



BACHELOR OF RADIOGRAPHY AND MEDICAL IMAGING (HONOURS)

Develop the skills and expertise to become a registered radiographer and play an important role in patient diagnosis and treatment.

Our radiography program prides itself on the exceptional links it creates between the classroom and the clinical workplace. You'll experience life as a radiographer from the first year of your degree, with clinical placements in a variety of settings, including rural, regional and metropolitan hospitals and private radiology practices.

With access to radiography and ultrasound training labs on campus, you'll have plenty of opportunities to practice your technical skills and learn from experienced medical imaging professionals.

WHAT IS RADIOGRAPHY?

Radiography is a vital health profession. It assists in the diagnosis and management of human illness in the body. Many people are familiar with an x-ray, you might even have had one yourself. Unlike photography, which uses light waves in its work, radiography has traditionally used that part of the electromagnetic spectrum known as x-rays to produce a radiograph.

The revolutionary application of computers in medicine and developments in the medical use of other radiations in the electromagnetic spectrum means that today radiography includes computed tomography, digital vascular imaging, ultrasound and magnetic resonance imaging.

WHAT DO RADIOGRAPHERS DO?

Radiographers are health professionals who have the knowledge and understanding required to use and manipulate radiographic equipment and complex medical imaging technology to generate a variety of images for subsequent interpretation and diagnosis.

Generally speaking, radiographers work as part of a medical imaging team. Using digital technology, they select and implement the most appropriate examination protocol that will deliver the lowest possible dose of radiation to the patient. Because of the technical nature of the medical imaging environment, patients look to radiographers for advice and assurance throughout their examination.

In order to perform their professional role, radiographers must be competent in radiographic and medical imaging science and methods, radiologic physics, radiation protection, and radiologic biology.

Radiographers use a range of modes of technology, including:

- Computed radiography (CR)
- Digital radiography (DR)
- Computed tomography (CT)
- Magnetic resonance imaging (MRI)
- Ultrasound (US)
- Digital subtraction angiography (DSA)
- Bone densitometry
- Mammography
- Orthopantomogram
- Fluoroscopy

HOW DO I BECOME A RADIOGRAPHER?

Successful completion of the four-year Bachelor of Radiography and Medical Imaging (Honours) at Monash (incorporating a 24-week professional clinical placement in year four) will enable graduates to apply to the Australian Health Practitioner Regulation Agency for registration as a radiographer.

CAREER OPPORTUNITIES

- Radiographer in general radiography, trauma, paediatrics, mobile imaging, computed tomography (CT) in public and private medical imaging departments
- Specialist practitioner in computed tomography (CT), magnetic resonance imaging (MRI), digital subtraction angiography (DSA), breast imaging and dental imaging
- Sonographer (following additional graduate study)
- Application specialist in digital imaging, x-ray and medical imaging equipment, picture archiving and communication systems.
- Research in medical imaging leading to a Master of Philosophy (MPhil) or a Doctor of Philosophy (PhD).

FURTHER STUDY

Monash University is committed to the ongoing professional development of radiographers. We offer a number of graduate degrees, where radiographers can gain specialist knowledge and skills and advance their career prospects:

- Master of Medical Ultrasound
- Master of Radiation Therapy
- Master of Advanced Health Care Practice

ENTRY REQUIREMENTS

Domestic students

Prerequisites: Units 3 and 4, a study score of at least 35 in English (ESL) or 30 in any other English, and a study score of at least 25 in Physics or Biology and in Mathematical Methods (either) or Specialist Mathematics.

Special requirements:

- Non-Year 12 and internal course transfer students will be required to submit a supplementary form.
- Undertaking a clinical site visit is highly recommended
- For all important dates, please visit: monash.edu/medicine/spahc/radiography

International students

A limited number of places are available for overseas full-fee-paying students.

For more information on entry requirements, please visit monash.edu/study

CLINICAL PLACEMENTS

Clinical placements commence in semester one of year one and continue throughout all four years of our course. Your clinical placements can be in hospitals and clinics in the metropolitan area or rural locations where travel may be required. Clinical placements last between two to eight weeks in year one to three, to extended periods in year four where more clinical experience in general radiography will be undertaken to meet the requirements for registration as a radiographer.

Before commencing clinical placements, you'll need to complete police checks, Working With Children checks and a first aid course.

Students must also comply with the Faculty of Medicine, Nursing and Health Sciences' immunisation and infection risk policies. Failure to hold satisfactory checks or meet the immunisation policy may result in students being unable to complete this course.

FURTHER INFORMATION

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