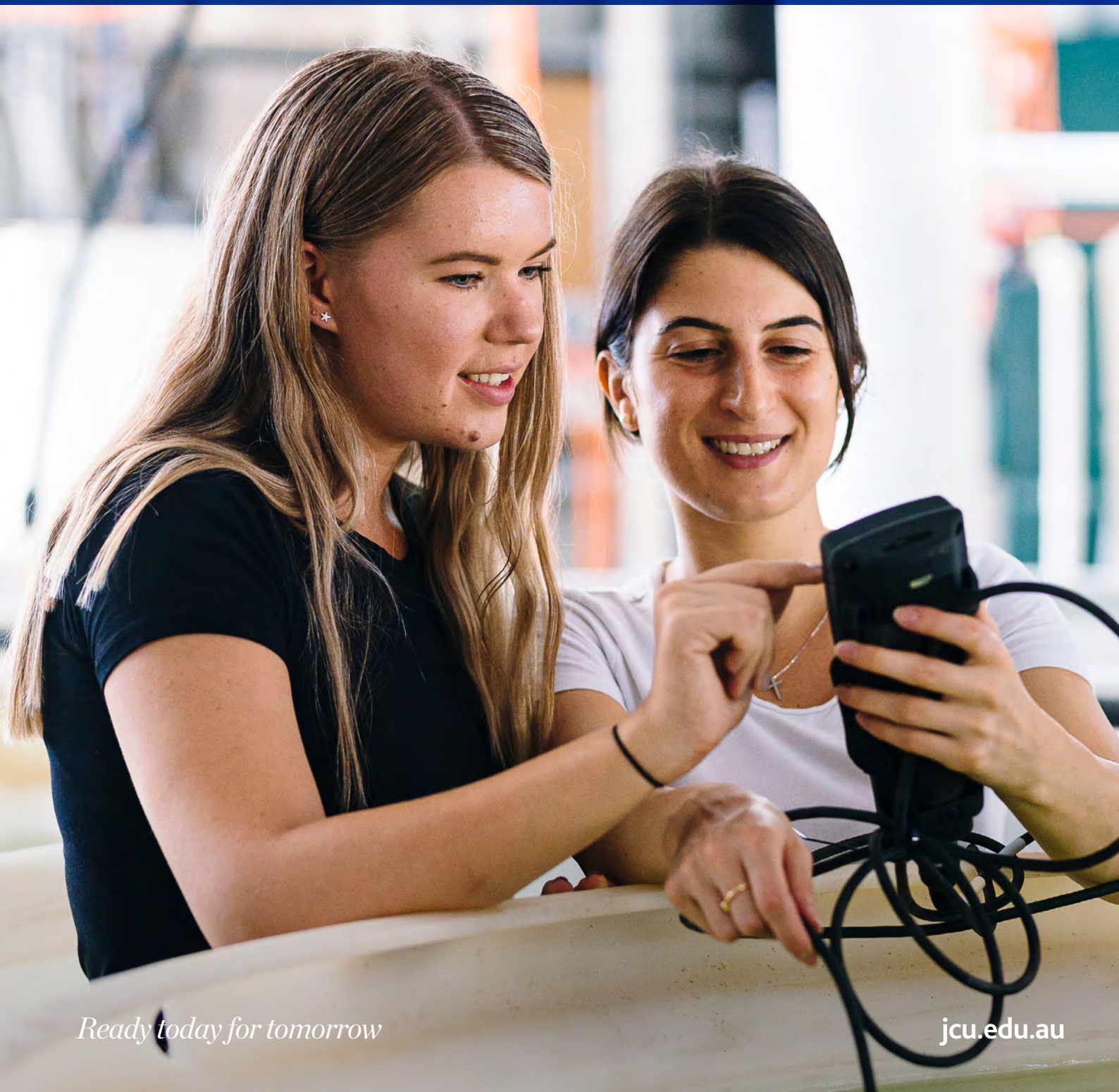
Bachelor of Science - Bachelor of Laws

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
- Achieve exceptional employment outcomes
- Benefit from small class sizes
- Connect with professional networks
- Support through scholarships for merit and equity
- Discover great accommodation options

OUTSTANDING RATINGS

Study with the best. JCU is independently rated best in the world for Marine and Freshwater Biology and second best in the world for Biodiversity Conservation.* JCU Science has been awarded five stars for learner engagement^, and is rated #1 in Queensland for full-time employment outcomes.^

EXPERIENCE HAS NO SUBSTITUTE

JCU Law students can work alongside experienced lawyers and judges through the clinical legal education program, work placement and projects with industry. JCU Law's international programs allow students to build cross-cultural skills working with NGOs in South East Asia and beyond.

