

Bachelor of Biomedical Sciences



Ready today for tomorrow

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Why JCU?

A STUDENT EXPERIENCE LIKE NO OTHER

- Access to world-class teachers
- Develop skills in state-of-the-art facilities
- Achieve exceptional employment outcomes
 - Benefit from small class sizes
 - Connect with professional networks
- Support through scholarships for merit and equity
 - Discover great accommodation options

PRACTICE WITH INTEGRITY

Graduate with extensive practical knowledge. Benefiting from strong industry partnerships, JCU students work with world-class researchers and health professionals on significant local and global challenges. JCU is ranked #2 in Australia for learner engagement and student support.*

CONTEMPORARY KNOWLEDGE

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

READY TODAY, FOR TOMORROW

Be prepared to step into a variety of careers in health sciences. JCU is independently rated five stars for learner engagement and resources, and #1 in Australia for full-time employment outcomes.*

*2024 Good Universities Guide, UG Health Services and Support



Bachelor of Biomedical Sciences

- ✔ Gain a thorough grounding in health and healthcare in Australia, with an emphasis on biomedicine in the tropics. Use your degree as a pathway to other health professions or higher research.
- ✔ Study human biology, from molecular to whole-body systems, and understand how the body responds to disease. Choose from one of six specialised majors and learn research techniques and skills from world-class biomedical professionals.
- ✔ Be equipped with practical work skills in state-of-the-art laboratories, hospitals, and medical centres, both on and off campus. JCU Biomedical Sciences graduates have the knowledge, skills and competitive edge needed to succeed in their chosen fields.

COURSE DETAILS:

Locations:	Townsville
Start Dates:	January
Duration:	3 years full-time. Part-time available
ATAR:	65
Prerequisites:	English (Units 3/4,C)
Recommended:	Mathematical Methods (Units 3/4,C), Chemistry (3/4,C), plus one of Biology, Health, Physical Education or Physics

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

Majors

Choose from six different majors, each designed to provide you with the knowledge and skills required to specialise in key biomedical fields. All majors are offered on-campus at JCU Townsville.

Bioinformatics

Hone the skills to collect, understand and apply biological and medical data. Understand how data is managed in the medical and healthcare fields and contribute innovative solutions to complex problems. Build expertise in this rapidly expanding field that has clinical, research, and governmental applications.

Health

Be equipped for a future in the medical, dental or allied health industries. Develop an advanced understanding of anatomy, physiology and pathophysiology. Use this major as your starting point to build the foundational knowledge required to excel in the health service industries.

Medical Laboratory Science

Be at the forefront of healthcare research and diagnostics and develop extensive theoretical and medical knowledge across several fields of medical science. You will gain hands-on clinical and laboratory skills with placement opportunities and training in world-class diagnostic medical laboratories and research centres.

