



JAMES COOK  
UNIVERSITY  
AUSTRALIA

Celebrating  
**50**  
YEARS  
1970 - 2020

2021

# Undergraduate Study Guide



*Ready today for tomorrow*

[jcu.edu.au](http://jcu.edu.au)



# Why JCU?

- Access to world-class academics
- Teachers committed to student success
- Develop skills in state-of-the-art facilities
- Gain real world experience
- Achieve exceptional employment outcomes
- Benefit from small class sizes
- Connect with professional networks
- Work anywhere in the world
- Support through scholarships for merit and equity
- Discover great accommodation options

NO. **1**

IN THE WORLD FOR  
MARINE BIOLOGY<sup>1</sup>

TOP **400**

UNIVERSITIES  
IN THE WORLD<sup>2</sup>



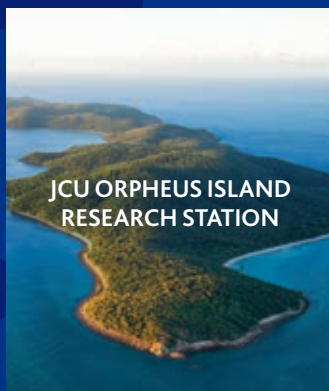
FIVE STARS FOR  
FULL-TIME EMPLOYMENT<sup>3</sup>

NO. **1**

IN GLOBAL PARTNERSHIPS  
FOR SUSTAINABLE  
DEVELOPMENT<sup>7</sup>



FIVE STARS FOR  
SOCIAL EQUITY<sup>3</sup>



JCU ORPHEUS ISLAND  
RESEARCH STATION

**21,972**  
STUDENTS

**4,698**  
EMPLOYEES



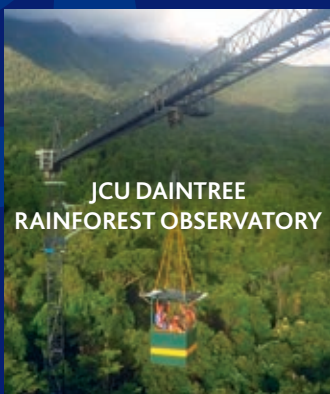
OPENING DOORS TO  
OPPORTUNITY WITH  
INDUSTRY AND RESEARCH  
THROUGH JCU CONNECT

ON-CAMPUS  
ACCOMMODATION  
FOR OVER  
**1,600**  
STUDENTS

AUSTRALIA'S FIRST  
INTERNET OF THINGS  
RESEARCH LAB



**26**  
JCU SPECIALISED  
RESEARCH CENTRES  
& INSTITUTES



JCU DAINTREE  
RAINFOREST OBSERVATORY



FIVE STARS FOR  
STARTING SALARY FOR  
POSTGRADUATES<sup>3</sup>

RESEARCH  
CONNECTIONS TO

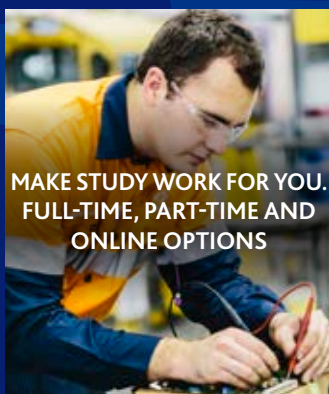
**124**  
COUNTRIES

*Celebrating*

**50**  
YEARS

1970 - 2020

**\$1.9**<sub>Bn</sub>  
IN FUTURE  
INVESTMENT<sup>4</sup>



MAKE STUDY WORK FOR YOU.  
FULL-TIME, PART-TIME AND  
ONLINE OPTIONS



FIVE STARS FOR  
STUDENT SUPPORT<sup>3</sup>

'WORLD CLASS  
OR BETTER'

IN **38** AREAS  
OF RESEARCH<sup>5</sup>

TOP **30**  
OF MODERN  
UNIVERSITIES<sup>6</sup>



FIVE STARS FOR  
SKILLS DEVELOPMENT<sup>3</sup>

**117**

INDUSTRY RESEARCH  
CONTRACTS



HANDS-ON LEARNING



WORLD-CLASS  
FACILITIES

TOTAL RESEARCH INCOME:

**\$47.4**  
MILLION



FIVE STARS FOR  
LEARNER ENGAGEMENT<sup>3</sup>

STUDENTS FROM

**108**  
COUNTRIES

**15**

DISTINGUISHED  
PROFESSORSHIPS

**\$1.75**<sub>Bn</sub>

JCU'S CONTRIBUTION TO  
HUMAN CAPITAL<sup>4</sup>

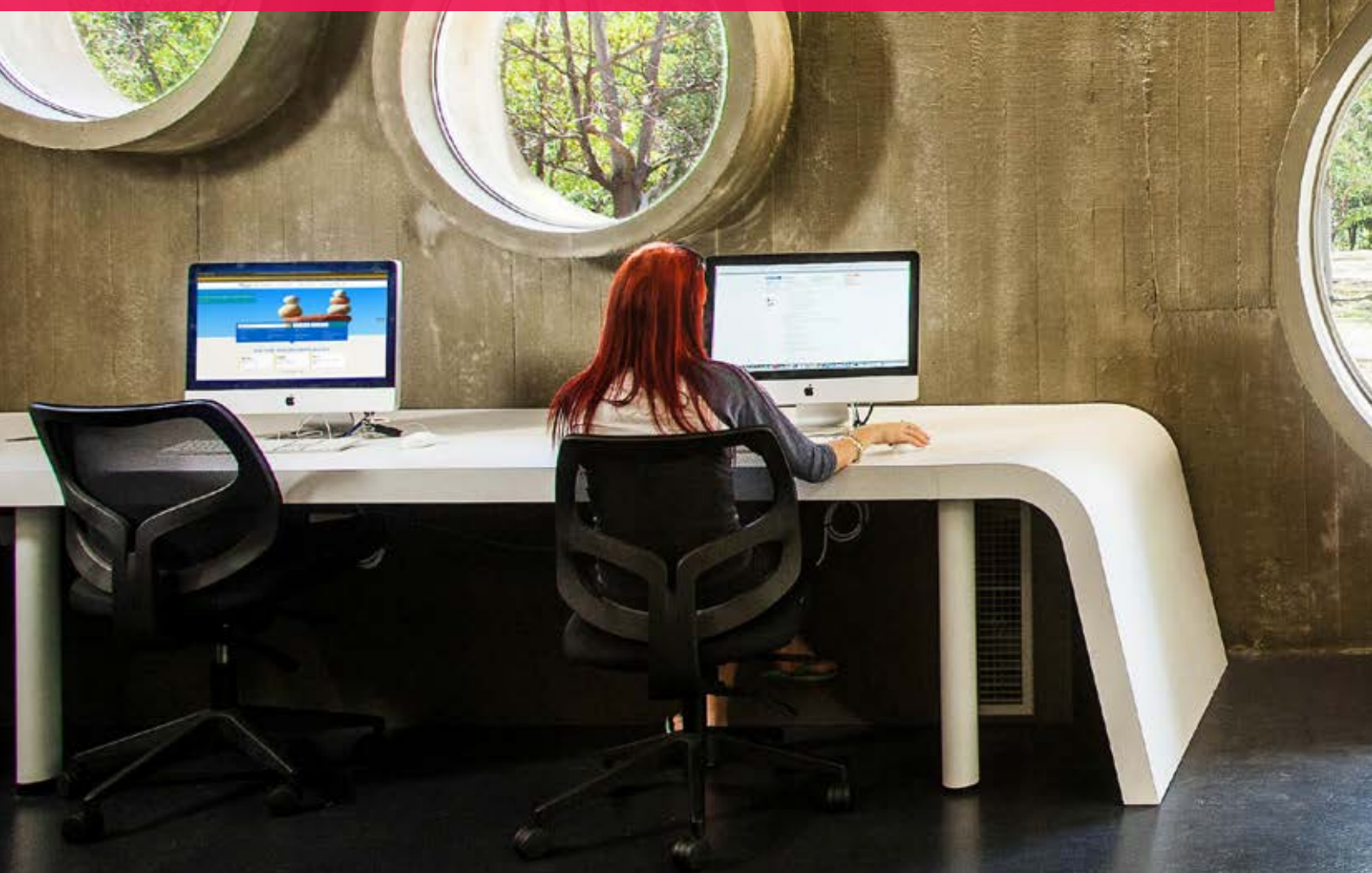


JCU FLETCHERVIEW  
RESEARCH STATION

**\$1.3**<sub>Bn</sub>  
ASSETS<sup>4</sup>



# JCU: Ready today for tomorrow



Cover image: The Verandah Walk at JCU Townsville, a pedestrian and cyclist link that weaves through the picturesque campus.