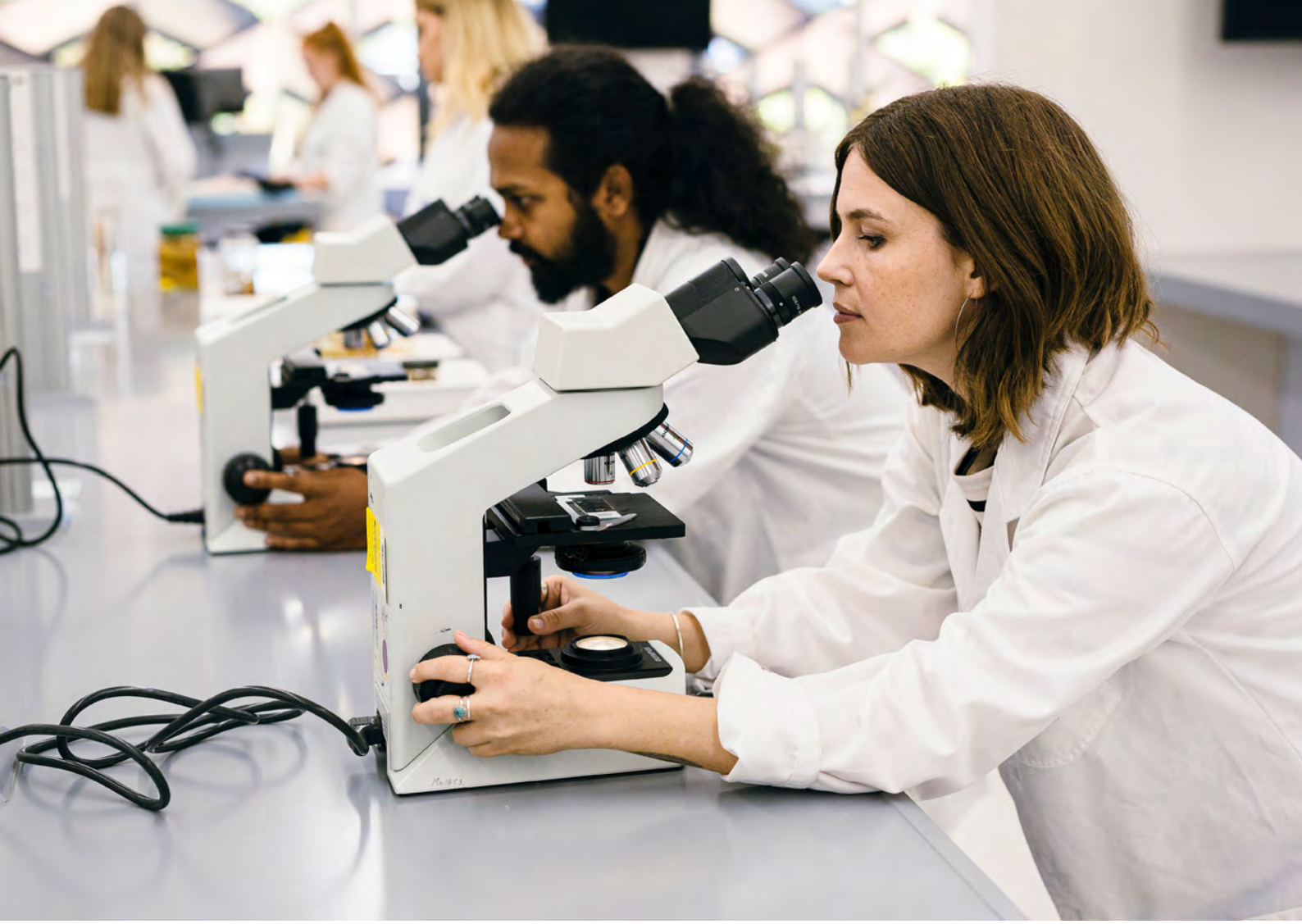
FLEXIBILITY AND CHOICE

JCU Law students complete their degree sooner through JCU Law's range of intensive block and online elective subjects.

