



BACHELOR OF MEDICAL RADIATION SCIENCE (WITH SPECIALISATIONS)

> What is CSU's Bachelor of Medical Radiation Science?

Charles Sturt University's (CSU's) Bachelor of Medical Radiation Science will provide you with the theoretical knowledge and professional skills to practise as a qualified medical radiation scientist. There is an increasing demand, particularly in rural and regional centres, for highly educated and adaptable medical radiation science professionals in response to the ageing population and organic growth of the industry. There has also been an evolution in the medical radiation sciences to a more integrative model where the boundaries between disciplines are becoming less defined.

CSU's Bachelor of Medical Radiation Science is designed to anticipate industry demands and is in a unique position to offer you a competitive advantage in the employment market. You can choose from specialisations in Medical Imaging, Nuclear Medicine or Radiation Therapy. An integrated Honours stream is available in each specialisation.

> Specialisations

CSU's Bachelor of Medical Radiation Science offers the following specialisations:

Medical Imaging - Medical imaging, also known as diagnostic radiography, demands academic study and clinical expertise in routine and advanced medical imaging procedures. As a radiographer, you will be concerned with producing high quality medical images of the human body for medical diagnosis using digital radiography, mammography, CT, MRI and ultrasound. You will also be responsible for the care and welfare of your patients and will seek to minimise their radiation exposure.

Nuclear Medicine - Nuclear medicine professionals administer radiopharmaceuticals to patients to image and detect physiological abnormalities and to deliver appropriate treatments. You will gain formal clinical training and education in nuclear medicine and the specialised areas of SPECT, PET, CT, MRI, ultrasound and newer hybrid systems such as SPECT/CT and PET/CT.

Radiation Therapy - Radiation therapy involves the design and delivery of radiation treatment plans for people diagnosed with cancer and other pathological conditions. High academic knowledge and clinical skills are needed to ensure quality patient treatments. You will work as part of a team to ensure the accurate and safe delivery of radiation to treat patients.

Some reasons for studying Medical Radiation Science at CSU:

There is an increased demand for radiation science professionals, particularly in rural and regional areas.

Medical imaging or nuclear medicine studies can now be undertaken at CSU's Port Macquarie Campus.

The clinical and technical aspects of the course are taught by dedicated professionals with industry experience.



Clinical placement has been the highlight of the year. We can travel nearly anywhere in Australia, from large public hospitals, to rural towns and private practices. In the beginning of my second year I was running fracture clinics and participating in theatre procedures. You meet great people, feel a part of a team and

MAKE CONNECTIONS

and great friends for years to come.

Anna Shackleton
Medical Imaging student



About CSU

CSU is a national university focusing on excellence in education for the professions, strategic and applied research, and flexible delivery of learning and teaching. We work in close association with industry, professions and government to ensure our courses meet and support industry needs, resulting in high graduate employment levels and starting salaries. We attract more than 38,000 students from Australia and around the world and are well-known for our innovative approach to education, offering practical, hands-on courses, supported online to provide our students with accessible, world class education.

visit
www.csu.edu.au



Career opportunities

Medical Imaging specialisation - Graduates work as diagnostic radiographers / medical imaging technologists either in public hospitals or private radiology practices.

Nuclear Medicine specialisation - Graduates work as nuclear medicine scientists either in public hospitals or private nuclear medicine practices.

Radiation Therapy specialisation - Graduates work as radiation therapists either in public hospitals or private radiation oncology centres.

Graduates from each specialisation can also apply to work in any state of Australia or worldwide.

Workplace learning

Clinical studies are an essential element of the course. Many clinical skills are gained and enhanced by practising in the clinical workplace through our clinical placement scheme. Over the four years of academic study, you will be required to undertake 64 weeks of clinical placement (including a fourth year residency).

The course includes a professional development year in the fourth year of the course, enabling you to apply for registration to practise after you graduate. This means you won't need to complete an additional year of professional development to become fully qualified.

The Bachelor of Medical Radiation Science involves physical work during clinical placements, which may include lifting patients and equipment, moving equipment, standing and walking for most of the working day and looking at bright monitors for long periods. If you think you may have difficulty with these requirements, please contact the Course Director or Student Equity Officer via info.csu on 1800 334 733 before enrolling.

For more information or to apply, visit:

www.csu.edu.au/courses/medical-radiation-science



1800 DEGREE (1800 334 733) (free call within Australia)
+61 2 6338 6077 (callers outside Australia)



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