



MACQUARIE
University
SYDNEY · AUSTRALIA

Macquarie University Doctor of Medicine

MACQUARIE MD





“After 30 years of educating medical students and seeing young doctors flourish, it has been exciting to lead the design of a completely new medical program that is future focused and unbound by traditions. I look forward to welcoming our students and being involved closely in their medical education and professional development.”

Professor Patrick McNeil
EXECUTIVE DEAN, FACULTY OF MEDICINE AND HEALTH SCIENCES

ABOUT THE PROGRAM

The Macquarie MD is a new four-year graduate entry program that:

- integrates applied medical sciences with clinical sciences, professionalism, research and cultural responsiveness.
- teaches students in an environment where learning is fully integrated with outstanding patient-centred clinical care and active health and medical research. This environment is MQ Health.
- provides students with a quality-assured international education.

PREPARING FUTURE LEADERS IN HEALTHCARE

This program aims to graduate culturally responsive, engaged, globally aware medical professionals, who understand the health systems they work within; have respect for, and sensitivity towards, the cultural needs of diverse populations, including Indigenous Australians; and are aware of the impact of their own culture and values on their medical practice.

Embedded throughout the Macquarie MD are structured international clinical experiences that give students the opportunity to experience different health systems, cultures and clinical presentations. Discover more about the Macquarie MD at mq.edu.au/study/medicine

ACCREDITATION

The Doctor of Medicine is accredited by the Australian Medical Council (AMC) and approved by the Medical Board of Australia (MBA).

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DISCLAIMER

Internships begin after graduation from the program. On satisfactory completion of an internship with an approved hospital, graduates are eligible for registration to practice in Australia and New Zealand. In Australia, internships are provided and mainly managed by state health departments. Universities do not have control over, and are not responsible for organising any internship or medical registration of students following their graduation. Current NSW Health policy is to guarantee internship positions to all Australian citizen graduates of New South Wales medical schools. Internships are currently funded for a proportion of international graduates through the Commonwealth Medical internships initiative, the details of which are reviewed annually. For information on Health Education and Training Institute (HETI) internships, visit hetti.nsw.gov.au. For details on the Commonwealth Medical internships initiative provided by the Department of Health, visit health.gov.au

The information in this document is correct at the date of publication but the University reserves the right to vary or withdraw any general information, any course(s) and/or unit(s), its fees and/or the mode or time of offering its course(s) and unit(s) without notice.

PHOTOS: All photos by Chris Stacey unless otherwise noted

MACQUARIE AT A GLANCE

 **AMONG THE TOP 12** universities in Australia
Academic Ranking of World Universities, 2016

 **5 QS STARS** in teaching, employability, research, facilities, internationalisation, innovation, inclusiveness and specialist criteria
QS World University Rankings, 2017

 **AMONG THE TOP 2 PER CENT** of universities in the world
Academic Ranking of World Universities, 2016

 **THE ONLY UNIVERSITY** in Australia with its own hospital and integrated specialty clinics on campus

 **RESEARCH ABOVE WORLD STANDARD** in genetics, clinical sciences, neurosciences, oncology and carcinogenesis
Excellence in Research for Australia (ERA) evaluation 2015

 **MORE THAN 300** companies located on campus and in the adjacent high-tech precinct

 **MORE THAN 42,000** students from more than 116 countries

 **286 COTUTELLE AND JOINT PHD CANDIDATES** from 110 universities in more than 30 countries

 **MORE THAN 178,000** alumni in 140 countries

As Australia's first fully integrated, university-led academic health sciences centre, MQ Health brings together world-class clinical care, teaching and research.

MQ Health

With a focus on patients and an ultimate goal of improving lives, MQ Health represents the convergence of the continuous learning and research endeavours of Macquarie's Faculty of Medicine and Health Sciences with the clinical care provided in the Macquarie University Hospital, primary care and multi-specialty clinics.

CLINICAL LEARNING FROM DAY ONE

MQ Health provides an opportunity for you to learn in a research-active clinical environment. You will learn from leading medical educators, researchers and clinicians who conduct their research and clinical activities on campus and have been actively involved in the curriculum development of the program.

Throughout your training, you will develop a holistic understanding of the patient and their needs. You will benefit from a unique opportunity to follow a patient from initial consultation through to treatment and discharge, and develop professional relationships with patients and their families during their healthcare journeys.

"Macquarie University Hospital is a beautiful facility with state-of-the-art technology. I am learning hands-on skills and gaining knowledge I don't think I would have attained elsewhere."

Dr Glendon Inkster
MQ HEALTH INTERN

PROFESSIONAL GROWTH OPPORTUNITIES

The journey to becoming a doctor involves many steps, and the opportunity for aspiring and current doctors to realise their potential is available here at MQ Health.