SUPPORT FOR YOUR SUCCESS

Explore JCU's range of scholarships, grants and bursaries and discover the right financial assistance to achieve your goals.

*CWUR 2017 ^Good Universities Guide 2022, UG Science and Mathematics



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- You will study under the guidance of JCU's leading science experts. Benefit from opportunities to undertake real-world research in World Heritage listed reef and rainforest environments.
- JCU's law program enjoys community links and strong support from the legal profession, which contribute to providing an authentic learning environment.
- At the end of this five-year joint degree you will understand the role of law in social, economic, environmental and political contexts. Student will appreciate the complexity of legal matters in the context of scientific situations like environmental law and bioethics.

COURSE DETAILS:

Locations:	Cairns, Townsville
Start Dates:	February, July
Duration:	5 years full-time, part-time available
ATAR:	66.5
Prerequisites:	English (Units 3/4,C), Mathematical Methods (Units 3/4,C)

Please visit the handbook for a detailed outline of the course structure. Note: Information is for domestic students only.

Ready today for tomorrow

Graduate ready to work with a science and laws bachelor and the knowledge and skills relevant for a contemporary modern world. Work towards societal advancements as an adviser or researcher at technology firms. Help communities achieve sustainable growth and development as an intellectual property or environmental lawyer. Work as an in-house counsel for corporations, or advise governments on climate change legislation and copyright law.

Become part of positive change by working as an advocate for Australian Aboriginal and Torres Strait Islander peoples. Protect the nation working in national security or in public scientific development. Make a meaningful difference to your community, nationally or internationally through your science and laws bachelor studies in Queensland.

SCIENCE MAJORS

The following are the Science specialties you could choose. Not all majors are available at all campuses.

Aquaculture Science and Technology

Throughout this major, you will explore the scientific and practical applications of breeding, rearing and harvesting of plants and animals in all types of water environments. You will understand the biodiversity of species and how they are farmed, the design of aquaculture systems, and the basics of nutrition.

Chemistry

Build a strong foundation of knowledge and skills in organic and inorganic chemistry, kinetics and the cutting-edge instrumental techniques you will need to succeed. Work anywhere in the world with a degree accredited by the Royal Australian Chemical Institute. Develop your professional network through access to award-winning laboratories, top researchers in the field and visits to local industries.

Data Science

Become an expert in the tech driving today's most sought-after jobs. Master the sophisticated algorithms that are leveraging Big Data and changing everything about how modern businesses work. Be ready to work anywhere with your skills in analytic and machine learning, including government, healthcare, finance, and internet start-ups.

Earth Science

Gain relevant practical skills by studying and assessing the surrounding environments such as both the Wet and Dry Tropics, and the Great Barrier Reef Marine Park. Experience field trips where you will collect, analyse and interpret data. You will gain a thorough understanding of the effect of humans on the natural environment and build skills to develop solutions to lessen the impact.

Marine Biology

Develop your understanding of the world with access to one of the Earth's most diverse ecosystems, the Great Barrier Reef, and gain hands-on skills at JCU's Orpheus Island Research Station. Build skills that are applicable to all areas of marine biology as you see first-hand how ecosystems interact and how human activity affects them.

Mathematics

Understand a number of mathematical techniques, data analysis, and multivariate statistical methods. You will learn how to formulate mathematical models to illustrate science and engineering problems, and use various techniques to help find solutions. To enhance your employability skills, you have the flexibility to combine this major with another science major.

