



# 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.
- 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 Digital futures 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) Data management

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

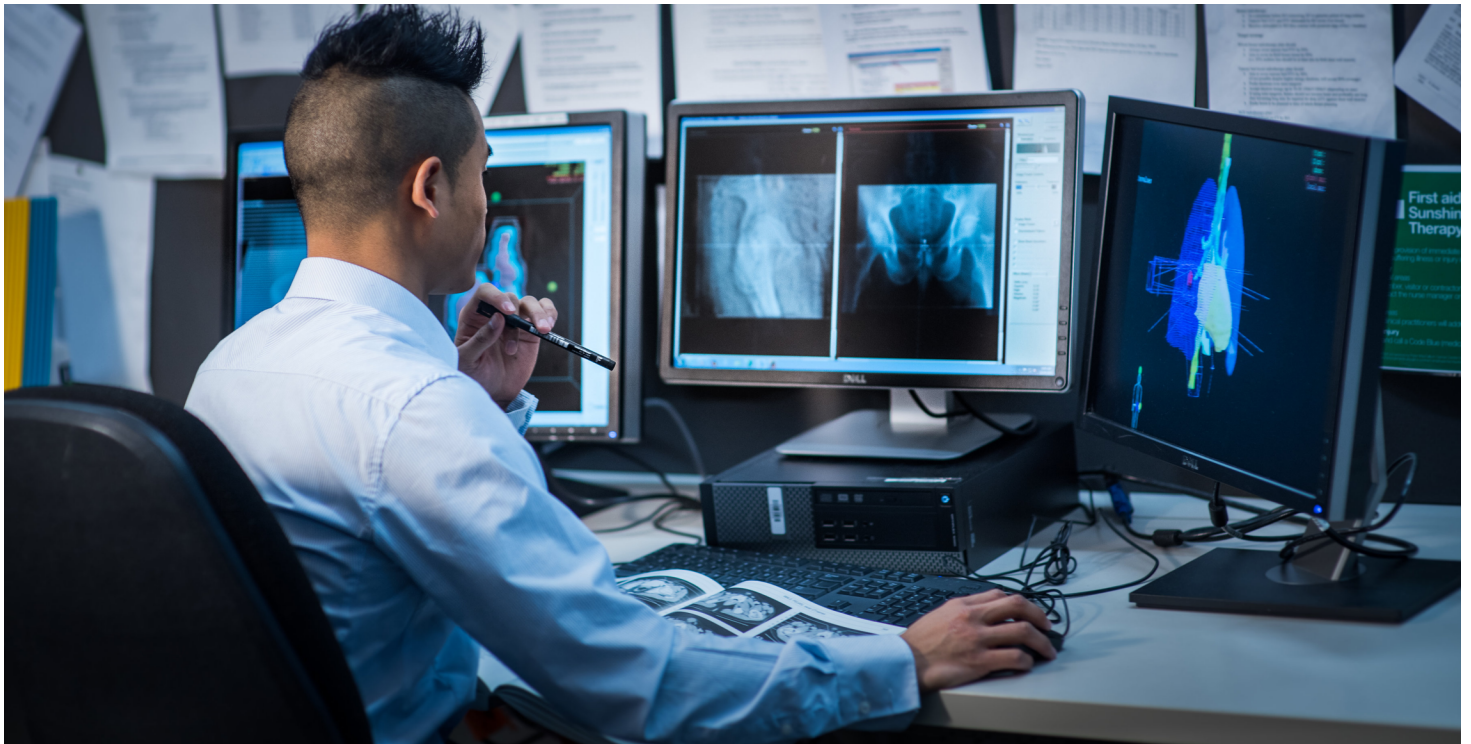
**Full time:** 3 years



*"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

With further studies, a range of rewarding career opportunities await our Bachelor of Radiation Sciences graduates.

After studying radiation sciences, you can apply to a range of courses leading to health professions including:

- Master of Radiation Therapy
- Master of Medical Ultrasound
- Master of Public Health
- Master of Occupational Therapy Practice
- Master of Social Work
- Doctor of Physiotherapy

## FURTHER STUDY

Graduate study destinations can include:

- Master of Radiation Therapy\*
- Master of Medical Ultrasound\*\*
- Master of Public Health
- Master of Occupational Therapy
- Master of Social Work
- Doctor of Physiotherapy

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

### FUTURE STUDENT ENQUIRIES

**T** 1800 MONASH (666 247)

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

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

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