

# NUCLEAR MEDICINE RADIATION THERAPY RADIOGRAPHY MEDICAL ULTRASOUND

University courses



JULY 2021

Weekly Career News CCW



# INTRODUCTION

This document has been developed to assist domestic Year 12 students and their families in researching selected Medical Radiation Science and Medical Ultrasound courses in Victoria, Canberra and parts of NSW.



## Indicative ATAR

The lowest selection rank (ATAR plus adjustment factors such as academic and equity adjustments) for the 2021 January intake. Please use indicative ATARs as a guide as they may change for future intakes.



## English prerequisite

EAL = English as an Additional Language. 'Any other English' includes English, English Language and Literature.



## Undergraduate

This is usually your first course at university. For example - bachelor's degree.



## Graduate

This is study you do once you have graduated from a bachelor's degree. For example - Graduate Diploma.

## Disclaimer

Universities featured in this guide reserve the right to change course information, admissions and entry requirements at any time and without notice.

For up-to-date information, check the university websites when assessing course information.

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Note: Monash University has requested to not be included in this brochure.



# COURSE SUMMARY

## NUCLEAR MEDICINE

University	Course	Campus	Indicative ATAR
RMIT University	Bachelor of Applied Science (Medical Radiations) (Nuclear Medicine)	Bundoora	80.50
Charles Sturt University	Bachelor of Medical Radiation Science (Nuclear Medicine and Molecular Imaging)	Wagga Wagga	65.00
		Port Macquarie	65.00
University of Newcastle	Bachelor of Medical Radiation Science (Honours) (Nuclear Medicine)	Newcastle – Callaghan	72.00

## RADIATION THERAPY

University	Course	Campus	Indicative ATAR
RMIT University	Bachelor of Applied Science (Medical Radiations) (Radiation Therapy)	Bundoora	80.30
Charles Sturt University	Bachelor of Medical Radiation Science (Radiation Therapy)	Wagga Wagga	65.00
University of Newcastle	Bachelor of Medical Radiation Science (Honours) (Radiation Therapy)	Newcastle – Callaghan	70.50

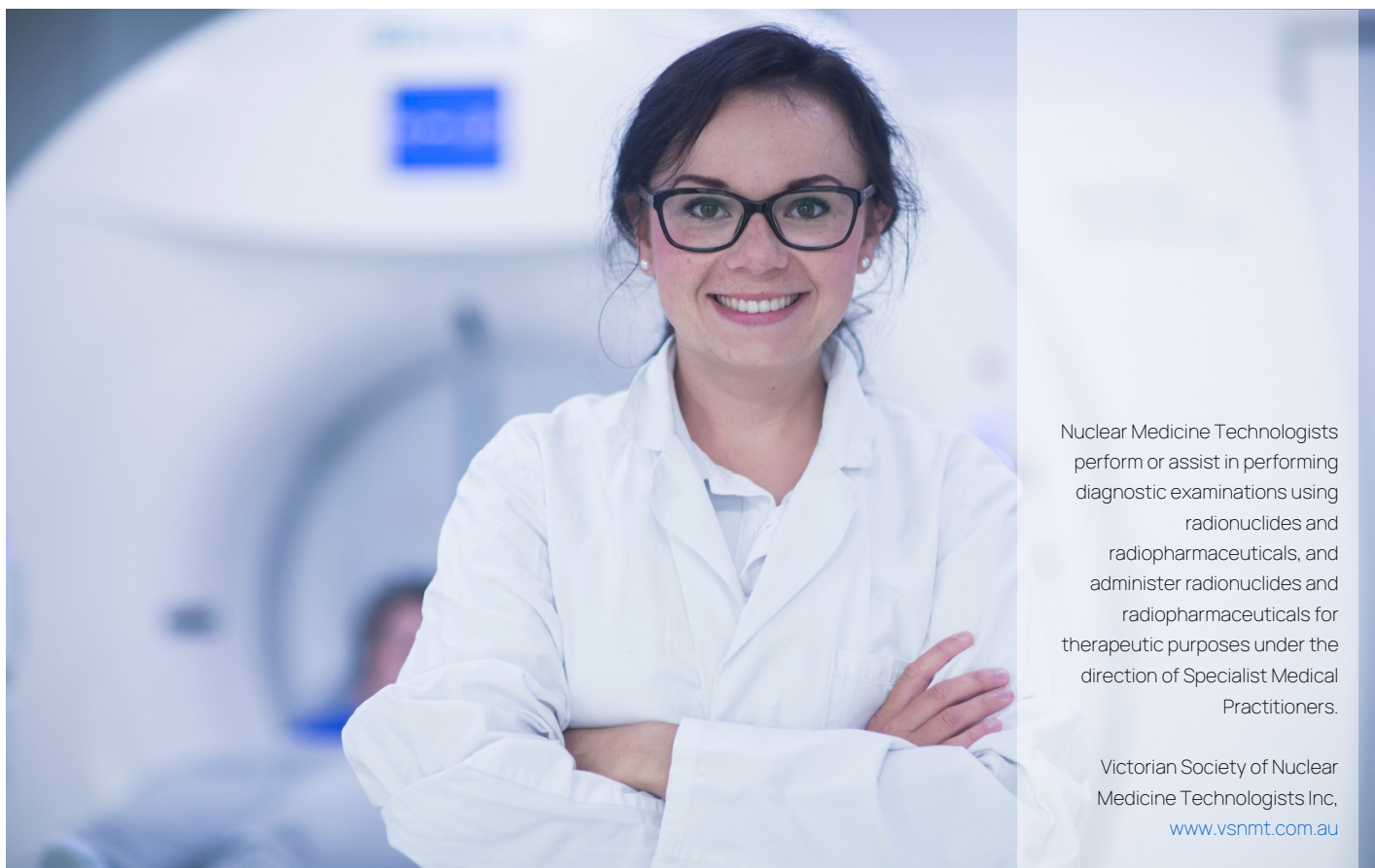
## DIAGNOSTIC RADIOGRAPHY

University	Course	Campus	Indicative ATAR
RMIT University	Bachelor of Applied Science (Medical Radiations) (Medical Imaging - Radiography)	Bundoora	94.80
Deakin University	Bachelor of Medical Imaging	Geelong Waurin Ponds	95.40
	Bachelor of Medical Imaging (Regional & Remote)	Geelong Waurin Ponds	90.90
Charles Sturt University	Bachelor of Medical Radiation Science (Diagnostic Radiography)	Wagga Wagga	65.00
		Port Macquarie	65.00
University of Newcastle	Bachelor of Medical Radiation Science (Honours) (Diagnostic Radiography)	Newcastle – Callaghan	83.10
University of Canberra	Bachelor of Medical Radiation Science (Medical Imaging)	Canberra – Bruce	82.00

## MEDICAL ULTRASOUND

University	Course	Campus	Indicative ATAR
CQ University	Bachelor of Medical Sonography / Graduate Diploma of Medical Sonography	Melbourne	84.90
University of Canberra	Graduate Diploma of Medical Ultrasound	Canberra – Bruce	Graduate entry
Charles Sturt University	Graduate Diploma of Medical Ultrasound	Online	Graduate entry

# NUCLEAR MEDICINE



Nuclear Medicine Technologists perform or assist in performing diagnostic examinations using radionuclides and radiopharmaceuticals, and administer radionuclides and radiopharmaceuticals for therapeutic purposes under the direction of Specialist Medical Practitioners.