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# Welcome to James Cook University

*Education matters. Especially during times of change and uncertainty. The reason why is as complex as it is simple. Education helps us develop an enquiring mind, the ability to think, to know the meaning of a good life. That's the complex bit. It also provides skills, better jobs, and a rewarding career. To put it another way, education helps to pay the bills. Yet education is also much more. It can help us dream, explore, have fun, meet friends.*



My commitment to you is that JCU is about all these things. We are also about great student experiences and exceptional academic, employment, and career outcomes. All Australian universities will make the same promises, but with JCU there is one big difference. While you study you can experience the Great Barrier Reef, Daintree Rainforest, and the great Australian outback. You can also work with regional and remote communities, explore ecosystems as living laboratories, or work in bustling cities where climate change and the awesome power of nature is both frightening and challenging. That's why JCU is Uni, but not as you know it.

For 50 years, JCU has helped create a brighter future through students and graduates who make a difference. We are committed to bringing together our natural world, the built environment, people and societies, and experiential learning. We do so with a view to living the United Nations' Sustainable Development Goals. Recently, JCU was recognised in the 2020 Times Higher Education (THE) Impact Rankings as the number one University in the world for global partnerships for sustainable development<sup>1</sup>. Other accolades include being number one in the world for study areas like marine science and freshwater biology<sup>2</sup> and being independently rated five stars for student support, learner engagement, skills development, full-time employment, and social equity<sup>3</sup>. These accolades are hard earned and

a tribute to the commitment of academics and professional staff in supporting students to becoming well-rounded graduates. We have been here for 50 years and we are in it for keeps.

As you explore this guide, consider the opportunities available to you and how they might enable your journey of discovery. We are committed to you having a student experience that is life changing, whether it is in one of the most fascinating places in the world or online in the comfort of your own home. One in which you develop the skills, build your knowledge, and gain the confidence to launch your career. During times of uncertainty, education increases in its importance to you and your community. Thank you for taking the time to explore JCU. We look forward to creating a brighter future with you that makes a difference.

A handwritten signature in black ink that reads "Sandra Harding".

**Professor Sandra Harding AO**  
Vice Chancellor and President

<sup>1</sup>Times Higher Education (THE) Impact Rankings 2020. <sup>2</sup>CWUR 2017 Rankings: Ranked Number 2 in the world for Biodiversity Conservation. Ranked Number 1 in the world for Marine and Freshwater Biology. <sup>3</sup>2020 The Good Universities Guide.



# Important dates

## Study dates 2021 (Cairns and Townsville)

### Teaching period one 2021 (Semester one)

Orientation (O Week)	15 - 19 February
Classes begin	22 February
Mid semester break	5 - 9 April
Classes end	30 May
Exam period	5 - 18 June

### Teaching period two 2021 (Semester two)

Orientation (O Week)	19 - 23 July
Classes begin	26 July
Mid semester break	27 September - 1 October
Classes end	29 October
Exam period	6 - 15 November

For more upcoming events, please visit [jcu.edu.au/events](https://jcu.edu.au/events)

To register for a campus tour, please visit [experience.jcu.edu.au/campus-tours](https://experience.jcu.edu.au/campus-tours)



**RESPECT.  
NOW.  
ALWAYS.**

James Cook University values and celebrates the diversity of our community, and is committed to ensuring our learning and working environment is safe and welcoming.

JCU is proud to be part of the Respect. Now. Always. campaign – a national initiative led by Universities Australia to highlight our determination to ensure our students and staff are safe from discrimination and sexual harassment. Further information about the campaign and free services available for students can be found at [jcu.edu.au/sew](https://jcu.edu.au/sew)



## Our commitment to Australian Aboriginal and Torres Strait Islander peoples

James Cook University is committed to building strong and mutually beneficial partnerships that work towards closing the employment, health, and education gap for Australian Aboriginal and Torres Strait Islander peoples. Our students come from many backgrounds, promoting rich cultural and experiential diversity on campus.

*We acknowledge the Australian Aboriginal and Torres Strait Islander peoples as the Traditional Owners of the lands and waters where we operate our business. We honour the unique cultural and spiritual relationship to the land, waters and seas of First Australian peoples and their continuing and rich contribution to JCU and Australian society. We also pay respect to ancestors and Elders past, present and future.*



Kassandra Savage (JCU Alumni),  
'Coming Together and Respecting Difference',  
acrylic on canvas, 2014, 90cm x 90cm.

This publication is intended as a general guide for domestic students only. Prospective domestic students and all international applicants should contact the University to confirm admission requirements and the availability of courses.

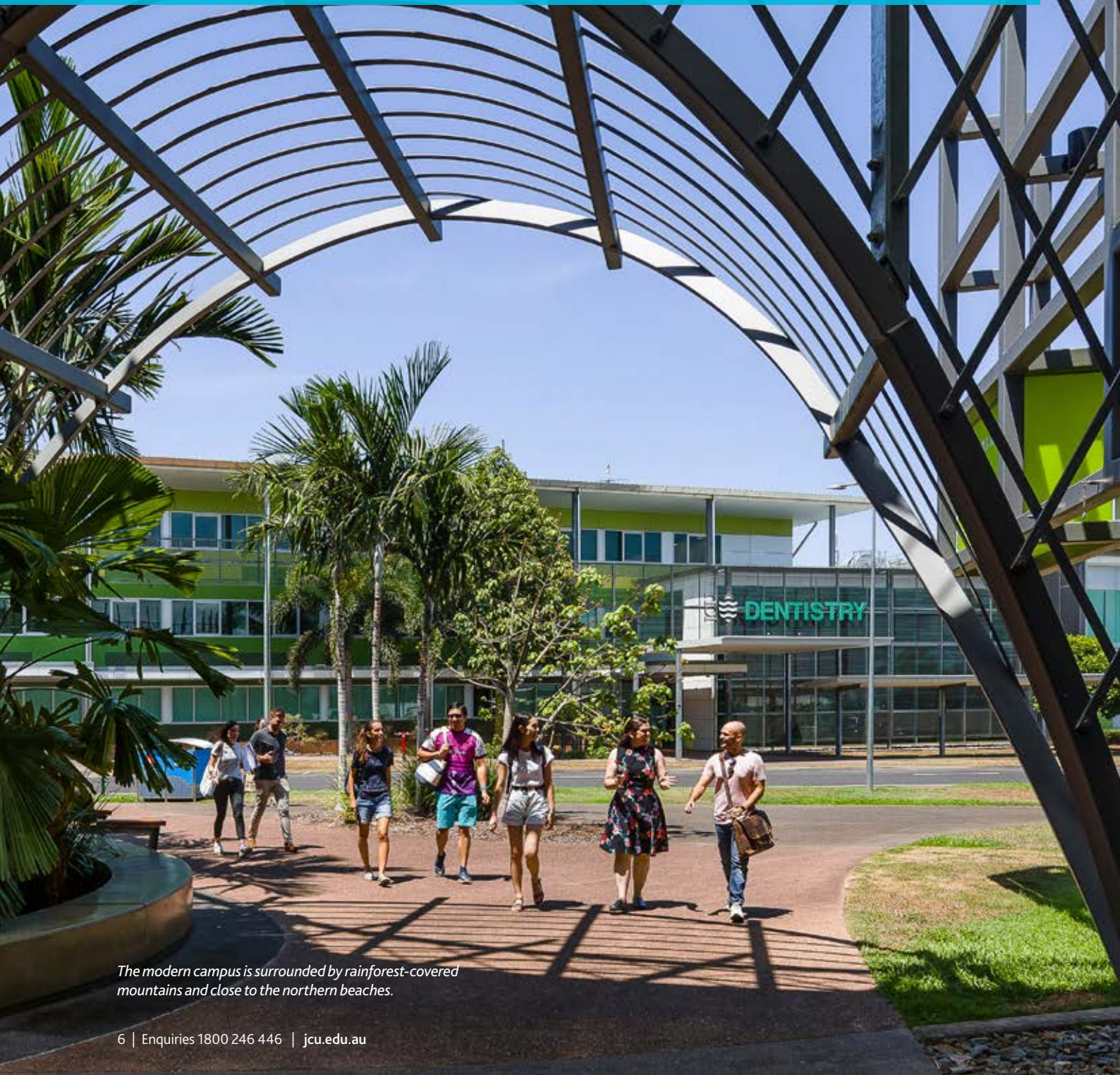
Information is correct at the time of printing. James Cook University reserves the right to alter any course or admission requirement without prior notice.

