MONASH University

MONASH
MEDICINE
NURSING AND
HEALTH SCIENCES

BACHELOR OF RADIATION SCIENCES

COMBINE TECHNOLOGY WITH HEALTH AND PATIENT CARE

Whether you're passionate about working directly with patients, or want to improve healthcare through data and technology, studying medical radiation science allows you to play an important role in shaping the future health landscape.

Through our Bachelor of Radiation Sciences, you'll develop scientific and technical expertise, alongside an understanding of medical radiation science, the Australian health system and fundamentals of patient care.

With opportunities to immerse yourself in the latest technology, you'll participate in 3D treatment simulations and learn how to use radiation therapy planning and medical imaging software.

In the Bachelor of Radiation Sciences you will:

- Understand the science behind medical radiation physics, image processing and radiation treatments.
- Discover different medical imaging technologies and get hands-on practice in our radiography and ultrasound labs on campus.
- Learn how to collect, organise, interpret and report health data, and explore how new data analytics and artificial intelligence can transform our healthcare system.

COURSE STRUCTURE

YEAR 1	YEAR 2	YEAR 3
Anatomy and physiology Research and evidence Medical radiation physics Medical radiation science Digital futures: IT shaping society Epidemiology Australian health care system	Pathophysiology for medical radiation science Fundamentals of cancer and its management Medical radiation science: radiographic principles and professional skills Nuclear medicine	Computed tomography and digital image processing Magnetic resonance imaging Ultrasound Radiation therapy principles and practice Radiation therapy science Data management for health informatics

Find out more about what you'll study, visit monash.edu/study/course/m2017

Course code
M20172
Only available to domestic students

Study mode
On-campus (Clayton)
Some first year units will be taught at the Caulfield campus.