Victorian Society of Nuclear Medicine Technologists Inc.  
[www.vsnmt.com.au](http://www.vsnmt.com.au)

## RMIT UNIVERSITY

[www.rmit.edu.au](http://www.rmit.edu.au)

### Bachelor of Applied Science (Medical Radiations) (Nuclear Medicine)

RMIT is the only Victorian university offering a multidisciplinary approach to medical radiations, with the option to study all medical radiations disciplines at degree level.

Medical radiations is a rapidly advancing healthcare discipline involving the application of ionising and non-ionising radiation for the diagnosis and treatment of injury and disease.

Nuclear medicine uses very small amounts of radioactive materials (radiopharmaceuticals) to diagnose changes in the body and treat disease.

Radiopharmaceuticals are detected using special cameras (gamma camera technology and positron emission tomography) that work with computers to provide images. During treatment, the radiopharmaceuticals go directly to the organ being treated.

Nuclear medicine technologists work closely with patients and other health professionals in the treatment of disease. They carry out tests, which may include cardiac stress tests to analyse heart function, bone scans for orthopaedic injuries and lung scans for blood clots.

### Clinical practice

Clinical practice is a major focus of this degree. You'll undertake work placement in each year of the degree, spending a total of 49 weeks over the 3.5 years.

in supervised clinical practice, making you work-ready upon graduation.

You'll gain experience in a range of clinical settings including large public teaching hospitals, small private practices, as well as metropolitan and rural centres. You'll study in facilities with the latest medical radiations and IT equipment.

### Professional accreditation

RMIT is currently seeking course accreditation with the Medical Radiation Practice Board of Australia.

### Early entry program

Schools Network Access Program (SNAP). This program is only available to selected schools, <https://bit.ly/2QULUKP>

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Applied Science (Medical Radiations) (Nuclear Medicine)	Minimum study scores of: 30 in English (EAL) or 25 in any other English; 20 in either Mathematical Methods or Specialist Mathematics; and satisfactory completion of Units 1+2 or Units 3+4 Chemistry or Biology.	Bundoora	80.50



## CHARLES STURT UNIVERSITY

[www.csu.edu.au](http://www.csu.edu.au)

### Bachelor of Medical Radiation Science (Nuclear Medicine and Molecular Imaging)

A career in nuclear medicine and molecular imaging is a fascinating intersection of radiation physics, radiopharmaceutical sciences, radiochemistry, human biology, pathophysiology, biomedical engineering, computer science, data analytics (radiomics and artificial intelligence), communication and patient care and high-tech life-saving healthcare.

Equipment used by medical radiation scientists has become increasingly sophisticated over the past decade and a detailed knowledge of equipment function, operation and computer interfacing is required.

The training undertaken in this course involves biological tracers (radiopharmaceuticals) used for the diagnosis and treatment of various diseases.

This specialisation details the administration and imaging of these radiopharmaceuticals within the patient to detect physiological abnormalities and deliver appropriate treatment.

This specialisation requires formal training and education in clinical, instrumentation and computing aspects of single photon emission computed tomography (SPECT), PET, CT, MRI, ultrasound and newer hybrid systems (SPECT/CT and PET/CT).

### Clinical experience

58 weeks of practical experience in clinical departments in country and metropolitan areas, including a fourth-year residency.

### Professional accreditation

Graduates will be eligible to register to practice in Australia with the Australian Health Practitioner Registration Agency.

### Admission programs

Includes information on early entry programs and pathway courses,  
<https://bit.ly/2UoUIAb>

### UTAS partnership

Partnership program between the University of Tasmania and Charles Sturt,  
<https://bit.ly/2AOPg3w>

Course	Assumed knowledge	Campus	Indicative ATAR
Bachelor of Medical Radiation Science (Nuclear Medicine and Molecular Imaging)	Mathematics (any) and Physics.	Wagga Wagga Port Macquarie	65.00 65.00

## UNIVERSITY OF NEWCASTLE

[www.newcastle.edu.au](http://www.newcastle.edu.au)

### Bachelor of Medical Radiation Science (Honours) (Nuclear Medicine)

Nuclear medicine students learn how to conduct nuclear medicine scans of a person's body using radioactive material called radioisotopes.

Radioisotopes are typically ingested or injected, travelling through the affected area to create images of the inside of your body. These images can diagnose life-threatening diseases such as cancer and help monitor a patient's health.

You will be taught by the best and brightest minds in their fields and get to celebrate, and possibly participate, in ground breaking research discoveries that define your practice.

You will hone your skills in our \$1.5 million on-campus radiopharmacy laboratory – the largest of its kind in the southern hemisphere.

### Clinical experience

You will complete 42 weeks of clinical placements in public and private centres, preparing you for a successful career in nuclear medicine.

### Professional Accreditation

Tick the boxes for professional registration with the Australian Health Practitioner Regulation Agency.

### Other

Special selection procedures apply for Aboriginal and Torres Strait Islander applicants. For details call (02) 4921 6863



Course	Assumed knowledge	Campus	Indicative ATAR
Bachelor of Medical Radiation Science (Honours) (Nuclear Medicine)	Advanced Mathematics or Physics	Newcastle - Callaghan	72.00

# RADIATION THERAPY



Radiation Therapy is the treatment and management of cancer by radiation. The modality plays a major role in the treatment of cancer patients by offering a cure in many cases and relief of symptoms in others.

Radiation Therapy may be used alone or with other treatment modalities like surgery and chemotherapy (drug therapy).

Australian Society of Medical Imaging and Radiation Therapy,  
[www.asmirt.org](http://www.asmirt.org)

## RMIT UNIVERSITY

[www.rmit.edu.au](http://www.rmit.edu.au)

### Bachelor of Applied Science (Medical Radiations) (Radiation Therapy)

RMIT is the only Victorian university offering a multidisciplinary approach to medical radiations, with the option to study all medical radiations disciplines at degree level.

Medical radiations is a rapidly advancing healthcare discipline involving the application of ionising and non-ionising radiation for the diagnosis and treatment of injury and disease.

Radiation therapy is one of the main treatment options for patients diagnosed with cancer.

Radiation therapists work closely with doctors to design, plan and administer radiation treatment for cancer patients.

They use highly sophisticated equipment to work out the dose required for each patient and then deliver the treatment to their patients.

### Clinical practice

Clinical practice is a major focus of this degree. You'll undertake work placement in each year of the degree, spending a total of 49 weeks over the 3.5 years.

You'll gain experience in a range of clinical settings including large public teaching hospitals, small private practices, as well as metropolitan and rural centres.

You'll study in facilities with the latest medical radiations and IT equipment.

This includes a VERT - Virtual Environment of Radiation Treatment Room. Through captivating 3D views and life-size visualisations, VERT offers radiation therapy students a unique platform in which to learn.

### Professional accreditation

RMIT is currently seeking course accreditation with the Medical Radiation Practice Board of Australia.