CRICOS Provider code 00117J.



# JCU Cairns

*Study in some of the most interesting places on Earth. Explore unrivalled research locations, access World Heritage natural environments, and learn in state-of-the-art facilities. Build valuable professional networks while developing the skills and knowledge to make a difference.*



*The modern campus is surrounded by rainforest-covered mountains and close to the northern beaches.*



## JCU Cairns

Over 4,000 students study at JCU Cairns, including approximately 380 international students. These students are immersed in a dynamic learning environment with opportunities available for study, work, and play. With academic staff committed to student support and success, a careers team ready to assist students with work both during and post study, and a myriad of academic and sporting clubs on offer, students at JCU Cairns have a world of experiences available to them.

JCU Cairns is conveniently located 15 kilometres (9 miles) north of the city centre in the suburb of Smithfield. Uniquely juxtaposed between urban settings and natural wonders, the campus is surrounded on three sides by rainforest-covered mountains and is close to the northern beaches. Students enjoy a tranquil learning environment due to the abundance of lush greenery and spacious areas.

Want to study in the heart of Cairns? Located in the city centre, JCU Cairns City offers a range of flexible study, teaching, and meeting areas, and North Queensland's first 'moot court' with e-court facilities providing practical training for law students. Access to videoconferencing and catering facilities in the boardroom gives staff and students opportunities to meet and network with businesses and the local community.

Studying in Cairns provides access to two World Heritage-listed natural environments – the Great Barrier Reef Marine Park and the Wet Tropics ancient rainforests. Students can develop specialised skills during field trips and expeditions to distinctive research locations.

Study in paradise. Cairns is one of the most popular tourist destinations in Australia, with over two million visitors annually. The variety of natural wonders coupled with a tropical climate make Cairns an ideal place for active outdoor living. The city is a great base for exploring the nearby resort regions of Port Douglas and Mission Beach, the picturesque Atherton Tablelands, and outback Queensland.



Cairns city, overlooking Trinity Bay.

## Cairns fast facts

Cairns is a gateway to the Great Barrier Reef, Daintree and Wet Tropics rainforest, Atherton Tablelands, and the outback savannah region, so you'll never run out of places to enjoy and explore.



### Climate

Wet season (November–May)  
24°–32°C/75°–90°F  
Hot, rainy and humid atmosphere  
Dry season (June–October)  
17°–26°C/63°–79°F  
Mild and dry atmosphere

### Food

Easy access to an abundance of fresh local food and cuisines from around the world.

### Population

160,000 (city), >4,000 (campus)

### Transport

Bus to and from campus, car, bicycle (extensive network of bike tracks throughout Cairns), international airport.

### Places of worship

JCU's Multifaith Chaplaincy Centre is available as a free facility for you to practice your faith.

### Medical

On-campus dental clinic, as well as a hospital, medical clinics, psychology clinics, and more off campus.

### Campus

Smithfield, near the popular northern beaches and approximately a 20-minute drive from the city centre. Study facilities can also be accessed at the Cairns City campus.

### On-campus sport

Gymnasium, basketball courts, sporting fields, and a world-class mountain bike track.



# JCU Townsville

*Study in a unique environment where world-class facilities, natural wonders, and vibrant student life come together. JCU Townsville is a teaching, research, and community hub with a range of state-of-the-art equipment and resources for you to make the most of your time at university.*





## JCU Townsville

Students access exceptional teaching and research facilities at JCU Townsville. Develop professional skills, engage with peers, and learn from leading lecturers at JCU Science Place. The world-class facility features sophisticated teaching areas, collaborative lecture theatres, technology-enabled active learning spaces, and cutting-edge research labs. Students can also access research facilities and learning support services at the Eddie Koiki Mabo Library. The library hosts exhibitions, providing opportunities to access and appreciate different artworks and artefacts. Students enjoy a rich social life and can join a range of clubs and societies. From sports through to culture, there is a club to suit any interest.

JCU Townsville is a convenient 13 kilometres (8 miles) from the city centre, and houses around 1,400 students in colleges and halls of residence. Over 13,000 students are part of the JCU Townsville community, including approximately 1,500 international students.

JCU Townsville is located in the suburb of Douglas and is surrounded by natural bush and parkland.

Immerse yourself in the heart of Townsville at JCU Townsville City Campus. Located in Townsville's CBD and boasting a range of innovative spaces and state-of-the-art facilities, Townsville City Campus delivers services for the university, its students, businesses, and community organisations.

Townsville is small enough to escape the hustle and bustle of big city life, but large enough to boast a range of facilities. Students can make the most of the great outdoors through rainforest hikes, mountain biking, and snorkelling or scuba diving on the Great Barrier Reef.



Townsville city, from Castle Hill, overlooking Cleveland Bay and east to Magnetic Island.

## Townsville fast facts

Townsville is Australia's largest tropical city and a thriving coastal port. Magnetic Island and the Great Barrier Reef are on Townsville's doorstep. The savannah region and outback country towns lie to the west. Townsville is famous for an average of 320 days of sunshine per year, so there are endless opportunities to enjoy the outdoors.



### Climate

Summer (December–February)

24°–32°C/75°–90°F

Hot and humid atmosphere

Winter (June–August)

13°–26°C/56°–79°F

Mild and dry atmosphere

### Food

Easy access to an abundance of fresh local foods and cuisines from around the world.

### Population

190,000 (city), 13,000 (campus)

### Transport

Bus to and from campus, car, bicycle, international airport (Bali and Port Moresby).

### Places of worship

JCU's Multifaith Chaplaincy Centre is available as a free facility for you to practice your faith.

### Medical

On-campus hospital, medical clinic, psychology clinic, physiotherapy clinic, dental clinic, occupational therapy clinic, speech pathology clinic, exercise physiology clinic, and veterinary clinic.

### Banks

Westpac, Commonwealth Bank, and RediATM facilities on campus.

### Campus

Douglas, Australia's largest university campus, approximately a 20-minute drive from the city centre. Study facilities can also be accessed at the Townsville City Campus.

### On-campus sport

Gymnasium, basketball courts, tennis courts, squash courts, netball courts, rugby and soccer fields, hockey fields, cricket pitches, and swimming pool.

# JCU Singapore

*Prepare yourself for the global workforce in one of the most dynamic cities in the world. A constantly evolving city, Singapore is at the forefront of global health, technology, and economic advancement. JCU Singapore boasts cutting-edge facilities, collaborative learning spaces, and internationally-renowned lecturers to help you succeed every step of the way.*

[jcu.edu.sg](http://jcu.edu.sg)

## Climate

Dry season (March–August)

25°–32°C/77°–90°F

Wet season (September–February)

24°–32°C/75°–90°F

## Food

There is easy access to fresh fruit, vegetables, meat, and seafood. Singapore enjoys a large range of ethnic cuisines, as well as plenty of vegetarian, vegan, and halal options.