PRE-MED PROGRAM

Bachelor of Clinical Science

MEDICAL PROGRAM

Macquarie MD

POST-GRADUATION TRAINING

MQ Health Doctors in Training: Interns, Registrars, Advanced Trainees and Fellows

CONSULTANTS AND SPECIALISTS

Opportunities with MQ Health: Clinical, academic and research



Find out more about MQ Health at mqhealth.org.au

The Macquarie MD has been developed in recognition of the need for future doctors to be globally engaged clinicians, and includes extended international clinical experiences. These experiences have significant benefits – for the student, for health systems and for the health outcomes of local and global communities.

Global focus

When you study with us, you will:

- develop cultural responsiveness and resilience by immersing yourself in diverse environments
- learn how to be an effective, contributing member of a different health system
- broaden your knowledge by learning about clinical cases that may be rare in Australia
- learn in a quality-assured and supportive environment.

COMPARATIVE LEARNING

Your comparative learning experience will help you understand how healthcare is delivered through the lens of different cultures and health systems. Most of all, you'll be preparing yourself to be a doctor equipped to improve the health of our multicultural Australian community as well as the broader global community.



PROFILE

Dr Rooma Sinha

OBSTETRICS AND GYNAECOLOGY,
APOLLO HEALTH CITY HYDERABAD

Dr Rooma has worked in the United States, Australia and India, where she is now based at Apollo Hospital in Hyderabad.

"I started doing robotic surgery about five years ago, and as of today, I've done the highest number of robot-assisted myomectomy procedures in all of India. Seeing how it's changed my patients' lives, especially those women who wanted to have children post-surgery, has made it worth every minute."



Our program has been designed to enrich well-established approaches in medical education with current and emerging innovations.

Distinctively different program

Our program integrates four graduate capabilities – Scientist and Scholar, Clinical Practitioner, Engaged Global Citizen, and Professional – across the program. It aims to build within students the capacity to be ethical and reflective practitioners who are public health and systems-aware and are socially and culturally versatile; team workers who are patient-centred and safety-focused, and are effective personal and digital communicators.

INTERNATIONAL EXPERIENCE

Your extended international experiences provide comparative learning opportunities that will help you:

- apply public health thinking
- see the differences between health systems
- discuss unique presentations and diseases
- develop cultural responsiveness.

PATIENT SAFETY FOCUS

You'll focus on patient safety and quality, an approach that is embedded across the program and has been developed in collaboration with Macquarie University's research powerhouse, the Australian Institute of Health Innovation (AIHI).

DIVERSE LEARNING EXPERIENCES

You'll learn in a number of Australian and international environments, with a meaningful focus on interprofessional, comparative and digital learning in the medicine context.

SMALL STUDENT COMMUNITY

You will be part of a small student community with access to impressive facilities, mentoring and support.

Clinical placements give you the opportunity to apply your academic knowledge and enhance your practical skills. Embedded throughout the program are structured Australian and international clinical experiences that allow you to experience different health systems, cultures and clinical presentations.

Clinical training placements

APOLLO HOSPITAL – HYDERABAD, INDIA

The Apollo Hospitals Group is recognised as the pioneer of private healthcare in India, and offered the country's first corporate hospital. Apollo's site in Hyderabad provides an integrated healthcare model with 470 inpatient beds and extensive outpatient clinics, including Centres of Excellence for Heart Diseases, Cancer, Joint Diseases, Emergency, Renal Diseases, Neurosciences, Eye and Cosmetic Surgery. Apollo is committed to the achievement and maintenance of excellence in education, research and healthcare, and has long-standing experience in the delivery of medical education and post-graduation training.

MINDSPOT

The MindSpot Clinic is Australia's first free online and telephone mental health clinic and is located at Macquarie University campus. MindSpot was established in 2012 by a team of national and international experts, as part of the Australian Government's mental health reform package to improve access and expand mental health services in remote areas across Australia. Through a secure and sophisticated state-of-the-art online clinical treatment platform, MindSpot has provided services for more than 50,000 Australians.

MQ HEALTH

MQ Health is the first university-led integrated health campus in Australia. With a vision of becoming a world-class health sciences centre, MQ Health brings together clinical care, teaching and research to provide an integrated approach to holistic patient treatment, discovery and continuous learning. MQ Health's signature clinical programs and services coordinate patients' needs from initial consultation at primary care and specialist clinics, imaging and allied health through to inpatient hospital treatment if required. Clinical placements at MQ Health will take place at Macquarie University Hospital and MQ Health clinics.

NORTHERN SYDNEY LOCAL HEALTH DISTRICT

Northern Sydney Local Health District (NSLHD) provides exceptional clinical training to medical students. Clinical experiences within NSLHD provide students with the full range of clinical presentations, opportunities to interact with patients and healthcare teams in inpatient and outpatient settings, and exposure to a high-volume and varied case mix.