### Early entry program

Schools Network Access Program (SNAP). This program is only available to selected schools, <https://bit.ly/2QULUKP>

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Applied Science (Medical Radiations) (Radiation Therapy)	Minimum study scores of: 30 in English (EAL) or 25 in any other English; 20 in either Mathematical Methods or Specialist Mathematics; and satisfactory completion of Units 1+2 or Units 3+4 Chemistry or Biology.	Bundoora	80.30



## CHARLES STURT UNIVERSITY

[www.csu.edu.au](http://www.csu.edu.au)

### Bachelor of Medical Radiation Science (Radiation Therapy)

Explore a career as a radiation therapist in public hospitals or private radiation oncology practices in any state of Australia, as well as overseas.

With an emphasis on the techniques and equipment used in diagnostic radiography, nuclear medicine and radiation therapy including general radiography, screening, computed tomography (CT), magnetic resonance imaging (MRI), sonography, positron emission tomography (PET), this

degree will provide you with a rewarding and fulfilling career.

In this specialisation you'll use advanced computer software to design treatment for cancer patients. Then you'll engage advanced technologies to implement treatment plans.

Branch out and specialise in areas such as tomotherapy and IMRT. Further study and training will prepare you for a career in ultrasound or MRI.

### Clinical experience

58 weeks of practical experience in clinical departments in country and metropolitan areas, including a fourth-year residency.

### Professional accreditation

Graduates will be eligible to register to practice in Australia with the Australian Health Practitioner Registration Agency.

### Admission programs

Includes information on early entry programs and pathway courses, <https://bit.ly/2UoUIAb>

### UTAS partnership

Partnership program between the University of Tasmania and Charles Sturt, <https://bit.ly/2AOPg3w>

Course	Assumed knowledge	Campus	Indicative ATAR
Bachelor of Medical Radiation Science (Radiation Therapy)	Mathematics (any) and Physics.	Wagga Wagga	65.00

## UNIVERSITY OF NEWCASTLE

[www.newcastle.edu.au](http://www.newcastle.edu.au)

### Bachelor of Medical Radiation Science (Honours) (Radiation Therapy)

The radiation therapy degree at the University of Newcastle is Australia's leading study program in the discipline.

Our graduates are sought after worldwide, working to eradicate cancer using superb medical competence and the world's most advanced cancer treatment technology.

As a radiation therapist, you can make a real difference in the lives of cancer patients and their families.

Our 3D radiation therapy simulation lab is the first of its kind in Australia, featuring a virtual linear accelerator machine and radiation therapy planning room.

### Our graduates get jobs

94% employed within four months of graduating.

### Clinical experience

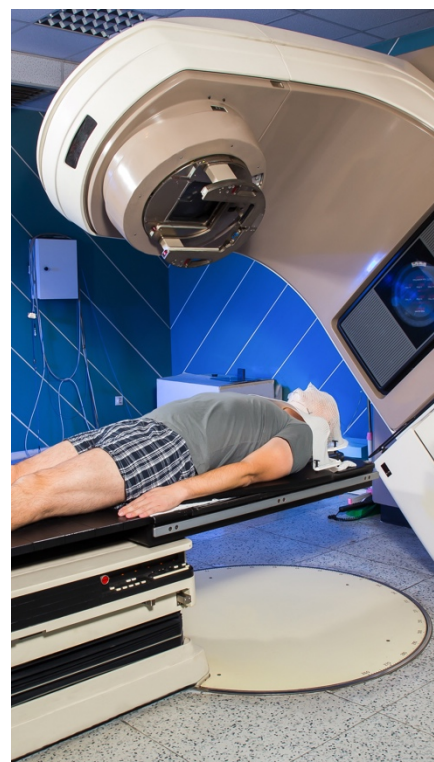
You will complete 42 weeks of clinical placements in public and private cancer care hospitals and facilities.

### Professional Accreditation

Tick the boxes for professional registration with the Australian Health Practitioner Regulation Agency.

### Other

Special selection procedures apply for Aboriginal and Torres Strait Islander applicants. For details call (02) 4921 6863



Course	Assumed knowledge	Campus	Indicative ATAR
Bachelor of Medical Radiation Science (Honours) (Radiation Therapy)	Advanced Mathematics or Physics	Newcastle - Callaghan	75.35

# DIAGNOSTIC RADIOGRAPHY



A Diagnostic Radiographer / Medical Imaging Technologist is a key member of the health care team. They are responsible for producing high quality medical images that assist medical specialists and practitioners to describe, diagnose, monitor and treat a patient's injury or illness.

Australian Society of Medical Imaging and Radiation Therapy,  
[www.asmirt.org](http://www.asmirt.org)

## RMIT UNIVERSITY

[www.rmit.edu.au](http://www.rmit.edu.au)

### Bachelor of Applied Science (Medical Radiations) (Medical Imaging - Radiography)

Medical radiations is a rapidly advancing healthcare discipline involving the application of ionising and non-ionising radiation for the diagnosis and treatment of injury and disease.

You will specialise in Medical Imaging (Radiography) and undertake both common and stream-specific subjects.

Through medical images such as x-rays, MRI and ultrasound, radiographers assist

in the diagnosis and care of patients. This course combines knowledge of physical and biomedical sciences with technical expertise and patient care.

### Clinical practice

Clinical practice is a major focus of this degree. You'll undertake work placement in each year of the degree, spending a total of 49 weeks over the 3.5 years.

This clinical practice takes place in each year of the degree. You will gain experience in a range of clinical settings including large public teaching hospitals, small private practices, as well as metropolitan and rural centres.

### Professional accreditation

RMIT is currently seeking course accreditation with the Medical Radiation Practice Board of Australia.

### Early entry program

Schools Network Access Program (SNAP). This program is only available to selected schools, <https://bit.ly/2QULUKP>

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Applied Science (Medical Radiations) (Medical Imaging - Radiography)	Completion of Units 1+2 or Units 3+4 Biology or Chemistry; and minimum study scores of: 30 in English (EAL) or 25 in any other English; and 20 in Mathematical Methods or Specialist Mathematics.	Bundoora	94.80



## DEAKIN UNIVERSITY

[www.deakin.edu.au](http://www.deakin.edu.au)

### Bachelor of Medical Imaging

Gain the knowledge and clinical expertise to launch your career as a registered diagnostic radiographer.

Using the latest equipment, you will learn basic x-ray techniques before advancing to more complex medical imaging procedures such as general radiography, digital vascular imaging, mammography, computed tomography (CT), general ultrasound (U/S) and magnetic resonance imaging (MRI).

### Clinical experience

Clinical placements will be a core part of your study and start in your first year. A clinical placement model has been designed specifically for the course in association with metropolitan, rural and regional hospitals, and medical imaging clinics throughout Australia.

You will gain valuable clinical practice in clinical centres and hospitals, as well our state-of-the-art medical imaging training unit, giving you diverse experience and skills.

### Professional accreditation

This course has been approved by the Medical Radiation Practice Board of Australia (MRPBA).

### Facilities

Take advantage of Deakin's state-of-the-art facilities. Our medical imaging practical labs replicate real-world medical imaging clinics – two of the main X-ray examination rooms even include ceiling and floor-mounted imaging systems.