## Population

5.8 million

## Transport

Two MRT (train) stations are a 10-minute walk from campus, and there are three bus stops within short walking distance to the campus.

## Places of worship

A prayer room is available on campus for student use.

## Medical

The JCU Singapore Psychology Clinic, a sick bay, and a nurse's room are located on campus. There is a hospital 15 minutes from the campus, as well as several medical clinics around the city.

## Sporting facilities

A wide range of sporting facilities are on campus, including a gymnasium, basketball and tennis courts, and a multi-purpose sports hall.





# JCU Research and Learning sites



## Thursday Island

JCU is committed to research that improves the health of people and communities in the tropics worldwide. JCU's Australian Institute of Tropical Health and Medicine (AITHM) Clinical Research and Training Facility is one place that makes this commitment possible. Located adjacent to the Torres Strait Hospital on Thursday Island, AITHM is an important site for research, training, and community engagement.

The facility provides both teaching and learning facilities for JCU students, and a community space for engagement and collaboration with the Torres Strait community.

With over 300 members, AITHM comprises a broad range of laboratory scientists, multidisciplinary research teams, field scientists, and clinicians who deliver real-world scientific, social, and economic solutions. The AITHM delivers research outcomes that improve the efficacy of healthcare delivery and health outcomes for the communities of northern Australia and neighbouring tropical nations.

## Mackay

JCU Mackay is co-located with the Mater Misericordiae Hospital in North Mackay. This unique location provides students with extensive hands-on learning and clinical experience at both the Mater and Mackay Base Hospitals, as well as with other clinical agencies.

JCU Nursing and Midwifery is a leader in regional, rural, and tropical healthcare sciences. The Bachelor of Nursing Science can be completed at JCU Mackay, and includes a science residential program in the first year of study at JCU Townsville. Small class sizes and personalised support from teachers fosters the development of compassionate and highly-skilled graduates.

## Mount Isa

JCU's Centre for Rural and Remote Health (CRRH) at Mount Isa provides access to health education for the remote west region of Queensland. Become involved in a close-knit community in the Australian outback with all the facilities you need to make the most of your learning experience. The CRRH has lecture rooms, access to video conferencing, research facilities, a computer laboratory, and a procedural skills laboratory. A growing health services library makes it easier than ever to gain your qualification in this important remote location.

The nationally-accredited Bachelor of Nursing Science program in Mount Isa offers opportunities to gain rural experience like nowhere else. The centre facilitates research and education for rural, remote, and Indigenous health issues. Learn from lectures delivered by experts all over Queensland, and be taught in tutorials by local practising nurses.

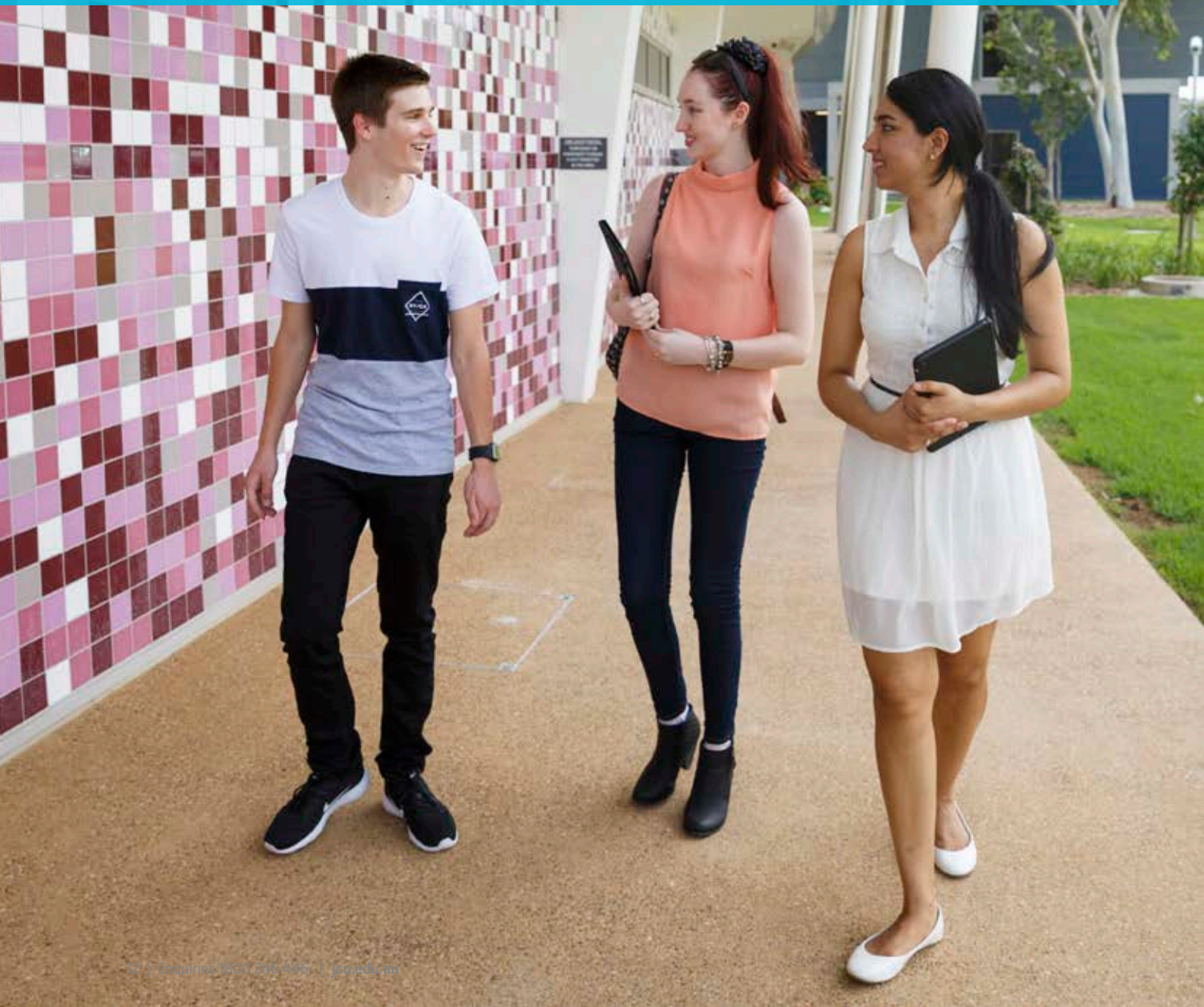
## Brisbane

JCU Brisbane is a modern high-rise building located in the heart of Brisbane's Central Business District (CBD) on Queen Street. The campus has study and leisure facilities, including computer stations with high-speed internet and WiFi, as well as activity rooms. JCU Brisbane caters for international students studying undergraduate or postgraduate degrees in accounting, business, education, hospitality and tourism, or information technology.



# There's a place for you at JCU

*The world is changing. You haven't. Your hard work in the past still counts. Education matters, especially during times of change and uncertainty. We want you to know there's a place here at JCU for you.*





## Early offer

If you're a Year 12 student, you have the opportunity to receive an early offer for a course based upon a recommendation from your school. You may be still required to meet all of the relevant entry requirements and subject prerequisites for the course plus you'll need to make sure you've listed JCU as your first preference in QTAC.

## How does it work?

Talk to your school Guidance Officer/Careers Adviser about wanting to study at JCU next year, and that you'd like to be considered for the Early Offer Program. They can assist you with the application to provide to your Principal for consideration.

To find out more, including the full list of courses included in the Early Offer Program, visit [jcu.edu.au/year-12/early-offer](https://jcu.edu.au/year-12/early-offer)

## Guaranteed Admissions Plan

Are you doing well at school, but worried you don't have the right prerequisites?

If you receive an ATAR of 90 and above, you are guaranteed entry into most JCU courses with all subject prerequisites waived.