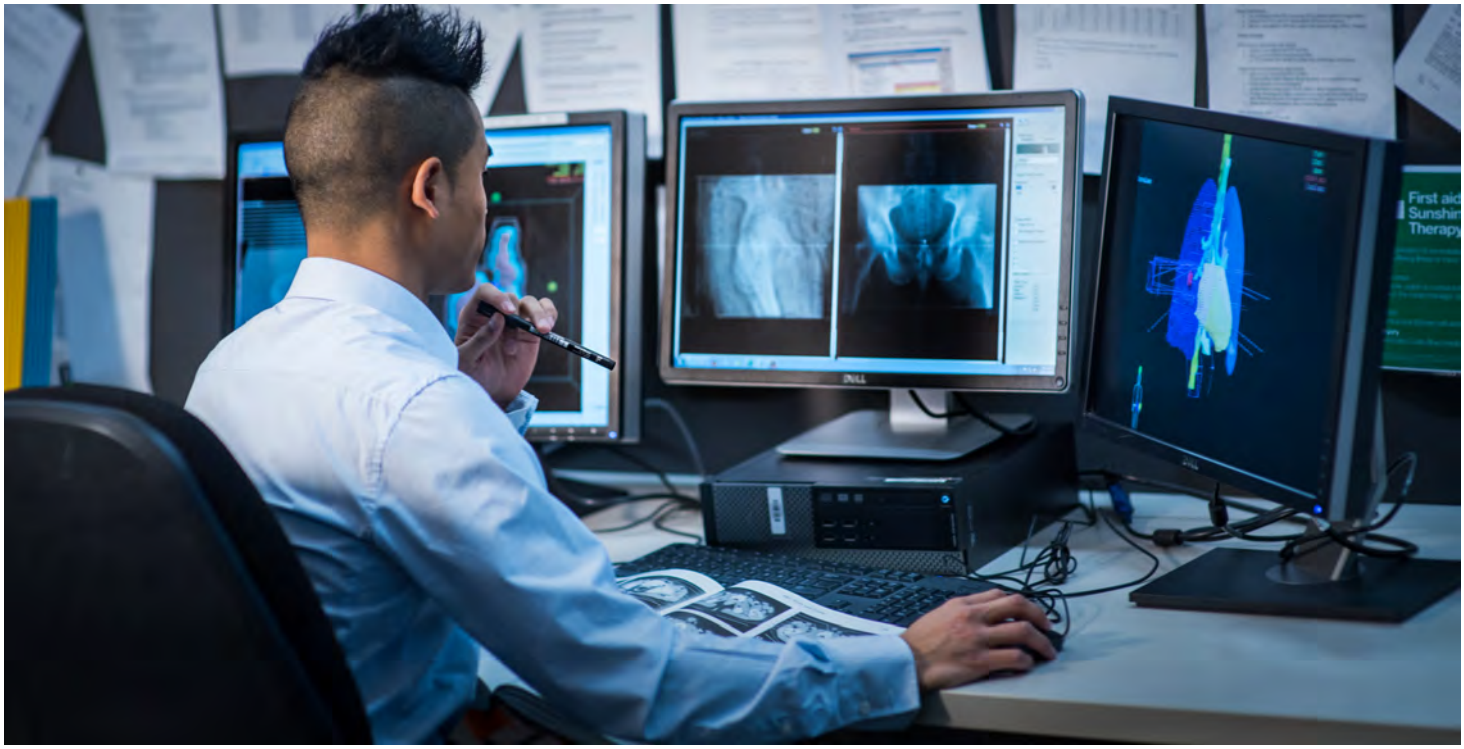
Intakes
First semester: February

Durations
Full time: 3 years

"I was always interested in healthcare so it was just a matter of deciding which specific aspect I wanted to pursue. The mix of technology and healthcare, as well as the high level of patient interaction required of a radiation therapist, is what initially caught my attention."

Sarah Farrugia
Bachelor of Radiation Sciences

GROUP OF EIGHT AUSTRALIA



WHY STUDY RADIATION SCIENCES?

Explore the science behind radiation therapy and medical imaging techniques, such as radiography, ultrasound, CT and MRI. You'll learn how cutting-edge technology is used to diagnose and treat a range of diseases.
You'll build clinical skills in cancer management, patient care and communication, preparing you for further study to become a registered radiation therapist.
You'll also have the opportunity to spend a week on clinical placement in year two.

CAREER OPPORTUNITIES

A range of rewarding career opportunities await our Bachelor of Radiation Sciences graduates. After studying radiation sciences, you can go onto graduate studies to become a qualified radiation therapist or sonographer.

Radiation therapy is a challenging and exciting health care profession that uses ionising radiation to treat patients who have cancer, as well as other conditions.

FURTHER STUDY

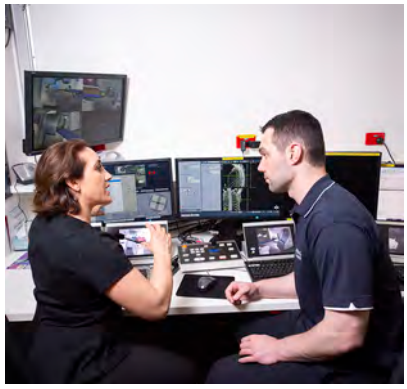
Graduate study destinations can include:

- Master of Radiation Therapy*
- Master of Medical Ultrasound**
- Master of Public Health

You may also wish to consider graduate research, starting with an Honours year, exploring a research project in an area of medical radiation science, radiation therapy or radiation oncology.

*Only available to domestic students

**Available to domestic students, limited offshore availability



"The clinical placements have been immensely helpful, not only in giving a clinical context to my learning, but also in confirming that this is the right career for me. Being involved in planning treatments and assisting the therapists in setting up patients for CT simulations have been the highlights for me so far."

Sean Finn
Bachelor of Radiation Sciences

LEARN MORE

For further information about the Bachelor of Radiation Sciences, including entry requirements, fees and clinical placement, visit **monash.edu/study/course/m2017** or contact:

FUTURE STUDENT ENQUIRIES

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