The medical imaging labs are fully X-ray operational, so you will constantly be preparing yourself for your future with practical knowledge and skills

### Rural entry

Eligible students from regional backgrounds can apply for the Bachelor of Medical Imaging (Regional Remote) degree, <https://bit.ly/3cWnKzu>

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Medical Imaging	Minimum study scores of: 30 in English (EAL) or 25 in any other English; 25 in one of Biology, Chemistry or Physics; and 22 in Mathematical Methods or Specialist Mathematics or 30 in Further Mathematics.	Geelong Waurin Ponds	95.40
Bachelor of Medical Imaging (Regional & Remote)	As above. Must meet school location eligibility requirements.	Geelong Waurin Ponds	90.90

## CHARLES STURT UNIVERSITY

<https://bit.ly/2G6pKZG>

### Bachelor of Medical Radiation Science (Diagnostic Radiography)

Become a diagnostic radiographer / medical imaging technologist and produce images of the structure of the body to assist medical diagnosis, guide treatment and help with medical decision-making.

You'll use a large range of imaging technologies including general X-rays, CT, angiography and mammography in various clinical settings.

With an emphasis on the techniques and equipment used in diagnostic radiography, nuclear medicine and radiation therapy including general radiography, screening,

computed tomography (CT), magnetic resonance imaging (MRI), sonography, positron emission tomography (PET), this degree will provide you with a rewarding and fulfilling career.

### Clinical experience

58 weeks of practical experience in clinical departments in country and metropolitan areas, including a fourth-year residency.

### Professional accreditation

The extent of clinical experience in the course means graduates are not required to complete the traditional professional development year and are eligible for national registration. Graduates will be eligible to register to practice in Australia with the Australian Health Practitioner Registration Agency.

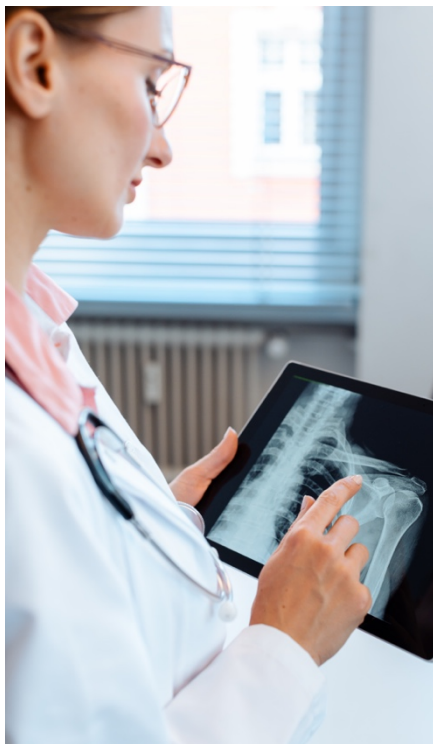
### Admission programs

Includes information on early entry programs and pathway courses, <https://bit.ly/2UoUIAb>

### UTAS partnership

Partnership program between the University of Tasmania and Charles Sturt, <https://bit.ly/2AOPg3w>

Course	Assumed knowledge	Campus	Indicative ATAR
Bachelor of Medical Radiation Science (Diagnostic Radiography)	Mathematics (any) and Physics.	Wagga Wagga Port Macquarie	65.00 65.00



## UNIVERSITY OF NEWCASTLE

[www.newcastle.edu.au](http://www.newcastle.edu.au)

### Bachelor of Medical Radiation Science (Honours) (Diagnostic Radiography)

At the University of Newcastle, we prepare diagnostic radiography students for a dynamic career using advanced imaging technology.

Learn how to create medical images to diagnose and manage patient health, combining sophisticated technology and medical expertise to save and improve lives.

Hone your skills using advanced multimodality imaging and post-processing facilities, including CT, MRI, ultrasound, angiography and mammography facilities.

Diagnostic radiography is an important first step to diagnosing, treating and managing injuries and disease. Along with pathology, diagnostic radiography is the largest diagnostic test performed.

The medical images you will learn to produce will allow patients to be diagnosed accurately, and can directly impact a patient's treatment plan and overall recovery.

### Clinical experience

Complete up to 44 weeks of clinical placements in public and private centres, preparing you for a successful career in diagnostic radiography.

### Professional Accreditation

Tick the boxes for professional registration with the Australian Health Practitioner Regulation Agency.

Course	Assumed knowledge	Campus	Indicative ATAR
Bachelor of Medical Radiation Science (Honours) (Diagnostic Radiography)	Advanced Mathematics or Physics	Newcastle - Callaghan	86.75

## UNIVERSITY OF CANBERRA

[www.canberra.edu.au](http://www.canberra.edu.au)

### Bachelor of Medical Radiation Science (Medical Imaging)

Diagnostic radiography is a growing field with a unique opportunity to mix technology and patient care in your daily professional activities.

The Bachelor of Medical Radiation Science (Medical Imaging) is an accelerated four-year degree, completed in 3.5 years.

The degree's accelerated learning program sees classes taught in the winter term and allows you to graduate midway through the year, coming onto the job market earlier than most similar university courses and giving you a definite competitive edge

competitive advantage when it comes to future employment prospects.

Packed with Work Integrated Learning (WIL) opportunities, the course can include an embedded honours program, meaning you can choose to study the bachelor's degree on its own for four years, or undertake a research project in your third and fourth year to graduate with Honours.

### Professional accreditation

Upon graduation, you'll be able to apply for membership and a Statement of Compliance with the Australian Society of Medical Imaging and Radiation Therapy (ASMI RT) and can explore career opportunities in areas such as general radiography, angiography, mammography, computed tomography (CT), magnetic resonance imaging (MRI) and medical ultrasound.

### Clinical experience

You'll undertake two five-week clinical placements during the second year of your studies, and the same in your third year, plus some longer residences too.

These will occur across a number of different local and/or national healthcare settings, including regional or rural, large teaching hospital and private practice placements.

### Early admissions program

Schools Recommendation Schemes, <https://bit.ly/34OySLt>

Course	Assumed knowledge	Campus	Indicative ATAR
Bachelor of Medical Radiation Science (Medical Imaging)	Biology, Mathematics (any), Physics. Other: may be required to participate in an interview.	Canberra	82.00



# MEDICAL ULTRASOUND



A diagnostic medical sonographer, or ultrasound technician, is a person who uses ultrasound machines to view and interpret images with sound waves for the diagnosis and treatment of medical conditions.

Australian Society of Medical Imaging and Radiation Therapy,  
[www.asmirt.org](http://www.asmirt.org)

## CQUNIVERSITY

[www.cqu.edu.au](http://www.cqu.edu.au)

### Bachelor of Medical Sonography / Graduate Diploma of Medical Sonography

Medical Sonographers take diagnostic images using ultrasonic equipment to create still, video or 3D studies of anatomy and diagnostic data.

They scan, analyse and modify images to optimize the information and require highly developed patient care and communication skills.

Enhance your employability by studying the Bachelor of Medical Sonography and

Graduate Diploma of Medical Sonography – a course that is the first of its kind in Australia and allows you to enter a niche medical profession with no prior degree in health sciences.

You'll explore abdominal ultrasound, superficial parts, obstetrics and gynaecology, vascular studies, musculoskeletal ultrasound and paediatrics

### Why choose Medical Sonography at CQUni?

Australia's only four-year combined undergraduate/postgraduate course.

Fully competent to perform all types of ultrasound (except echocardiography).

Extensive clinical experience, placed by CQUniversity

State of the art, purpose-built training environments for real-world simulation.

### Professional accreditation

Australian Sonographer Accreditation Regulatory (ASAR) accredited.