An ATAR of 73 and above will guarantee you entry into most JCU courses, though you must meet the course subject prerequisites.

The Guaranteed Admissions Plan is open to all domestic and international applicants completing Year 12.

Programs excluded from these guarantees are:

- Bachelor of Advanced Science
- Bachelor of Clinical Science
- Bachelor of Dental Surgery
- Bachelor of Education (Early Childhood Education)
- Bachelor of Education (Primary)
- Bachelor of Education (Secondary)
- Bachelor of Medicine, Bachelor of Surgery
- Bachelor of Nursing Science (Pre-Registration)
- Bachelor of Nursing Science - Bachelor of Midwifery
- Bachelor of Physiotherapy
- Bachelor of Psychological Science
- Bachelor of Veterinary Science.

To find out more, including the full list of courses included in the Guaranteed Admissions Plan, visit [jcu.edu.au/year-12/guaranteed-admission](https://jcu.edu.au/year-12/guaranteed-admission)

## Adjustment factors

If you live in a particular area and/or are studying certain subjects, you may be able to have your ATAR adjusted.

For details about adjustment factors, please visit [jcu.edu.au/year-12/adjustment-factors](https://jcu.edu.au/year-12/adjustment-factors)

## Regional Preference Scheme

If you live in regional and remote areas of Queensland, you may be able to gain entry into JCU through an automatic adjustment of your ATAR by two bonus points. The Regional Preference Scheme is open to domestic applicants who live in regional and remote Queensland (postcodes 4306 through to 4895). The scheme can't be used for entry to postgraduate degrees, graduate entry programs, and courses with special application requirements.

The bonus points are automatically applied by QTAC at the time you are assessed. This means you don't need to apply for this scheme. We do it for you.

## Subject Adjustment Scheme

This scheme allows for an automatic adjustment for subjects that require a high level of skill and knowledge that are successfully completed in high school.

The Subject Adjustment Scheme is open to all domestic and international applicants completing Year 12, and can't be used for entry to postgraduate degrees, graduate entry programs, and courses with special application requirements.

Adjustments are cumulative up to a maximum of ten (10) rankings, and some exceptions apply.

The bonus points are automatically applied by QTAC at the time you are assessed. This means you don't need to apply for this scheme.

For details on which subjects are part of the scheme, visit [jcu.edu.au/year-12/adjustment-factors](https://jcu.edu.au/year-12/adjustment-factors)

## Special consideration for adverse circumstances

JCU participates in QTAC's Educational Access Scheme (EAS), which recognises applicants who have been educationally disadvantaged due to: financial hardship, home environment and responsibilities, English language difficulty, personal illness and disability, or educational disruption.

This scheme is open to domestic applicants who apply through QTAC, but does not apply to courses with special application requirements.

Applicants apply for this scheme through QTAC.



# Your dream career starts with JCU

*Your world-class education begins here. JCU graduates are able to apply technical competencies, while thinking critically about the challenges facing the world. You'll be equipped with the expert knowledge and job-ready skills to stand out in your chosen career path. Field trips and practical placements are just some of the real-world experiences on offer at JCU.*

## **Gain professional experience**

Kick start your career through study incorporated with real-world practice. Field trips, clinical placements, practicums, and internships – no matter what your study area, JCU provides opportunities to build your knowledge. You'll gain valuable work experience and network with leading industry professionals in your field. Transition into the workplace with the practical skills and knowledge necessary to succeed.

[jcu.edu.au/placements](http://jcu.edu.au/placements)

## **Kickstart your career**

Want to know what steps will lead you to your dream career? JCU's Careers and Employability service is available online and on campus, boosting students' employability both during study and after graduation. You can find career advice and planning, resume tips, and links to potential employers. Stand out from your competitors with Big Interview, an online resource that combines training and practice to improve your interview techniques and confidence.

[jcu.edu.au/careers-and-employability](http://jcu.edu.au/careers-and-employability)

## **Go global**

Enhance your employability and prepare for a global workforce by studying overseas. JCU has partner universities in more than 20 countries across Europe, Asia, the Pacific, and the Americas. Challenge yourself – you'll be rewarded with rich cultural experiences, unique skills, and lifelong memories.

[jcu.edu.au/global-experience](http://jcu.edu.au/global-experience)

## **Volunteering**

Spruce up your resume with a range of JCU's extracurricular volunteering opportunities. From working to protect the environment to assisting at events and mentoring students, there is a volunteering opportunity to suit you. Not only will you make a valuable difference to the community, you'll have fun, gain work experience, and network with friends and professionals.

[jcu.edu.au/volunteering](http://jcu.edu.au/volunteering)





*“It’s a great course that I would highly recommend to anyone who has an interest in nursing and/or midwifery. The rural and remote element incorporated into these degrees has given me a new insight into health care, which many other universities don’t include. I chose to study at JCU for these reasons, as well as the wonderful feedback I had heard from other friends and graduates about this university. The dedicated staff members and support networks have been phenomenal, as well as the vast range of placement opportunities offered right from first year.”*

**Georgia Dennis-Smith**

BACHELOR OF NURSING SCIENCE, BACHELOR OF MIDWIFERY



# JCU campus life

*Experience the best of student life, including a vibrant social community in the most interesting and beautiful locations in the world. Join clubs and societies, meet like-minded people, and make lifelong friends. Pursue your interests or try something new – you never know where campus life will take you!*

[jcu.edu.au/student-life](http://jcu.edu.au/student-life)





## Orientation Week

Kick start university life with Orientation Week (O Week). Familiarise yourself with the campus, meet other students, get to know your lecturers and tutors, and attend information sessions. The JCU Orientation Program runs over six weeks, from the week before O Week until Week 4. Get pumped and ready for the year ahead!

[jcu.edu.au/getready4uni](http://jcu.edu.au/getready4uni)

## Student Association

The JCU Student Association (JCUSA) is your first stop for getting involved with student life. Become a JCUSA member to have fun, meet a variety of people, and be invited to social events throughout the year. You'll find a community to connect with by joining one of our many clubs and societies, from social and academic societies to sports, cultural, and religious clubs. JCUSA is also here to care for you during your time at university, with support and free independent advice available for all students.

[jcusa.edu.au](http://jcusa.edu.au)

## TropEco: Sustainability in Action

Passionate about sustainability and the environment? The award-winning TropEco program is for you! Collaborate with like-minded people to help create a culture of sustainability at JCU. Volunteer in a range of TropEco activities, from running campaigns to maintaining on-site community gardens. You can also apply for TropEco's Internship program to learn valuable skills from the TropEco team and gain formally-recognised work experience.

[jcu.edu.au/tropeco](http://jcu.edu.au/tropeco)

## Learn from the best

Want to gain an edge in your first semester? Get a student mentor! The JCU Student Mentor Program helps to match experienced student mentors with new undergraduate students from the same course of study during O Week. Student mentors are passionate about sharing their knowledge and helping students succeed in their first semester. Having a mentor will increase your success rate by up to 17 per cent, so don't miss out!

[jcu.edu.au/mentor](http://jcu.edu.au/mentor)

## The Learning Centre

Need some academic assistance? JCU is here to help. The Learning Centre provides academic learning development and self-help resources, both online and on campus. Whether you need study tips, numeracy, and basic statistics development, or help with academic reading and writing, The Learning Centre can help. If English is your second language, develop your language skills for studying at university by attending one of our workshops or online programs.

[jcu.edu.au/learning-centre](http://jcu.edu.au/learning-centre)

## Library services

Study smarter, not harder. The JCU Library offers a range of resources and services to help you succeed. You'll have 24/7 access to a comprehensive range of online resources that assist with research, referencing, and basic library enquiries. On campus, check out our comfortable zoned study areas, and make use of the free WiFi, computers, printers, and 3D printing. Need help? Assistance is available in person during our extensive library opening hours, or online via our chat service.