Students primarily undertake clinical experiences at the Royal North Shore Hospital, which is a key part of NSLHD. The 600-bed hospital is the referral hospital for northern Sydney and is also a major trauma centre, providing specialised services in the areas of severe burns, spinal cord injury, neonatal intensive care and interventional cardiology. It is one of Sydney's major teaching hospitals and provides students with a high-quality environment to support their learning in mental health, obstetrics and gynaecology, paediatrics and emergency medicine.



Learn more at
mq.edu.au/study/medicine

Program structure

Year 1

FOUNDATIONS OF MEDICAL PRACTICE

Year 1 equips you with foundational knowledge and skills that will be developed across the program.

- You'll study applied medical sciences, which integrates key science disciplines and clinical practice.
- You'll begin to develop your clinical and consultation skills using state-of-the-art simulation equipment.
- You'll co-learn with Doctor of Physiotherapy students across two units, focusing on the social aspects of health, evidence-based practice, Indigenous health and professionalism.

Year 2

INTEGRATED CLINICAL LEARNING

Year 2 introduces you to real clinical experiences within MQ Health.

- Weekly cases and scenarios provide the basis for more advanced clinical skill development and a context for the integrated learning of applied clinical, medical and social sciences.
- You'll develop key research skills and study patient safety and quality, within the context of critical care.

Year 3

CORE CLINICAL PLACEMENTS

Year 3 focuses on clinical experience and training.

- As part of your clinical training, you'll spend 24 weeks of the year engaged in clinical placements in Australia and 21 weeks on clinical placements in India.
- You'll discuss and compare your experience with peers in Australia and India through an online 'community of practice' and learn about different cultures, diseases and health systems.
- You'll work on a research project throughout the year, focusing on an aspect of health systems, patient safety and quality, clinical research or public health.
- In years 3 and 4 students will be divided into two cohorts, A and B, for their clinical placements.

Year 4

ADVANCED CLINICAL PLACEMENTS

Year 4 consolidates your learning and offers you choice and flexibility.

- You'll have the opportunity to complete a number of selective clinical placements and an emergency medicine placement.
- Selective and elective clinical placements are longer than those in Year 3, adding depth and breadth to your clinical training.
- Your final year allows you to reflect on your learning across the program and consolidate your knowledge as you prepare for internship.