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Medical Sonography / Graduate Diploma of Medical Sonography	N/A	Melbourne	84.90

## UNIVERSITY OF CANBERRA

[www.canberra.edu.au](http://www.canberra.edu.au)

### Graduate Diploma of Medical Ultrasound

The University offers a graduate qualification in Medical Ultrasound. Applicants will need to have completed a Bachelor degree first.

Use sound waves to penetrate soft tissue and learn how to diagnose a wide range of medical and health conditions with the 2-year, part-time Graduate Diploma in Medical Ultrasound course.

As one of only two courses of its type available in NSW and ACT, this course will teach you the principles of ultrasound

technology and give you the skills to be proficient in a range of examination practices including abdominal, paediatric and musculoskeletal.

This course focuses heavily on interactive learning and offers a variety of study modes available to help prepare students (from both medical and non-medical backgrounds), for a career in a public or private hospital radiology practice, or in a community healthcare service.

### Career opportunities

There is currently a severe shortage of trained and qualified Medical Ultrasound graduates and as such students should have no problems securing long-term work options on completion of this course.

### Entry requirements

Applicants must meet the following criteria:

A completed bachelor degree in medical radiation science or a completed bachelor degree in any field and successful completion of at least two units of degree level anatomy and physiology.

This course requires the completion of 2200 hours of supervised ultrasound experience under the supervision of an Australian Sonographer Accreditation Registry (ASAR) accredited sonographer.

Course	Prerequisites	Campus	Indicative ATAR
Graduate Diploma of Medical Ultrasound	Selection criteria, <a href="https://bit.ly/2RiiYn6">https://bit.ly/2RiiYn6</a>	Canberra	Graduate entry

## CHARLES STURT UNIVERSITY

[www.csu.edu.au](http://www.csu.edu.au)

### Graduate Diploma of Medical Ultrasound

Charles Sturt University offers a graduate program in medical ultrasound. Applicants will need to have completed a Bachelor degree first.

### Why study at CSU?

#### Comprehensive program

Beginning with foundational studies in clinical sectional anatomy and the physics and instrumentation of modern ultrasound, you will progress to specialised subjects in abdominal and pelvic, musculoskeletal, obstetric, vascular, and small parts and paediatric ultrasound.

#### Reputation for excellence

CSU is a leading provider of medical imaging practitioners in Australia, preparing sonographers, radiographers and nuclear medicine technologists through the School of Dentistry and Health Sciences.

We maintain strong industry alliances to ensure you gain up-to-date knowledge and skills on which to build your career.

#### Career opportunities

Charles Sturt University's Graduate Diploma of Medical Ultrasound prepares you to practise as a sonographer in hospitals, clinics and community healthcare settings.

Your job prospects are excellent, as qualified sonographers are currently in high demand across Australia.

### Entry requirements

Applicants will:

Hold a medical radiation science, allied health, nursing or medical degree.

Provide evidence that they have access to a clinical ultrasound department under the supervision of an ASAR (Australasian Sonographers Accreditation Registry) accredited sonographer for at least 3 days per week the duration of the course.

Course	Prerequisites	Campus	Indicative ATAR
Graduate Diploma of Medical Ultrasound	Selection criteria, <a href="https://bit.ly/2IYwLMv">https://bit.ly/2IYwLMv</a>	Online	Graduate entry





**PHARMACY**  
**LABORATORY SCIENCE**  
**BIOMEDICAL SCIENCE**  
University courses

JULY 2021  
Weekly Career News CCW



# INTRODUCTION

This document has been developed to assist domestic Year 12 students and their families in researching selected Pharmacy, Medical Laboratory Science and Biomedical Science courses in Victoria, Canberra and parts of NSW.



## Indicative ATAR

The lowest selection rank (ATAR plus adjustment factors such as academic and equity adjustments) for the 2021 January intake. Please use indicative ATARs as a guide as they may change for future intakes.



## English prerequisite

EAL = English as an Additional Language.

'Any other English' includes English, English Language and Literature.



## Undergraduate

This is usually your first course at university. For example - bachelor's degree.



## Graduate

This is study you do once you have graduated from a bachelor's degree. For example - Graduate Diploma.

## Disclaimer

Universities featured in this guide reserve the right to change course information, admissions and entry requirements at any time and without notice.

For up-to-date information, check the university websites when assessing course information.

Written by Sandie McKoy, July 2021  
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Note: Monash University has requested to not be included in this brochure.





# COURSE SUMMARY

## PHARMACY

University	Course	Campus	Indicative ATAR
La Trobe University	Bachelor of Pharmacy (Honours)	Bendigo	83.75
RMIT University	Bachelor of Pharmacy (Honours)	Bundoora	78.10
University of Canberra	Bachelor of Pharmacy	Canberra – Bruce	N/A – new course

## MEDICAL LABORATORY SCIENCE

University	Course	Campus	Indicative ATAR
RMIT University	Bachelor of Biomedical Science (Laboratory Medicine)	Bundoora	75.55
Charles Sturt University	Bachelor of Medical Laboratory Science (Pathology)	Wagga Wagga	65.00
		Online	65.00

## BIOMEDICINE (VICTORIA)

University	Course	Campus	Indicative ATAR
Australian Catholic University	Bachelor of Biomedical Science	Melbourne	58.65
Deakin University	Bachelor of Biomedical Science	Melbourne Burwood	80.15
		Geelong Waurin Ponds	72.40
La Trobe University	Bachelor of Biomedical Science	Albury-Wodonga	62.05
	Bachelor of Biomedical Science (Medicine)	Bendigo	60.85
		Albury-Wodonga	80.00
	Bachelor of Biomedicine	Bendigo	80.00
RMIT University	Bachelor of Biomedicine	Melbourne Bundoora	65.00
	Bachelor of Biomedical Science	Bundoora	70.10
	Bachelor of Biomedical Science / Bachelor of Science (Biotechnology)	City / Bundoora	74.80
The University of Melbourne	Bachelor of Biomedicine	Parkville	92.00
	Bachelor of Biomedicine (Chancellor's Scholar)	Parkville	99.90
Swinburne University	Bachelor of Health Sciences (Professional)	Hawthorn	80.00
	Bachelor of Health Sciences	Hawthorn	60.00
Victoria University	Bachelor of Biomedicine	Footscray Park	90.40
	Bachelor of Biomedical Science	St Albans	Not published
		St Albans	Not applicable
	Bachelor of Biomedical and Exercise Science	Footscray Park & St Albans	72.60
Federation University	Bachelor of Biomedical Science	Ballarat – Mt Helen	60.00
		Berwick	(guaranteed
		Gippsland	ATAR)
		Off-campus	

# PHARMACY



Examples of specialist areas in pharmacy include:

Aboriginal and Torres Strait  
Islander Health Services  
Pharmacist  
General Practice Pharmacist  
Pharmacist Diabetes Educator  
Medication Management Review  
Pharmacist  
Defence Force Pharmacist  
  
Pharmaceutical Society of  
Australia, [www.psa.org.au](http://www.psa.org.au)

## LA TROBE UNIVERSITY

[www.latrobe.edu.au](http://www.latrobe.edu.au)

### Bachelor of Pharmacy (Honours)

Accredited by the Australian Pharmacy Council (APC), this degree builds your understanding of how medicines can help in treating diseases, how medicines can impact people's lives, and the importance of patient-centred and individualised care.