[jcu.edu.au/library](http://jcu.edu.au/library)



## Your health and wellbeing

Discover how JCU can help you outside of the classroom. Put your mind, body, and soul first with our free and confidential wellbeing services. Counselling and wellbeing staff are here to support you through social, emotional, welfare, and personal issues. AccessAbility services are available if you have a temporary or permanent injury, illness, or health condition that will impact on your study. JCU also has a multi-faith chaplaincy that offers a diverse range of services to the community.

[jcu.edu.au/sew](http://jcu.edu.au/sew)

## Careers and Employment

Need a part-time job while you study? JCU's Careers and Employability service is available online and on campus, connecting students to part-time and casual employment, vacation jobs, and volunteering opportunities. You can also find career advice and planning, resume tips, and links to potential employers. Plus, stand out from your competitors with Big Interview, an online resource that combines training and practice to improve your interview technique so that you can job seek with confidence.

[jcu.edu.au/careers](http://jcu.edu.au/careers)

## Looking for financial support?

Don't let finances stop you from achieving your goals. From payment deferrals to scholarships, JCU has a range of financial support options to help you with the costs of studying.

[jcu.edu.au/students/fees-and-financial-support](http://jcu.edu.au/students/fees-and-financial-support)

## Do you need childcare?

A range of convenient childcare options are available at each campus. JCU Townsville has two childcare facilities on campus. JCU Cairns and Singapore have multiple childcare centres located near the campus and in surrounding suburbs.

[jcu.edu.au/students/support/childcare-and-schooling](http://jcu.edu.au/students/support/childcare-and-schooling)

## Are you an elite athlete?

Study and play. Combine your elite sporting ambitions with academic excellence. JCU is proud to be part of the Elite Athlete Friendly University (EAFU) program, and aims to provide support to help students meet both study and sporting requirements.

[jcu.edu.au/elite-athletes](http://jcu.edu.au/elite-athletes)



# 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. Whether you need somewhere to stay for a block-mode subject or for the duration of your course, there are a range of options available at JCU.*

## Living on campus

Living on campus is a great way to make the most of your time at JCU. With five different accommodation options at JCU Townsville, housing over 1,200 students, and a brand new complex for 300 students at JCU Cairns, living on campus is a great place to make new friends and immerse yourself into the JCU culture.

All rooms at our on-campus residences are single board, with a single bed, study desk, chair, fan, air-conditioning, and WiFi. Each residence is different in regards to style of living, culture and atmosphere. There are options for fully-catered or self-catered housing. You can take virtual tours of each residence at [jcu.edu.au/accommodation](https://jcu.edu.au/accommodation)

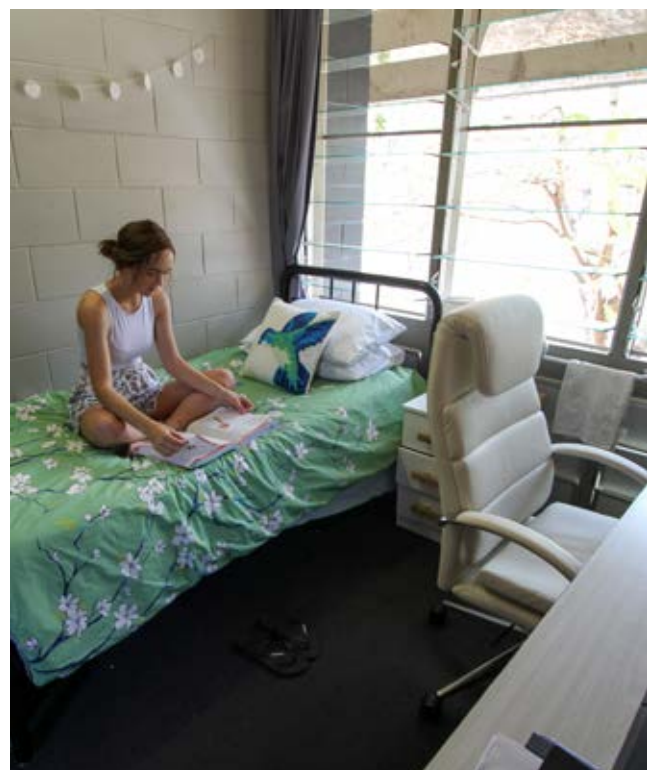
Living on-campus is so much more than just a room. It is a safe, secure, and fun way to transition into university life. Each of our residences provides academic support, wellbeing support, and social support.

Your safety and security are a priority. Each bedroom has an individual lock that only you and our staff can access. After-hours access to any buildings on residence can only be accessed by residents living there. We have CCTV cameras throughout the buildings. JCU Security are on campus and patrol the grounds 24/7, and are able to escort you back to your residence if you are studying late at night.

Relocating to attend university is a big thing. Our on-campus team are here to support you through your transition to university life. They are there to talk to you when you need support, check on you to ensure that you are coping OK, and make sure that your health and wellbeing are on track for you to achieve your academic goals. To assist with your studies, you can form study groups and our team are able to provide academic support.

One of the most important things when you are moving somewhere new is making new friends to share your experiences with. Isolation and loneliness can have a significant impact on your mental health and academic success. This is why we make sure you know someone else studying the same course you are before you take your first class. And there are lots of fun social activities happening all year round including movie nights, sporting events, international festivals, outings, and musical showcases.

Applications to live on campus open August 1 for the following year. You can apply for on-campus housing at [jcu.edu.au/accommodation](https://jcu.edu.au/accommodation)





## Living off campus

Off-campus housing can come in the form of sharing a house with other students, purpose-built student accommodation, or renting an entire property.

Before committing to a property or room off campus, please be sure to:

- Check what you are getting is part of your lease. Even though images show the property with furniture, they may have been put there for marketing purposes only.
- Check the dates and length of time you are committing to. You will be signing a legal document, which you may not be able to break because you have changed your mind.
- Check the location of the property to the proximity to the University campus, bus stops, and amenities.

Please don't hesitate to contact the JCU Accommodation team for any support, or to answer any questions you have in relation to the property or location you are considering living during your time at JCU.

## Homestay

A homestay is when you are matched with a family in the local area to live with. All homestay hosts have been screened by JCU's homestay provider, and are required to undergo training in order to provide a high level of service and comfort to the student. More information is available

[www.jcu.edu.au/accommodation/off-campus/homestay](http://www.jcu.edu.au/accommodation/off-campus/homestay)

## Transport

Both JCU Townsville and JCU Cairns are located about 20 minutes from the airport. Buses don't run from the airports, however taxis and rideshare companies are available. A bus from the centre of town to each University campus will take about 30 minutes. Buses run regularly. You can view the timetables at

[sunbus.com.au](http://sunbus.com.au)

## Further information

[jcu.edu.au/accommodation](http://jcu.edu.au/accommodation)

[accommodation@jcu.edu.au](mailto:accommodation@jcu.edu.au)

T 07 4781 4148

T (International) +61 7 4781 4148





# Indigenous Education and Research Centre

*The team at the Indigenous Education and Research Centre (IERC) are here to support you from the time you start thinking about studying right through to graduation and beyond. We offer a range of services and facilities in encouraging environments to empower you to achieve success.*

## Student support

We are dedicated to helping you reach your full potential. The IERC has facilities on the JCU campuses in Townsville and Cairns. We offer mentoring, professional development opportunities, study sessions and much more. We have fantastic facilities and computer labs, which are open all day, every day and are in secure and monitored spaces.

During your studies, we will strive to help you become an independent learner. We can help you develop ways to meet academic demands and expectations, build strategies, and stay motivated. Think of us as family.

## Reaching your potential

Our Indigenous Student Support Advisors support you throughout your degree through offering mentoring, encouragement, and a safe environment. They can help you source further information on accommodation options, financial services, scholarships, and provide support on health and wellbeing.

## Study success

Our Indigenous Academic Support Advisors are here to help you succeed in your studies and progress through your degree. They provide academic coaching, help you develop strategies to identify areas of improvement, assist you in creating effective study plans, help you stay motivated throughout your studies, and much more.

