



# BACHELOR OF RADIATION SCIENCES

## COMBINE TECHNOLOGY WITH HEALTH AND PATIENT CARE

The Bachelor of Radiation Sciences is a multidisciplinary degree exploring the use of ionising and non-ionising radiation in medical imaging and treatment. It integrates physics, biology, patient care, ethics, and communication.

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.
- 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 Epidemiology Australian health care system	Fundamentals of cancer Pathophysiology Radiographic principles Medical imaging anatomy Professional skills Nuclear medicine	Computed tomography (CT) Ultrasound Magnetic resonance imaging (MRI) Radiation therapy principles Radiation therapy (Physics and radiobiology)

Find out more about what you'll study, visit [monash.edu/study/course/m2017](http://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

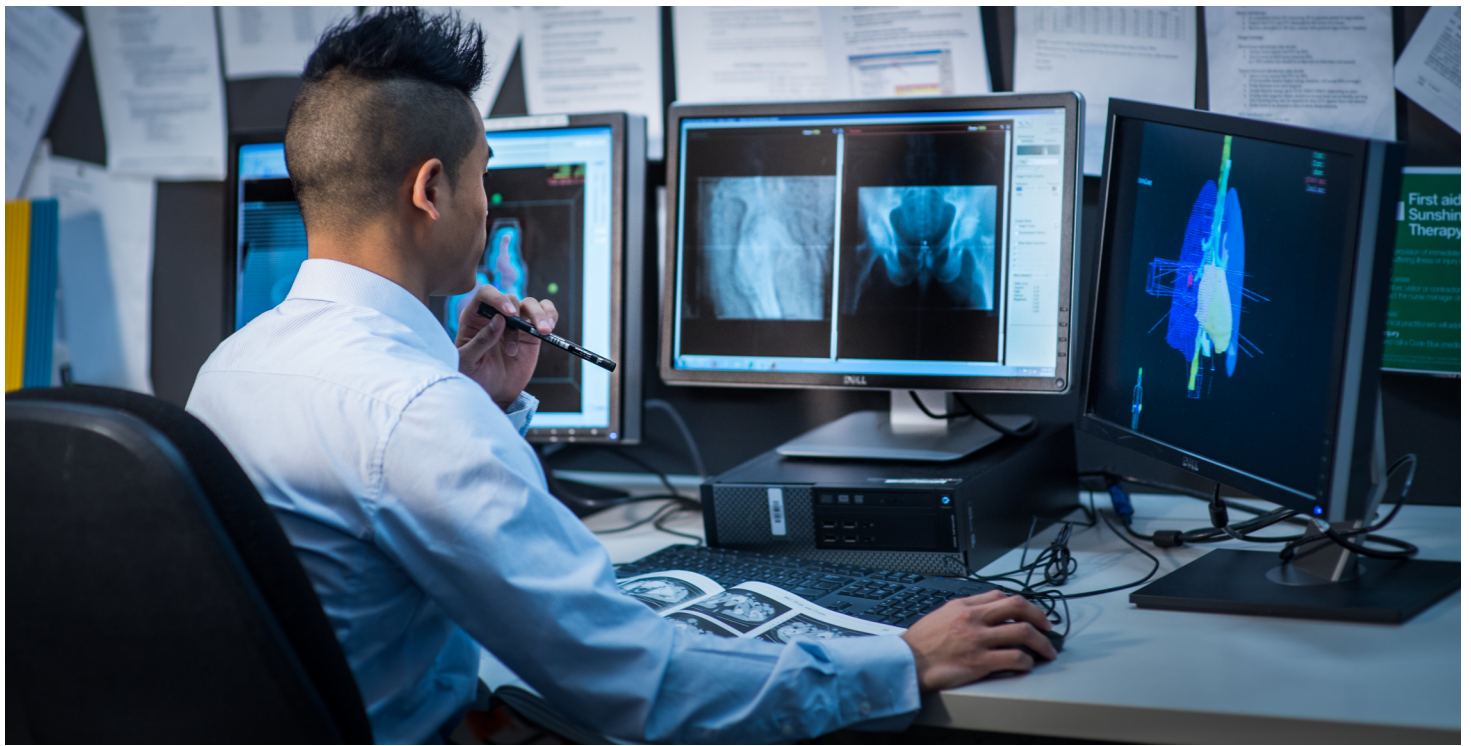
**Full time:** 3 years



*"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



## 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 in a graduate health professional course.

## CAREER OPPORTUNITIES

As a Bachelor of Radiation Sciences graduate, you can explore a range of exciting career opportunities where you'll make a difference in health. These could include careers in cancer services, research, public health and health administration. After completing the degree, you can go onto graduate studies to become a qualified radiation therapist.

## FURTHER STUDY

As a Bachelor of Radiation Sciences graduate, you can apply to a range of courses leading to health professions. Graduate study destinations can include:

- Master of Radiation Therapy\*
- Master of Public Health
- Master of Occupational Therapy
- Master of Social Work
- Doctor of Physiotherapy
- Doctor of Podiatric Medicine

\*Only available to domestic students

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.



*"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](https://monash.edu/study/course/m2017) or contact:

### FUTURE STUDENT ENQUIRIES

**T** 1800 MONASH (666 274)

**E** [future@monash.edu](mailto:future@monash.edu)

[monash.edu/medicine/spahc/radiography](https://monash.edu/medicine/spahc/radiography)

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