You'll develop the practical, technical and human skills needed to provide medicines to the public.

Based at our Bendigo Campus, you'll have access to La Trobe's on-campus training pharmacy as well as community and hospital networks.

Plus you'll benefit from embedded training in vaccination delivery, mental health first-aid and medication reviews, so you'll graduate well-positioned for a successful career.

### Clinical experience

Get hands-on experience and develop practical pharmacy skills with a range of community and hospital placement options.

Our industry network extends to essentially all hospitals throughout Victoria, including Bendigo Health, Austin Health, the Royal Melbourne Hospital, the Royal Children's Hospital, St Vincent's Hospital and the Alfred Hospital.

### Professional Accreditation

After graduation, you'll be eligible to apply to complete a one-year supervised internship and take the Australian Pharmacy Board exams to qualify as a professional pharmacist.

You can then work in a range of settings, including hospitals, community pharmacies, pharmacy professional organisations, government agencies, pharmaceutical or biotechnology companies or research facilities.

### Admission and pathway programs

Includes information on the Aspire Early Admission Program and the Regional Benefits Program, <https://bit.ly/2UPULoZ>

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Pharmacy (Honours)	Minimum study scores of: 30 in English (EAL) or 25 in any other English; 25 in Chemistry; and 25 in any Mathematics.	Bendigo	82.90

## RMIT UNIVERSITY

[www.rmit.edu.au](http://www.rmit.edu.au)

### Bachelor of Pharmacy (Honours)

This four-year program is your first step to becoming a pharmacist. It prepares you for the one-year internship program that you need to successfully complete in order to gain Australia-wide registration.

As an RMIT pharmacy student you'll benefit from a supportive academic community with diverse research strengths.

You'll be able to gain real-world experience through work placements in both hospital and community pharmacies.

You'll develop a sound scientific base in studies that include biochemistry, biostatistics, human biology, genetics, microbiology, immunology and cell biology.

In-depth knowledge of pharmacology, pharmacy practice, pharmaceuticals and therapeutics is gained along with an understanding of drug development, clinical trials, regulatory affairs and pharmacovigilance.

The program is taught by experienced professionals skilled in cutting-edge research and sessional staff with current industry experience.

### Clinical placement

Clinical placement is a key focus throughout this program. Teaching labs are equipped with the latest pharmacy facilities.

You'll begin to develop the skills of a pharmacy practitioner in the purpose-built model pharmacy, together with practical work experience in hospital, community and specialist work-integrated learning environments.

### Professional Accreditation

Once you've successfully completed the program and the internship, you can practise in any area of pharmacy in Australia, including community or hospital pharmacy.

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Pharmacy (Honours)	Minimum study scores of: 30 in English (EAL) or 25 in any other English; 25 in Chemistry; and 25 in any Mathematics.	Bundoora	78.10

## UNIVERSITY OF CANBERRA

[www.canberra.edu.au](http://www.canberra.edu.au)

### Bachelor of Pharmacy

If you're interested in a career as a medication specialist, then the UC Bachelor of Pharmacy course will equip you with the skills, knowledge, experience, and qualifications required to become an official Australian registered pharmacist.

This four-year, full-time course teaches the science behind the practical preparation of drugs and medicines to treat injuries, illnesses, and deficiencies - and explores how to apply evidence-based knowledge, research, and scientific theory to the clinical reasoning, treatment, and evaluation of patients.

This course offers graduates the opportunity to move into a variety of career options or continue with additional

academic study. It also offers an embedded Honours program for high-achieving students looking to progress into pharmacy research or academic careers.

### Additional admission requirements

All students in the Bachelor of Pharmacy course are required to complete clinical practice placement in blocks of time, often outside of teaching time.

These clinical practice placements are essential to the program. Prior to commencing clinical practice, all students need to present a complete immunisation schedule as a requirement of the ACT and NSW health departments.

All students are required to undergo an Australian Federal Police Record check prior to undertaking clinical placement in the ACT, and a NSW Police check before undertaking placement in NSW.

### Clinical experience

Placements will include a range of practice settings in public hospitals and community pharmacies in the ACT and region, around Australia, or in our own Faculty of Health student-led clinics.

### Professional Accreditation

Professional accreditation from the Australian Pharmacy Council (APC) is being sought for this course.

### Early admissions program

Schools Recommendation Scheme, <https://bit.ly/34OySLt>

Course	Assumed knowledge	Campus	Indicative ATAR
Bachelor of Pharmacy	Mathematical Methods, Chemistry, Health and Human Development, Biology, Physics.	Canberra, Bruce	N/A - new course



# MEDICAL LABORATORY SCIENCE



## RMIT UNIVERSITY

[www.rmit.edu.au](http://www.rmit.edu.au)

### Bachelor of Biomedical Science (Laboratory Medicine)

Medical laboratory scientists play a critical role in the diagnosis and treatment of disease, working as part of a team with doctors, pathologists, scientists, technicians and laboratory assistants.

The Bachelor of Biomedical Science (Laboratory Medicine) is a four-year program with a clinical placement providing you with work-ready skills and experience in diagnostic pathology.

RMIT is the only Victorian university to offer all of the following majors including haematology, transfusions and

transplantation science, anatomical pathology, medical microbiology and clinical biochemistry.

You'll have flexibility in choosing your major disciplines and will also complete a major clinical placement, providing you with work-ready skills and practical experience.

In your final year, you'll have the opportunity to study a discipline-focused laboratory medicine project to develop your research skills. Graduates are qualified as medical scientists and play a vital role in the healthcare system.

### Clinical experience

You'll undertake two semesters of supervised professional practice clinical placement across your third and fourth

years to give you work-ready skills and experience in a diagnostic pathway.

You may have the opportunity to travel overseas and undertake 10 to 13 weeks of professional practice in an approved laboratory. Destination countries include the UK, the US, Ireland, Singapore, Korea and Sweden.

### Professional accreditation

This is the only Victorian degree accredited by the Australian Institute of Medical Scientists (AIMS) and the only Australian degree accredited by the Institute of Biomedical Science (IBMS) in the UK.

You'll be eligible for membership of the New Zealand Institute of Medical Laboratory Science and the American Society for Clinical Laboratory Science.

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Biomedical Science (Laboratory Medicine)	Minimum study scores of 30 in English (EAL) or 25 in any other English; 20 in either Chemistry or Biology; and 20 in Physics or any Mathematics.	Bundoora	75.55

## CHARLES STURT UNIVERSITY

### Bachelor of Medical Laboratory Science (Pathology)

Are you a doer and a thinker who wants to have an impact? Someone who's ready to make the world a safer place, help develop cures or improve humankind's quality of life?

With the Bachelor of Medical Laboratory Science (Pathology) from Charles Sturt University you can be an essential part of the healthcare process.

In this course you'll investigate current conditions as a medical scientist or discover new possibilities through research. Work at the forefront of healthcare, and explore dynamic fields including molecular diagnostics, genetics and immunology.

### Career outcomes

#### Pursue medical science on the frontline

Work in private and public sector hospitals to help clinicians prevent, diagnose and treat a range of diseases. Choose to work in microbiology, haematology, immunology, clinical biochemistry, histology, genetics or molecular diagnostics.