## Indigenous tutorial assistance

As an Indigenous student you can access free tutoring throughout your degree. You will be matched with a tutor who is an expert in their field, and you can be coached at a time and place that suits you. Depending on your goals, tutoring can be used to improve grades, refresh content, or prepare for exams.

## Become part of a community

Going to university is not only about study. Our informal gatherings and barbecues are great places to meet staff and other students. Our biggest event is the JCU Indigenous Students' Awards Dinner, a formal occasion for celebrating with families, peers, community members, industry partners, and government bodies. The annual Awards Dinner is a time to recognise students for their hard work and dedication, as well as awarding bursaries and certificates for their achievements.

## IERC majors and subjects

Our team of professional lecturers teach various Indigenous subjects to further enhance your learning outcomes. Gain knowledge and understanding of the importance of culture to Australian Aboriginal and Torres Strait Islander peoples, and other Indigenous peoples living in the tropics.

## Master of Philosophy (Indigenous)

A JCU Master of Philosophy (Indigenous) provides exceptional students with the opportunity to complete a significant research thesis.

## Contact us

[jcu.edu.au/ierc](http://jcu.edu.au/ierc)





*“As an Indigenous student, I have access to the Indigenous Education and Research Centre where they have tutoring and support. It feels like a family, they really look after all us students. Don’t allow doubt, judgement, or fear to hold you back. Self-doubt is one of the biggest barriers, it reinforces all our reasons why we shouldn’t apply. But so many of those barriers can be easily overcome with the resources and strategies available at the Indigenous Education and Research Centre.”*

**Anastasia Jensen**

BACHELOR OF MEDICINE, BACHELOR OF SURGERY

## Admission pathways

If you don’t have the formal academic qualifications or meet the prerequisites for your chosen course, don’t stress. You can enter one of our JCU pathway programs and start your journey at university.

### TERTIARY ACCESS COURSE (TAC)

Refer to page 24 for more information about JCU’s free Tertiary Access Course (TAC).

### DIPLOMA OF HIGHER EDUCATION

Refer to page 24 for more information about the JCU Diploma of Higher Education.

### REMOTE AREA TEACHER EDUCATION PROGRAM (RATEP)

If you want to shape a positive future for young children in your community, RATEP provides a pathway to completing a Bachelor of Education (Primary).

As an Australian Aboriginal and/or Torres Strait Islander student, you can gain teaching qualifications while remaining in your local community. You can study at a RATEP site, as well as have short on-campus sessions. Using interactive multimedia course materials, you will study the same subjects with the same lecturers as JCU students in Cairns or Townsville.

For more information, email: [ratep@jcu.edu.au](mailto:ratep@jcu.edu.au)

\*RATEP is a partnership between JCU, the Department of Education and Training (DET), TAFE Queensland North (TQN), and the Torres Strait Islander Regional Education Council (TSIREC)

# Preparatory Programs for High School students

## Winter School for Australian Aboriginal and Torres Strait Islander students

If you are in Year 10, 11, or 12 and want to know what it’s like to be a uni student at JCU, this program is for you. Over five days, students live on campus and take part in an interactive program including attending lectures, and sporting and cultural activities. The IERC covers all travel and accommodation costs related to participating in this program.

## Summer Pre-Program for Australian Aboriginal and Torres Strait Islander students

The Summer Pre-Program is an intensive preparation program for prospective Indigenous students who have completed Year 12 QCE or HSC requirements in the current year. Over three weeks, students live on campus and take part in academic lectures, tutorials, and team-building and sporting activities. The IERC covers all travel and accommodation costs related to participating in this program.



# Investing in your future

## Admissions

JCU is committed to providing pathways and opportunities for all students, and creating a brighter future for life in the tropics.

As the leading higher education institution in North Queensland, JCU has a central role in education opportunities and research outcomes throughout the region. JCU graduates and their work shape future decisions for communities, and many students come from rural, regional, and remote areas.

JCU seeks to admit students from all parts of Queensland, as well as other states and countries, who aspire to create opportunities and enduring, sustainable benefits for our region and beyond. Academic achievement, creative endeavours, and commitment to community are important to our students. They are diverse, respect one another, and are eager to contribute as scholar-citizens.

### ADMISSIONS TRANSPARENCY

The Australian Government introduced a requirement for all higher education institutions to make data on their undergraduate admission cohorts available to the public each year starting from the 2018 admission period.

This information is intended to help potential undergraduate students understand the courses available to them, the typical student cohort each year, and specific admission requirements.

For more information, visit [jcu.edu.au/admissions-transparency](http://jcu.edu.au/admissions-transparency)

Consult the JCU course-specific guide for specific admissions information about your degree, essential requirements for admission, admission criteria, how to apply, advanced standing, and a student profile.

For any questions relating to the information or data available, contact the Admissions team at [admissions@jcu.edu.au](mailto:admissions@jcu.edu.au)

## Fees

Study fees can be intimidating, but JCU is here to help. You can pay all or part of your fees upfront or, if you are eligible, you may defer payment of your course fees through the HELP scheme. The JCU Student Centre team can help you find out what financial support options are available, including the HECS-HELP and FEE-HELP loan schemes.

Each unit of study is classified into a student contribution band, depending on the study area of the unit (this may be different from the study area of your course). Annual tuition fees equate to 24 credit points. Tuition fees may increase each year.

Band	Study area	Per subject <sup>1</sup>	Maximum amount per year <sup>2</sup>
3	Law, Accounting, Commerce, Dentistry, Medicine, Veterinary Science	\$1,394	\$11,155
2	Mathematics, Statistics, Computing, Built Environment, Other Health, Allied Health, Science, Engineering	\$1,190	\$9,527
1	Humanities, Behavioural Science, Clinical Psychology, Foreign Languages, Social Studies, Visual and Performing Arts	\$835	\$6,684
1	Education, Nursing <sup>3</sup>	\$835	\$6,684
1	Education, Nursing <sup>4</sup>	\$668	\$5,348

<sup>1</sup> (3 credit points) <sup>2</sup> (24 credit points)

<sup>3</sup> Students who commenced on or after January 2010

<sup>4</sup> Students who commenced prior to January 2010





### STUDENT SERVICES AND AMENITIES FEE (SSA FEE)

The Student Services and Amenities Fee (SSA Fee) improves services and facilities for students. Your fee statement and tax invoice can be found via your eStudent account, as well as the due date and how to pay.

You may be eligible to defer payment of your SSA Fee with a SA-HELP loan.

### INCIDENTAL FEES

You may need to purchase items or pay for activities relating to your course. These purchases are not covered by your tuition fees. Compulsory purchases can include software, accommodation for placement, travel, and technology such as a laptop. A benefit of studying at JCU is that living expenses in Cairns or Townsville are often more affordable than living in a capital city.

## Financial support

Don't let fees stand in the way of your future. Financial support options help with the cost of studying. You may be able to defer payments, get a loan, or receive government assistance.

### HECS-HELP LOAN

HECS-HELP is a Commonwealth Government loan program designed to defer payment of subject fees. You will have to repay your loan once you begin earning an income above the compulsory repayment threshold.

HECS-HELP is available to Australian citizens, permanent humanitarian visa holders, and some New Zealand citizens. Students must have a Commonwealth supported place (CSP) to be eligible.

### FEE-HELP LOAN

FEE-HELP is a government loan program similar to HECS-HELP. However, students do not have to have a CSP to be eligible for FEE-HELP. You must be an Australian citizen, a permanent humanitarian visa holder, or a New Zealand citizen who meets certain criteria.

Trained overseas professionals who want to undertake bridging study at JCU and have met specific eligibility criteria can also apply for FEE-HELP. You will have to repay your loan once you begin earning an income above the compulsory repayment threshold.

### OS-HELP LOAN

An OS-HELP loan is administered by the Australian Government to allow students to study part of their course overseas. Students may receive up to two OS-HELP loans, and may also receive a supplementary loan to study the language of their host country.

Students must have a CSP and meet the eligibility criteria. The loan amount will be added to your accumulated HELP debt.