Microbiology and Immunology

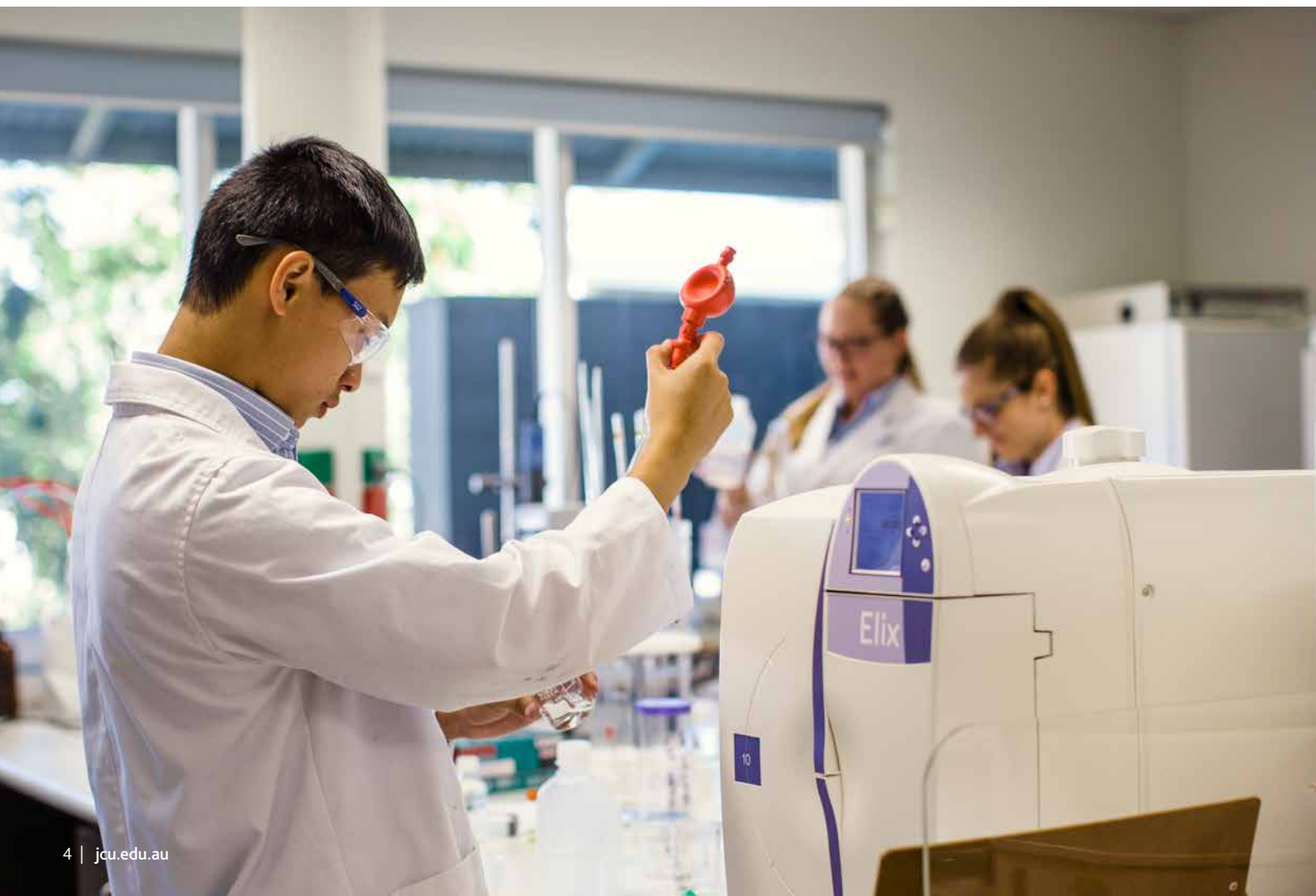
Gain the skills and knowledge in the theories of epidemiology, molecular genetics, microbiology and advanced immunobiology. Extend your knowledge by understanding and analysing the theories of infectious diseases and tropical microbes.

Molecular and Cell Biology

Study biology at the molecular and cellular level as you explore the origins of specific diseases and disorders. Develop knowledge and skills in the fields of cell biology, genetics, immunology and bioengineering.

Physiology and Pharmacology

Gain the knowledge and skills to understand and apply pathophysiology and therapeutics theory. Understand how pharmacological treatments can influence the human body's signals, responses and regulation, equipping you to excel in numerous pharmacology roles.



“JCU is great. I love all the staff. The lecturers are on your side, so they want you to excel and they want you to do well. They are very helpful and very friendly. The facilities are amazing. You get hands-on experience. We started doing work in the lab from first year.”

Mitchell Hearn

BACHELOR OF BIOMEDICAL SCIENCES

“What I love about the Bachelor of Biomedical Sciences is that students get hands-on experience in state-of-the-art laboratories from their very first year of study. Our students learn practical, broadly applicable skills, allowing them to transition into a variety of exciting research and health professions, or continue their studies as higher degree research students. I did not have any of these practical skills when I graduated from university and it is exciting to be giving the students tools to prepare them for their next chapter, whatever that might be.”

Hilary Vanderven

LECTURER, IMMUNOLOGY/INFECTIOUS DISEASE



Career Opportunities

JCU Biomedical Sciences graduates are widely-skilled scientists who have the flexibility to be employed in a variety of industries.

Graduates pursue careers in various areas including laboratory support, public health, health promotion, media, education, law, or research.

You could find employment as a research assistant, laboratory technician, scientific journalist, teacher, or patent lawyer. You could also choose to further your studies with the Bachelor of Biomedical Sciences (Honours).

Biomedical Sciences graduates may use their skills as a grounding to pursue further studies in veterinary science or other medicine and health sciences degrees.

Graduates majoring in microbiology and immunology can apply for membership of the Australian Society of Microbiology.





JCU Accommodation

Study and live in some of the most interesting places in the world. Townsville is on the doorstep of the Great Barrier Reef, magnificent rainforests, the savanna region and Outback Australia.

Living on-campus is a great way to make the most of your time at JCU. JCU Townsville, Bebegu Yumba campus, Douglas, has five different accommodation options housing over 1,300 students. Living on-campus is a great place to make new friends and immerse yourself in the JCU culture. All rooms at our on-campus residences are single board, with a single bed, study desk, chair, fan, air-conditioning and Wi-Fi. Each residence is different in regards to style of living, culture and atmosphere. There are options for fully catered or self-catered housing. Find out more at jcu.edu.au/accommodation



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