#### Work wonders in the lab

Take up a role in a health laboratory, where you'll perform a range of medical tests.

Modern techniques in medical laboratory science are increasingly focused on the molecular pathology – the DNA – so you can help personalise medicine – meaning people get the treatment that suits their body, not the disease!

### Push the research boundaries

Move into a research role with further study in medical research programs or a postgraduate degree.

### Professional accreditation

When you graduate, you'll be qualified for accreditation and eligible for membership with the Australian Institute of Medical Scientists (AIMS).

Through AIMS' links to the Institute of Biomedical Sciences, UK, and the New Zealand Institute of Medical Laboratory Science, you'll be ready to take the next step and join a worldwide network of health professionals.

### Admission and pathway programs

Includes early entry programs and pathway courses. Visit <https://bit.ly/2UoUIAb>

Course	Assumed knowledge	Campus	Indicative ATAR
Bachelor of Medical Laboratory Science (Pathology)	Advanced Mathematics and Chemistry	Wagga Wagga Online	65 65





# BIOMEDICAL SCIENCE (VIC)



## AUSTRALIAN CATHOLIC UNIVERSITY

[www.acu.edu.au](http://www.acu.edu.au)

### Bachelor of Biomedical Science

The Bachelor of Biomedical Science is a professional degree in a discipline at the forefront of research into human health, disease and drug development.

Graduates demonstrate a well-developed understanding of the biomedical science sub-disciplines to enable them to undertake values driven problem solving.

Application of their knowledge, understanding and skills to local and global issues must attend to both First Peoples and Western perspectives, and these aspects are embedded within specified biomedical science units in all years.

Students undertake specified units in years 1 and 2 of the degree, year 3 of the program provides some flexibility in terms of industry-based placements and elective units.

### Clinical experience

Students will complete 185 hours of professional experience, including 80 hours of community engagement and 105 hours of industry immersion.

Students will volunteer at selected public sector or non-profit organisations supporting disadvantaged individuals and families experiencing socially-determined health issues.

### Majors and minors

Major available – Physiological Pharmacology

Minor available – Pharmacology.

### Combined degrees

Applicants can apply to combine the Bachelor of Biomedicine with one of the following degrees:

- Bachelor of Applied Public Health
- Bachelor of Business Administration
- Bachelor of Laws

### Admission programs

Includes information on the ACU Guarantee, <https://bit.ly/39y07e6>

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Biomedical Science	Minimum study scores of: 30 in English (EAL) or 25 in any other English; and 25 in any Mathematics.	Melbourne	58.50



## DEAKIN UNIVERSITY

[www.deakin.edu.au](http://www.deakin.edu.au)

### Bachelor of Biomedical Science

Expertise in biology and the science behind disease puts you in a position to make a real difference in people's lives. Explore early diagnosis, the development of products that treat disease or play a role in policy that improves public health.

Through your specialisation and work placement you will learn more about the biomedical science topics that matter to you, get more out of your qualification and enhance your employability once you graduate.

Everything you learn through this course is supported by practical and authentic experiences.

### Majors available

Students can choose a major from the following study areas:

- Environmental Health
- Infection and Immunity
- Medical Biotechnology
- Medical Genomics
- Molecular Life Sciences
- Pharmaceutical Science

### Industry experience

You will obtain crucial industry experience through 80 to 160 hours of work placement. You'll also have the opportunity to undertake a discipline-specific industry placement as part of your course.

### Career opportunities

Graduates can confidently enter a range of health-related areas including:

- medical research
- genetic engineering
- the pharmaceutical industry
- pharmaceutical/medical sales
- laboratory technology.

You can also advance to honours or postgraduate studies, either in more specialised areas of biomedical science, or in other disciplines including medicine.

### Entry pathways

Visit <https://bit.ly/39tGymV>

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Biomedical Science	Minimum study score of 25 in English (EAL) or 20 in any other English.	Melbourne Geelong Warrn Ponds	80.15 72.40

## LA TROBE UNIVERSITY

[www.latrobe.edu.au](http://www.latrobe.edu.au)

### Course options

### Bachelor of Biomedical Science

A biomedical science degree will teach you about the human body, its structure and its functions.

You will learn the practical skills needed to explore the underlying molecular basis of acute and chronic illnesses, understand how to apply biomedical research and learn how to convey scientific and biomedical science information.

### Bachelor of Biomedicine

A degree in biomedicine provides diverse career opportunities in areas including biotechnology, medical research and the pharmaceutical industry, while also providing a pathway to graduate entry allied health courses, such as physiotherapy and speech pathology, and medicine or dentistry.

Applicants can apply to combine the Bachelor of Biomedicine with one of the following degrees:

- Bachelor of Commerce
- Bachelor of Law
- Bachelor of Biomedicine/Master of Clinical Audiology (course package)

### Bachelor of Biomedical Science (Medicine)

The Bachelor of Biomedical Science (Medical) provides a pathway into the graduate entry Doctor of Medicine offered by the University of Melbourne in Shepparton for regional students intending to practice medicine in a regional location.

### Admission and pathway programs

Includes information on the following programs - the Aspire Early Admissions and the Regional Benefits Program, <https://bit.ly/2UPULoZ>

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Biomedical Science	Minimum study score of 25 in English (EAL) or 20 in any other English	Albury-Wodonga Bendigo	62.05 60.85
Bachelor of Biomedicine	Minimum study score of 25 in English (EAL) or 20 in any other English	Melbourne	65.00
Bachelor of Biomedical Science (Medicine)	Minimum study score of 30 in English (EAL) or 25 in any other English. Plus additional selection criteria.	Albury-Wodonga Bendigo	80.00 (minimum ATAR)



## RMIT UNIVERSITY

[www.rmit.edu.au](http://www.rmit.edu.au)

### Bachelor of Biomedical Science

In this flexible program, you'll develop a broad understanding of human anatomy, physiology and pathology from cellular to systems level.

Biomedical science forms the basis of our understanding of how human and animal bodies function, and the responses of the body to various diseases, exercise, diet, internal disturbances and environmental influences.

You'll be able to choose electives to suit your interests. In year two, depending on your area of specialisation, you may choose electives in microbiology or histology.

In year three, you have a choice of studying molecular biology, biochemistry, cell biology, anatomy, advanced physiology, pathology or microbiology.

### Industry experience

During third year you'll gain experience in a university research laboratory or a professional organisation.

With associated coursework, this runs for 120 hours. You'll work in research and analytical laboratories in universities, hospitals and industry.

### Combined degree

Students can apply to combine this degree with the Bachelor of Science (Biotechnology).

### Career opportunities

This degree can lead you to work in leading fields like genetic engineering, cancer research, neuroscience, DNA profile and stem cell research.

Graduates can work in:

- research in universities, hospitals and biomedical research institutes
- medical and pharmaceutical research
- public and private diagnostic centres
- therapeutic research laboratories
- applied health areas like health promotion and administration.

The program is an ideal preparation for graduate entry into health sciences programs such as medicine, physiotherapy, and dentistry.