Molecular and Cell Biology

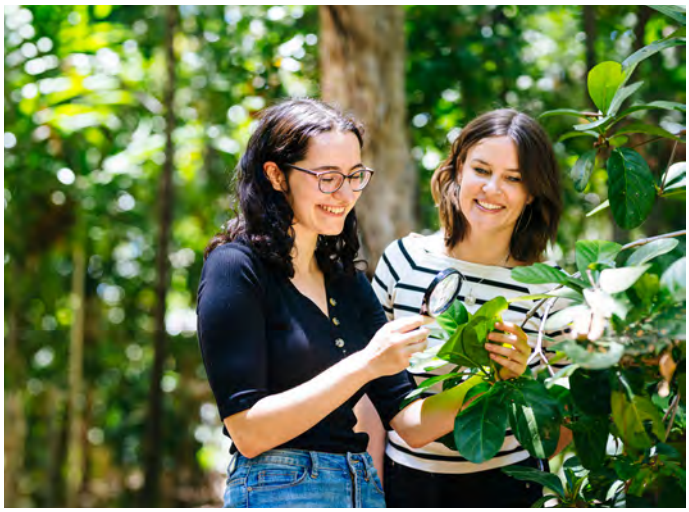
Learn how to amplify and edit DNA sequences and conduct laboratory-based and field-based projects. Throughout your degree, you will study the basis of health and disease at a molecular level and analyse the functions of a whole cell. Gain hands-on experience using cutting-edge equipment and techniques. Study biochemistry, microbiology, biotechnology and bioinformatics, and have an in-depth understanding of molecular genetics.

Physics

Make a difference as a leader ready to tackle the most challenging questions in the universe. Build a strong foundation of theoretical knowledge, then apply that knowledge in practical situations in energy development, quantum mechanics, weather and climate research or biophysics. Prepare yourself for a rewarding career in telecommunications, aerospace, health, meteorology, energy production, or wherever your interests take you.

Zoology and Ecology

Study the science of the biology of plants and animals and the natural world that they live in. Discover many of the environmental threats to the Tropics by studying the effects of deforestation, infrastructure expansion, habitat fragmentation, over-hunting, and invasive species.



"In my opinion, the best part about the degree was the variety. The disciplines are taught very differently – science was very hands-on with high contact hours, whereas law was more research-based with relatively low contact hours. Doing a joint degree also means you get to know different networks of students and teachers. Even if you don't end up working a dual field, the skills are very transferable. The analytical and report-writing skills I developed have helped me in my approach to complex legal problems, for example. I picked science and law because I was undecided at the end of high school which career path to take. I'm so glad I studied both."

