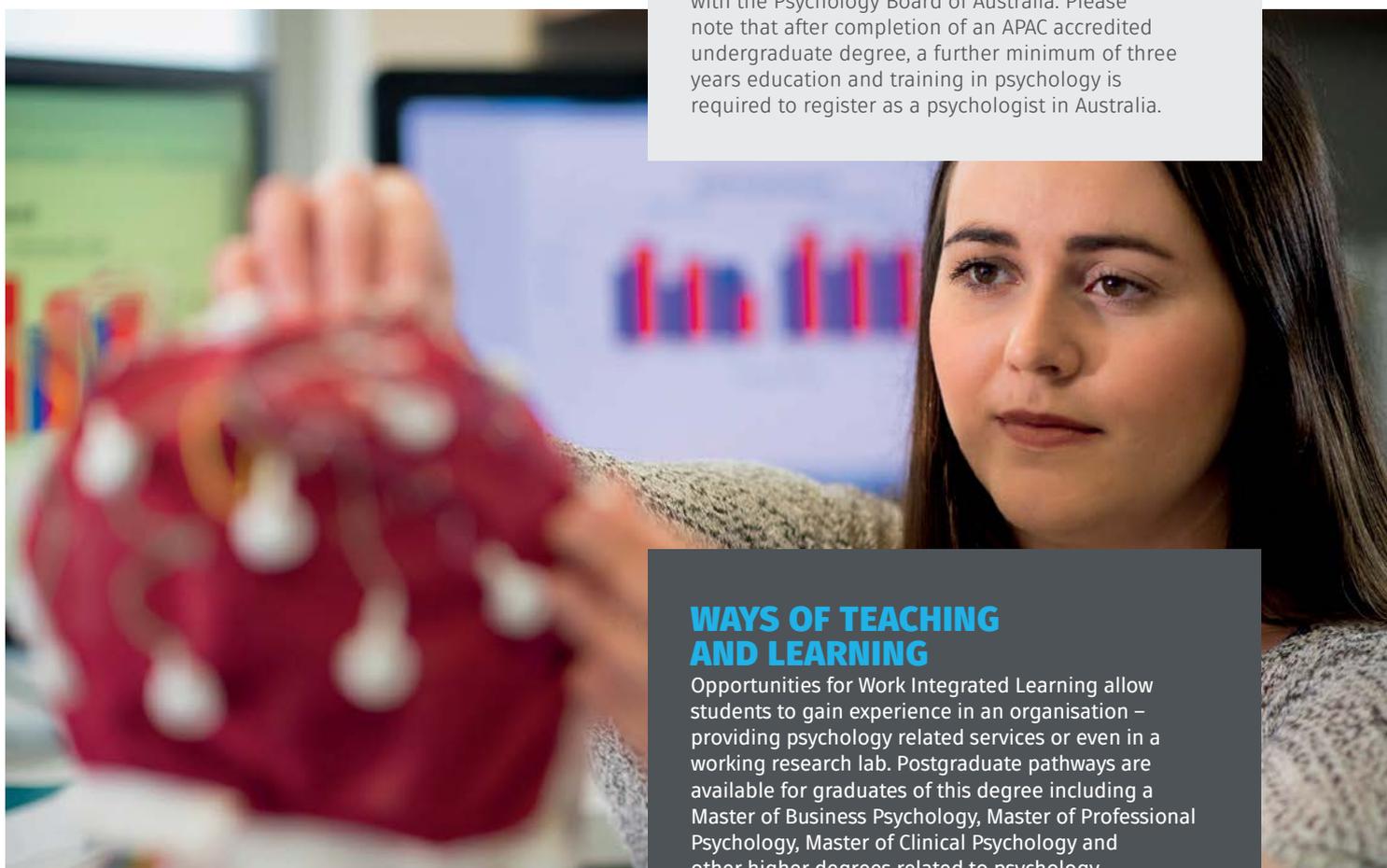
62.00 | Median 72.35

CAREER EXAMPLES

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

ACCREDITATION

This course is currently accredited by the Australian Psychology Accreditation Council APAC and approved by the Psychology Board of Australia. Upon completion of an APAC accredited undergraduate degree, students who go on to complete either the Honours or postgraduate study in Psychology will be eligible for provisional registration as a Psychologist with the Psychology Board of Australia. Please note that after completion of an APAC accredited undergraduate degree, a further minimum of three years education and training in psychology is required to register as a psychologist in Australia.



WAYS OF TEACHING AND LEARNING

Opportunities for Work Integrated Learning allow 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.



THOMAS' STORY

Sometimes a change in direction can lead you on a path you never imagined. This rings true for Bachelor of Psychology (Honours) alumnus, Thomas. Coming from an industrial background, Thomas re-discovered a passion for education. This ultimately paved the way for his undergraduate studies in psychology and subsequently led to his exploration of the fascinating field of neuropsychology and anything brain related.

During his studies, Thomas embraced many exciting opportunities offered by the University – from attending the United Nations University Scholars Leadership Symposium in Bangkok with the University's iLEAD program, to volunteering in the Functional Neuroimaging Laboratory (FNL) to gain real-world experience in cognitive neuroscience.

For his honours project, Thomas collaborated with the Neuropsychiatry Service to examine cognitive functioning and a biomarker of structural brain damage in the blood of people with end stage kidney disease. Not only did he win the Australian Psychological Society's Newcastle Branch award for Significant Achievement in Psychological Research, but he also won the overall prize for first place in the degree.

For Thomas, these awards cemented his decision to pursue university study and embark on an entirely new career. He hopes that his story, and the important work he continues to do, will inspire others to see that anything is possible when you have the passion and drive to achieve it.

Thomas

Bachelor of Psychology (Honours), 2019

BACHELOR OF PSYCHOLOGICAL SCIENCE (ADVANCED)



newcastle.edu.au/degrees/bachelor-of-psychological-science-advanced

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.

2020 SELECTION RANK

95.00 | Median 99.95

CAREER EXAMPLES

- Careers Counsellor
- Juvenile Justice Officer
- Practicing Psychologist

ACCREDITATION

This course is currently accredited by the Australian Psychology Accreditation Council APAC and approved by the Psychology Board of Australia. Upon completion of an APAC accredited undergraduate degree, students who go on to complete either the Honours or postgraduate study in Psychology will be eligible for provisional registration as a Psychologist with the Psychology Board of Australia. Please note that after completion of an APAC accredited undergraduate degree, a further minimum of three years education and training in psychology is required to register as a psychologist in Australia.



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



PUBLIC AND COMMUNITY HEALTH



newcastle.edu.au/degrees/bachelor-of-public-and-community-health

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. Public health professionals develop policies and health promotion, programs to address infectious diseases, homelessness, poverty, lifestyle behaviours, and to improve the environments we live in. Issues like rising rates of chronic disease, healthcare costs and an increased need for research on disease prevention mean there's a growing need for skilled public health professionals in the workforce.

2020 SELECTION RANK

64.00 | Median 76.73

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.

ENRICH PROGRAM REDUCING CANCER RISK

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

Professor of Public Health
School of Medicine and Public Health



BACHELOR OF SPEECH PATHOLOGY (HONOURS)



newcastle.edu.au/degrees/bachelor-of-speech-pathology-honours

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 students 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.

2020 SELECTION RANK

75.00 | Median 85.10

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 the 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.



IMOGEN'S STORY

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 (Honours), 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

#UONalumni

Spanning 144 countries, the University of Newcastle's global alumni network is making a positive difference to the world.

This diverse group of global professionals provides 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'll be in good company. You will join this outstanding group of over 148,000 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.

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