

Medical Science



JAMES COOK
UNIVERSITY
AUSTRALIA

Ready today for tomorrow

jcu.edu.au



Why JCU?

A STUDENT EXPERIENCE LIKE NO OTHER

- Access to world-class teachers
- Develop skills in state-of-the-art facilities
- Expand your research and career opportunities
 - Benefit from small class sizes
- Connect with professional networks

PRACTICE WITH INTEGRITY

Benefiting from strong industry partnerships, JCU students work with world-class researchers and health professionals on local and global challenges.

CONTEMPORARY KNOWLEDGE

Contribute to JCU's excellence in applied research. Work side by side world-leading researchers in the state-of-the-art facility, JCU Australian Institute of Tropical Health Medicine.

BE ADAPTABLE

Understand how to serve urban, rural, remote, and regional communities. JCU Medical Science graduates are flexible and adaptable, working worldwide to enact positive change.

READY TODAY, FOR TOMORROW

Advance your career in health sciences. Study with the university independently ranked #1 in Australia for overall educational experience*.

*2024 Good Universities Guide, PG Medicine



Medical Science

- ✔ Apply and adapt advanced knowledge in biomedical, medical laboratory and clinical measurement science.
- ✔ Learn how to improve human and animal health in rural, remote, and indigenous community settings.
- ✔ Study a specialised major and learn from industry professionals in JCU's cutting-edge custom laboratories. Network and form professional relationships with potential future employers.
- ✔ Cultivate your commitment to lifelong learning with this dynamic and exciting program. JCU Medical Science graduates are highly sought-after, both nationally and internationally.

COURSE DETAILS:

Locations:	Townsville
Start Dates:	February, July
Duration:	2 years full-time (Masters) Part-time available
Prerequisites:	AQF level 7 Biomedical Science or Medical Laboratory Science degree; or equivalent

Please visit the [handbook](#) for a detailed outline of the course structure. Note: Information is for domestic students only

Majors

In the Master of Medical Science, you can choose from three majors.

Clinical Sciences

Explore fundamental issues of respiratory, sleep and neurological measurement, analysis, and interpretation. Undertake a total of 40 weeks of clinical rotation in professional medical or clinical science laboratories. Autonomously collect and interpret data and present professional scientific and clinical cases to your supervisors.

Future Leaders in Tropical Research

Diagnose major parasite groups, develop immunology experiments, and design research proposals in this flexible major. Choose between a specialisation in Biochemistry, Microbiology and Immunology, or Physiology and Pharmacology, plus electives based on your professional interests.

Medical Laboratory Science

Study either the professional placement stream or the clinical placement stream.

In the professional placement stream, choose from four specialised streams - Haematology, Clinical Biochemistry, Anatomy Histology, or Microbiology and Immunology, plus choose from a list of electives to suit your professional interests. Apply your theoretical knowledge by completing up to 40 weeks of professional placements.

In the clinical placement stream, study a set of advanced subjects in haematology, immunohaematology, biochemistry, and histology and cytology. Apply your theoretical knowledge by completing a total of 16 weeks of clinical placements.

Progress your studies

Pursue your passion to a higher level through nested qualifications. You can enter directly into a Master of Medical Science or use the Graduate Diploma of Medical Science as a stepping stone towards your Masters.

Graduate Diploma of Medical Science

(24 CREDIT POINTS)

Master of Medical Science

(48 CREDIT POINTS)

“When I wanted to study in tropical health research, James Cook University was my first choice. Meeting and learning from JCU lecturers who write the journal articles that you read has been an exceptional experience. I made the best decision of my life. I have an interest in malaria and the plasmodium parasite. Since finishing my Master of Medical Science at JCU, I have gone on to further postgraduate studies, also at JCU.”

Boni Sebangyang

MASTER OF MEDICAL SCIENCE GRADUATE AND PHD CANDIDATE



“A Master of Medical Science at JCU allows students to not only deepen their understanding about how to treat patients, but to also gain skills to investigate disease and help bring about treatments of the future. My own research program has at its basis my background in Medical Laboratory Science. This allows me to help solve clinical problems encountered at the coalface in hospitals. Working with a diverse team of clinicians and scientists, I can help improve the diagnosis of acute kidney injury or better understand the gut microbiome for neonates at the Neonatal Intensive Care Unit at the Townsville Hospital. This real-world research is immediately translatable and has the potential to change practice and impact communities. If you want to make a difference in somebody’s life, you will have many and varied opportunities with the Master of Medical Science.”

Dr Donna Rudd

ASSOCIATE PROFESSOR, MEDICAL SCIENCE

Career Opportunities

JCU Medical Science graduates are equipped with specialist skills and are employed in a variety of medical and research settings.

You could work as a clinical or medical scientist, cardiac scientist, respiratory scientist, sleep scientist, or neuroscientist. You could also work in areas of pathology, clinical microbiology, haematology, transfusion science, clinical biochemistry, histopathology, immunology, serology or laboratory management. You could deepen your professional interests with a move into medical research.

Graduates from the Medical Laboratory Science major are eligible to apply for membership with the [**Australian Institute of Medical Scientists \(AIMS\)**](#).

Graduates from the Clinical Sciences major qualify to work as clinical scientists in cardiac, respiratory, sleep or neurophysiology laboratories in hospitals or private practices.





Postgraduate coursework applications

Apply directly to JCU, either by a form you download, complete and return, or by using the [Online Application Portal](#).

Your application must reach us before the deadline for your course.

ENTRY REQUIREMENTS

Postgraduate courses will usually require completion of an appropriate undergraduate degree for entry. You'll need to include certified copies of qualifications and academic records with your application. For some programs, appropriate work experience or equivalent qualifications will be considered.

FURTHER INFORMATION

To find out more, call 1800 246 446 or contact the [Student Enquiry Centre](#).

Contact us

JCU Townsville: 07 4781 5255

JCU Cairns: 07 4232 1000

Freecall (within Australia): 1800 246 446

Email: enquiries@jcu.edu.au



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