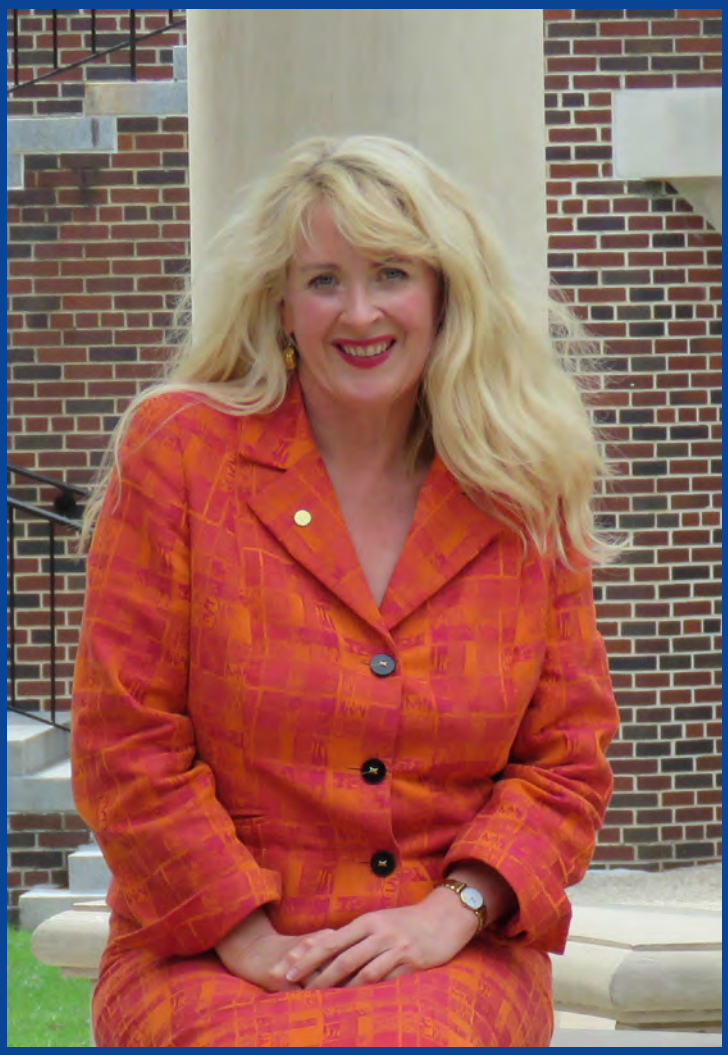
William Evans

BACHELOR OF SCIENCE - BACHELOR OF LAWS

"After a year like 2020, there is no doubt life can change in an instant. We study today to learn about our world, and to build a life and career that will deal with tomorrow's uncertainties. Science ushers in change – law governs the way change unfolds. To understand both helps us deal with the issues we may meet in our future, be they: working life in emerging industries, artificial intelligence in the workplace, challenges to the environment, or how law governs health issues and crises – to name but a few. The JCU BSciLLB is an innovative course to study for those who engage with the future."

Dr Louise Floyd

ASSOCIATE PROFESSOR OF LAW



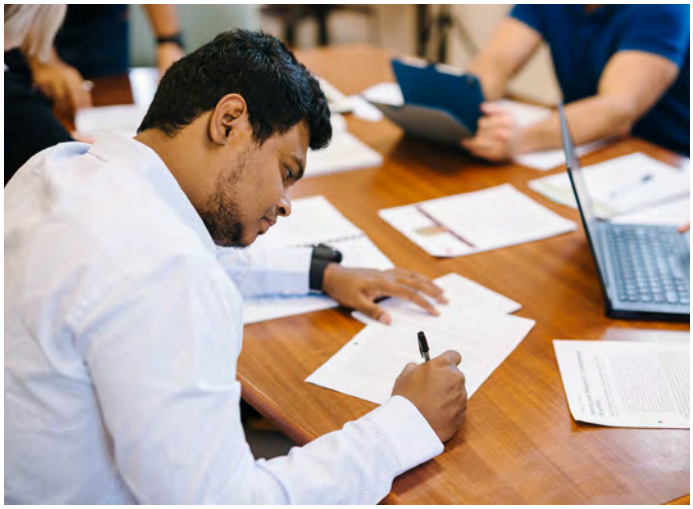
Career Opportunities

Become the person employers want to hire, with training and understanding that crosses disciplines. Explain complicated legal issues and translate complex scientific concepts for professionals. Develop your agile mindset and your robust communication skills to become a leader who brings meaningful change.

Be eligible to work as a solicitor with a degree accredited by the Legal Practitioners Admissions Board, or go on to take the Bar Exams and practice as a barrister.

You could pursue a career in areas such as bioethics, intellectual property, copyright and patent law, climate change, conservation and sustainability, or science and national security.

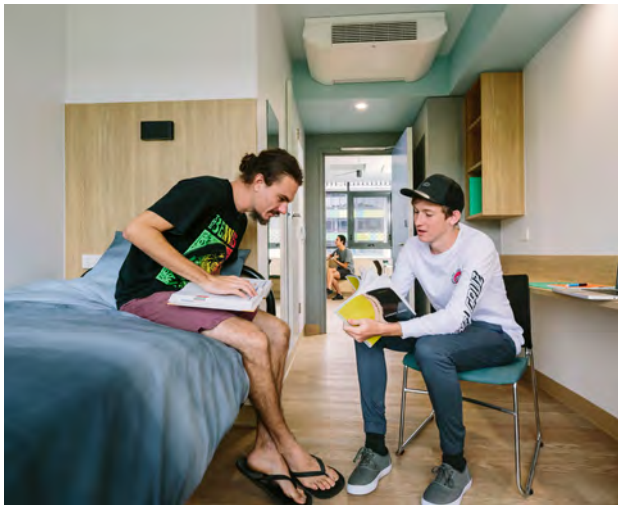
Roles available to graduates of this joint degree include environmental lawyer, intellectual property lawyer, or in-house counsel for research and technology firms.



JCU Accommodation

Study and live in some of the most interesting places in the world. Cairns and Townsville are on the doorstep of the Great Barrier Reef, magnificent rainforests, the savannah 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 1,200 students. JCU Cairns, Nguma-bada campus, Smithfield, features an accommodation complex for 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**



Contact us

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