Program snapshot

Year 1	FOUNDATIONS OF MEDICAL PRACTICE 18 weeks 60 students Location: Australia				Break	FOUNDATIONS OF MEDICAL PRACTICE 18 weeks 60 students Location: Australia				Break						
	UNITS		INTEGRATING THEMES			UNITS		INTEGRATING THEMES								
	Applied Medical Science 1		Human Body, Musculoskeletal, Gastrointestinal and Metabolism, Endocrine and Reproduction			Applied Medical Science 2		Cardiovascular, Respiratory, Renal and Urology, Nervous and Sensory, Cancer and Oncology								
	Clinical Practice 1					Clinical Practice 2										
Evidence-Based and Interprofessional Healthcare 1		Evidence-Based and Interprofessional Healthcare 2														
Ongoing programmatic assessment				Ongoing programmatic assessment												
Year 2	PRIMARY CARE, WELLBEING AND CANCER 12 weeks 20 students Location: Australia		MUSCULOSKELETAL, NEUROSCIENCES AND AGEING 12 weeks 20 students Location: Australia		Break	CARDIOVASCULAR, RESPIRATORY, GASTROENTEROLOGY, SURGERY AND METABOLISM 12 weeks 20 students Location: Australia		CRITICAL CARE, PATIENT SAFETY AND QUALITY, AND RESEARCH 6 weeks 60 students Location: Australia		Break						
	THEMES		THEMES			THEMES		THEMES								
	Primary Care, Mental Health and Diagnostics		Neurosciences			Cardiovascular and Respiratory		Critical Care and Anaesthetics								
	Cancer		Bone and Joint			Surgery and Gastrointestinal		Patient Safety in Practice								
Ongoing programmatic assessment				Ongoing programmatic assessment				Quality in Healthcare								
Common longitudinal program and bedside teaching				Common longitudinal program and bedside teaching				Common longitudinal program and bedside teaching								
Year 3	COHORT A	CORE CLINICAL PLACEMENTS 24 weeks 30 students Location: Australia				Break	COHORT B	CORE CLINICAL PLACEMENTS 20 weeks 30 students Location: India				Break				
		ROTATIONS		CLINICAL SETTINGS				ROTATIONS		CLINICAL SETTINGS						
	Medicine, Surgery, Primary Care		MQ Health		Medicine, Surgery, Primary Care, Paediatrics, Obstetrics and Gynaecology		Apollo India									
	Paediatrics, Obstetrics and Gynaecology		NSLHD*		Mental Health		MindSpot, NSLHD*									
CONNECTION AND COLLABORATION BETWEEN COHORTS				CONNECTION AND COLLABORATION BETWEEN COHORTS												
Year 3	COHORT B	CORE CLINICAL PLACEMENTS 20 weeks 30 students Location: India				Break	COHORT A	CORE CLINICAL PLACEMENTS 24 weeks 30 students Location: Australia				Break				
		ROTATIONS		CLINICAL SETTINGS				ROTATIONS		CLINICAL SETTINGS						
	Medicine, Surgery, Primary Care, Paediatrics, Obstetrics and Gynaecology		Apollo India		Medicine, Surgery, Primary Care		MQ Health									
					Paediatrics, Obstetrics and Gynaecology		NSLHD*									
				Mental Health		MindSpot, NSLHD*										
Ongoing programmatic assessment				Ongoing programmatic assessment				Research project								
Research project				Research project				Research project								
Year 4	COHORT A	ADVANCED CLINICAL PLACEMENTS 16 weeks 40 students Location: Various				Break	COHORT B	ADVANCED CLINICAL PLACEMENTS 16 weeks 40 students Location: Australia				Break				
		ROTATIONS		CLINICAL SETTINGS				ROTATIONS		CLINICAL SETTINGS						
	Selective		8 weeks		Apollo India		Emergency Medicine		4 weeks		8 weeks		NSLHD*			
	8 weeks		Elective		Various settings (student-initiated)		4 weeks		Selective		Selective		NSLHD*, MQ Health, MindSpot			
CONNECTION AND COLLABORATION BETWEEN COHORTS				CONNECTION AND COLLABORATION BETWEEN COHORTS												
Year 4	COHORT B	ADVANCED CLINICAL PLACEMENTS 16 weeks 20 students Location: Australia				Break	COHORT A	ADVANCED CLINICAL PLACEMENTS 16 weeks 20 students Location: Various				Break				
		ROTATIONS		CLINICAL SETTINGS				ROTATIONS		CLINICAL SETTINGS						
	Emergency Medicine		4 weeks		8 weeks		NSLHD*		Selective		8 weeks		Apollo India			
	4 weeks		Selective		Selective		NSLHD*, MQ Health, MindSpot		8 weeks		Elective		Various settings (student-initiated)			
Ongoing programmatic assessment				Ongoing programmatic assessment				Ongoing programmatic assessment				Research project				
Research project				Research project				Research project				Research project				

*Northern Sydney Local Health District

Macquarie University is committed to making the Macquarie MD accessible to students through a generous scholarship program.

Fees and scholarships

TUITION FEES

Students enrolled in the program will either pay Australian tuition fees (domestic students) or international tuition fees. Neither Australian nor international tuition fees are subsidised by the Australian Government. Domestic students may be eligible for FEE-HELP to assist with payment of their tuition fees.

The University's tuition fee for Australian and international fee-paying postgraduate students is subject to annual review.

MD SCHOLARSHIPS

To help students from diverse backgrounds to undertake the Macquarie MD, Macquarie University offers up to 10 scholarships on a competitive basis.

Indigenous student scholarships	Up to two scholarships worth \$50,000 each year
Macquarie University Bachelor of Clinical Science graduate scholarships	Up to five scholarships worth \$30,000 each year
Equity merit scholarships	Up to two scholarships worth \$30,000 each year
Medical Leader of the Future scholarship	Up to one scholarship worth \$50,000 each year



Learn more at mq.edu.au/study/medicine



The Macquarie MD is designed for students with a high level of achievement in tertiary study, who engage in a variety of experiences and activities; have the interpersonal skills desirable in a medical student and doctor; and the resilience, commitment and desire to help improve the health of Australian and global communities.

Admissions

DOCTOR OF MEDICINE KEY FACTS

Duration	4 years
Credit points required for completion	128 credit points
Compulsory international clinical learning experiences	Year 3 – 21 weeks Year 4 – up to 16 weeks
Indicative annual student intake	40 domestic students 20 international students
CRICOS Code	095798D

APPLICATION PROCESS



Domestic applicants apply via the Graduate Entry Medical School Admissions System (GEMSAS) at gemsas.edu.au

An Indigenous pathway is also available.



International applicants apply direct to Macquarie international admissions mq.edu.au/study/medicine or via an authorised representative in your country.



Full details of the admissions process and requirements are available at mq.edu.au/study/medicine

**The Macquarie MD
prepares students to
become future leaders
in healthcare, who
are patient-centred
and safety-focused,
culturally responsive,
and equipped to work
within increasingly
digital health systems.**