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Biomedical Science	Minimum study scores of 30 in English (EAL) or 25 in any other English; 20 in Chemistry; and 20 in Physics or any Mathematics.	Bundoora	70.10
Bachelor of Biomedical Science / Bachelor of Science (Biotechnology)	Minimum study scores of 30 in English (EAL) or 25 in any other English; 20 in Chemistry; and 20 in Mathematical Methods or Specialist Mathematics.	City / Bundoora	74.80

## THE UNIVERSITY OF MELBOURNE

[www.unimelb.edu.au](http://www.unimelb.edu.au)

### Bachelor of Biomedicine

Are you interested in discovering the next generation of treatments to help improve the health of your community?

Does the science behind what creates, sustains and threatens people's lives intrigue you? Can you see yourself studying and working in the largest biomedical precinct in the southern hemisphere?

Whether you want to pursue a career in medicine, professional health, biomedical research or another pursuit – a Bachelor of Biomedicine can take you there.

### Biomedicine precinct

The biomedicine precinct is the largest in the southern hemisphere. More than 40 hospitals, research, teaching and biotechnology organisations surround the School of Biomedical Sciences – making it a highly sought-after base for global biomedical leaders.

### Other

The School of Biomedical Sciences is home to the largest room scale Virtual Reality teaching space in Australia – the Virtual Reality Learning Studio.

You can complete some of your study abroad through the Exchange or Study Abroad programs and spend a full semester at a partner university or choose a single subject as an intensive.

### Majors

Students can apply to major in one of the following study areas:

- Biochemistry and Molecular Biology
- Bioengineering Systems
- Biotechnology
- Cell and Developmental Biology
- Genetics
- Human Nutrition
- Human Structure and Function
- Immunology
- Infection and Immunity
- Microbiology
- Neuroscience
- Pathology
- Pharmacology
- Physiology
- Psychology

Course	Prerequisites	Campus	Minimum ATAR
Bachelor of Biomedicine	Minimum study scores of: 30 in English (EAL) or 25 in any other English; 25 in Chemistry; and 25 in Mathematical Methods or Specialist Mathematics.	Parkville	92.00
Bachelor of Biomedicine (Chancellor's Scholar)	As above	Parkville	99.90

## SWINBURNE UNIVERSITY

[www.swinburne.edu.au](http://www.swinburne.edu.au)

### Course option 1

#### Bachelor of Health Sciences

Students can choose to major in Biomedical Science.

In the Biomedical Science major, students will explore biology, medicine, disease, chemistry and physiology to form a comprehensive understanding of the health of humans. You will learn skills to investigate and understand human biology and gain the ability to critically analyse and interpret biomedical and scientific data.

Biomedical students have access to laboratories and testing facilities equipped with the latest technology. Swinburne is the only university in Australia with MRI and MEG labs on campus.

### Co-majors

Students have the option of studying a second major or a co-major from a range of options such as: Biotechnology, Clinical Technologies, Data Analytics, Health Promotion, Neuroscience, Nutrition, Psychology or complete work integrated learning.

### Combined degree options

Students can apply to combine the Bachelor of Health Science with a Bachelor of Arts, Science, Business or Media and Communication.

### Industry experience

Our students have completed professional experiences at Peter MacCallum Cancer Centre, Royal Children's Hospital, Royal Melbourne Hospital, St Vincent's and GlaxoSmithKline.

### Course option 2

#### Bachelor of Health Sciences (Professional)

Students can choose to major in Biomedical Science.

The Bachelor of Health Science (Professional) includes a mandatory 12-month paid professional work placement. You'll benefit from Swinburne's unique industry partnerships, gain invaluable full-time work experience and earn credit towards your degree.

### Early entry

For information on the Swinburne Early Entry program, visit <http://bit.ly/2WiPub5>

Course	Prerequisites	Campus	Guaranteed ATAR
Bachelor of Health Science	Minimum study score of 30 in English (EAL) or 25 in any other English	Hawthorn	60
Bachelor of Health Science (Professional)	Minimum study score of 30 in English (EAL) or 25 in any other English	Hawthorn	80



## VICTORIA UNIVERSITY

[www.vu.edu.au](http://www.vu.edu.au)

### Course option 1

#### Bachelor of Biomedicine

This course prepares you for entry into postgraduate medicine and other postgraduate courses such as physiotherapy, pharmacy and dietetics.

#### Minors

The following minors are offered in the Bachelor of Biomedicine: Health and Nutrition, Integrative Physiology, Immunopharmacology, and The Entrepreneurial Mindset.

You'll undertake a research project that can provide a platform to begin a research degree.

### Course option 2

#### Bachelor of Biomedical Science

The Bachelor of Biomedical Science degree provides you with an in-depth knowledge of how the human body functions, focusing on physiology, anatomy and cell biology, preparing you for an exciting future in the health sector.

#### Majors

The following majors are offered in the Bachelor of Biomedical Science: Human Physiology and Molecular Cell Biology.

### Course option 3

#### Bachelor of Biomedical and Exercise Science

Victoria University's Bachelor of Science in Biomedical and Exercise Science is a dual disciplinary degree.

It integrates biomedical science and exercise science into a compelling new area of study in the environments of physical activity, sport, and health research

Victoria University is equipped with new medical research facilities at Sunshine Hospital, and exercise and sport science facilities at our Footscray Park campus.

Course	Prerequisites	Campus	Indicative ATAR
Bachelor of Biomedicine	Minimum study scores of: 30 in English (EAL) or 25 in any other English; and 25 in two of the following – Biology, Chemistry, Physics or any Mathematics.	Footscray Park St Albans	90.40 Not published
Bachelor of Biomedical Science	Minimum study scores of: 25 in English (EAL) or 20 in any other English; and 20 in one of the following – Biology, Chemistry, Health & Human Development, Physical Education or any Mathematics.	St Albans	ATAR wasn't required for 2021 entry.
Bachelor of Biomedical and Exercise Science	Minimum study scores of: 25 in English (EAL) or 20 in any other English; and 20 in two of the following – Biology, Chemistry, Health & Human Development, Physical Education or any Mathematics.	Footscray Park / St Albans	72.60

## FEDERATION UNIVERSITY

<https://federation.edu.au/>

#### Bachelor of Biomedical Science

Biomedicine is an exciting area that plays a major role in helping people lead healthier lives. It's an industry that is constantly evolving.

You'll learn about anatomy, pathophysiology, genetic sciences and can go on to work in areas like genome biology, genetic mapping, stem cell research and biological pharmaceuticals. Studies range from lifespan nutrition, to food microbiology, metabolism to applied biochemistry.

#### Industry experience

Domestic students may apply for the Industry Placement Program which offers up to 26 weeks of industry-based experience. IPP students receive a scholarship payment of up to \$15,000.

#### Careers

When you graduate, you'll be prepared for a career in biomedical research or one of many positions in a range of health-related industries such as laboratory technology, medical sales, research and pharmaceuticals.

This degree has been used as a pathway to postgraduate studies in medicine,

physiotherapy, dentistry, pharmacy and other allied health programs, as well as veterinary science.

#### High Achievers Scholarship

Earn an ATAR of 80+ and you will be eligible for a FedUni High Achievers Scholarship, <https://bit.ly/2CtBONy>

#### Guaranteed entry

Applicants who achieve an ATAR of 60+ and meet entry requirements will be guaranteed a place in this course.

Course	Prerequisites	Campus	Guaranteed ATAR
Bachelor of Biomedical Science	Minimum study scores of 20 in any English and 20 in any mathematics or any science.	Ballarat – Mt Helen Berwick Gippsland Off-campus	60.00