## Scholarships and financial aid

### SCHOLARSHIPS AND GRANTS

You don't have to face your fees alone. Explore the range of financial support available to JCU students. Scholarships, bursaries, and grants are offered to assist financially, and we have a variety of options for students starting their first degree at JCU.

JCU offers many scholarships and grants. Government departments and industry groups also offer external scholarships. JCU administers the Commonwealth Scholarship Program for Australian Aboriginal and Torres Strait Islander students on behalf of the Australian Government. These scholarships support Indigenous students to have improved access to higher education. Find out more at [jcu.edu.au/scholarships](http://jcu.edu.au/scholarships)



# Pathways to JCU

## Haven't studied for a while?

In just one semester you can get university ready with academic skills, confidence, and know-how—for free. If you didn't finish high school, haven't studied for a while, or you're not confident learning online, the Tertiary Access Course (TAC) will set you up to thrive at university.

Experienced and friendly staff will show you the ropes in small classes. Start your degree feeling cool and in control. Essential IT skills will prepare you to focus on your study, not on computer problems.

Learn about life at university without paying fees. This course can be completed in one semester full-time, or study part-time for more flexibility.

What it offers	What you gain
A free, one-semester (14 weeks full-time course (part-time available))	Knowledge about university life without having to pay the fees
Small class sizes	Improved academic skills, including computing and IT knowledge
Advice and support from staff before and during the course	Confidence to study at university

## Fast-track your transition

The Diploma of Higher Education is a stepping stone between your current qualifications and your chosen Bachelor degree. With coursework designed to prepare you for university and credits that can count toward your chosen degree, you will gain a recognised qualification and entry into your chosen degree in just one year.

Complete first-year subjects and gain course credits to fast-track your undergraduate degree. The induction program will aid your transition to university and staff will provide you with advice and support throughout your course. Enter your undergraduate degree with a head start in course credits, confidence, and composure.

If you apply for a course through QTAC, you may receive a Packaged Offer. A Packaged Offer provides you with a pathway to study your chosen degree, even if you don't have the prerequisites. A Diploma of Higher Education is the first phase of the package and is a way to smoothly transition from beginning university study through to starting a Bachelor degree.

### AVAILABLE STUDY AREAS

- Business
- Business Studies
- Education
- Engineering and Applied Science
- General Studies
- Health
- Information Technology
- Psychological Science
- Science
- Social Work
- Society and Culture



What it offers	What you gain
One-year full-time study (part-time available)	A recognised qualification
Preparatory and first-year subjects	Entry to many JCU Bachelor's degrees
Advice and support from staff before and during the course	Additional credit from subjects
Induction program to support transition to university	Relevant skills and knowledge for your degree
Tailored study plans to suit the specific undergraduate degrees	A confident grasp on the requirements of university study

## Bridging Subjects

If you don't meet the prerequisites for your preferred course, bridging subjects can fill the gaps in your knowledge. You can check these on the course page of the JCU website.

You can study mathematics and chemistry bridging subjects on campus at JCU Cairns and JCU Townsville.

Find out more at [jcu.edu.au/pathways-to-university/maths-and-chemistry-preparatory-and-bridging-subjects](https://jcu.edu.au/pathways-to-university/maths-and-chemistry-preparatory-and-bridging-subjects)



*“I’m so happy that I went for the Diploma of Higher Education as it better prepared me for study. The lecturers and tutors have been so approachable, and the coursework has been designed to support your entry to academia. My peers were from a variety of backgrounds so everyone brought something to the table.”*

**Rebecca Ottone**

DIPLOMA OF HIGHER EDUCATION STUDENT



# Apply to study at JCU

*Wherever you're at in your study or career – whether you're leaving school, looking to progress in your career, upskill, or change your path entirely – there's a place at JCU for you.*



## Choosing your course and applying

### 1.

#### How to apply

Once you've decided which course you wish to study, you can start the application process.

Applications for Semester 1 (February intake) 2021 will open this August. Many courses accept enrolment in Semester 2 (July intake). Mid-year applications close in July, for immediate start.

##### For full information on courses and how to apply

[jcu.edu.au/applying-to-jcu](http://jcu.edu.au/applying-to-jcu)

Apply through Queensland Tertiary Admissions Centre (QTAC). You can choose up to six courses for your QTAC application, which you order according to your preference. Find out more about preferences at [qtac.edu.au/applying/apply-here/preferences](http://qtac.edu.au/applying/apply-here/preferences)

##### SPECIAL DEADLINES/APPLICATIONS

The JCU courses listed below require an additional application that you must send directly to JCU.

- Bachelor of Dental Surgery
- Bachelor of Medicine, Bachelor of Surgery\*
- Bachelor of Physiotherapy
- Bachelor of Veterinary Science

##### Application deadline: 30 September 2020

Download the additional application forms at [jcu.edu.au/division-of-tropical-health-and-medicine/application-forms](http://jcu.edu.au/division-of-tropical-health-and-medicine/application-forms)

\*Shortlisted applicants are also required to attend an interview

### 2.

#### Accept your offer

Once your application is assessed and approved, you'll receive an offer via email.

Offers are made periodically in line with QTAC offer rounds. You can check the status of your application at

[applications.qtac.edu.au](http://applications.qtac.edu.au)

##### ONCE YOU RECEIVE YOUR OFFER:

1. Log in to your application at [applications.qtac.edu.au](http://applications.qtac.edu.au)
2. Accept your offer
3. Click on 'Enrol at JCU Now' to activate your offer

### 3.

#### Welcome to JCU

Once you have accepted your offer, you can finalise your enrolment at [jcu.edu.au/new-students](http://jcu.edu.au/new-students)

Explore the range of support services and learning resources, and to find helpful tips for your transition to uni, at [jcu.edu.au/getready4uni](http://jcu.edu.au/getready4uni)

JCU advisors can guide you through your new student experience.

To talk to a JCU advisor, call 1800 246 446

#### Mature students

The term *mature students* includes anyone who finished school over a year ago. Whatever your academic qualifications, there is a way for you to study at JCU.

If you have the skills, maturity, and commitment needed for successful tertiary study, but do not have the formal academic qualifications, you can still pursue your goals at JCU.

Whether you want to boost your current career, or enter into a different industry, your work experience can be enough for you to enter a JCU Pathway course, which can lead to a Bachelor's degree.

[jcu.edu.au/pathways-to-university](http://jcu.edu.au/pathways-to-university)

You have the option to sit the Special Tertiary Admissions Test (STAT) via QTAC, which is an aptitude test and may show you are ready to step straight into a Bachelor's degree. You can combine your STAT results with your previous employment experience in your application.

If you have existing qualifications or work experience, you may be able to apply for credit to fast-track your degree. Once you're accepted into your course, your application will be assessed for credit.

##### For more information

[jcu.edu.au/future-students/Mature-Students](http://jcu.edu.au/future-students/Mature-Students)

*"I had completely forgotten how to study. However, I got through because the people and resources at JCU are so good. I had a wonderful mentor who inspired me to become a mentor as it helped me adjust so well. I always thought that JCU believed in my capabilities before I knew what I was capable of achieving."*



##### Laura Fewtrell

BACHELOR OF SPORT AND EXERCISE SCIENCE



# Undergraduate degrees and diplomas

## What is a degree?

A degree is a qualification awarded to students who successfully complete a series of requirements set by a tertiary institution. Degrees are awarded in varying levels of qualification, and lead to a wide range of career options and employment prospects. JCU offers undergraduate and postgraduate degrees across multiple disciplines.

## Undergraduate degrees

An undergraduate degree is a course in which you develop a high level of knowledge and expertise in a field of study. Undergraduate degrees offered by JCU include the Diploma of Higher Education or a Bachelor's degree, both of which qualify students for further study.

## Diploma of Higher Education

The Diploma of Higher Education is a one-year undergraduate course. The Diploma of Higher Education provides a pathway to studying a Bachelor's degree for students who do not meet academic requirements to study a Bachelor's degree, or have not studied in a while. The Diploma consists of various introductory and first-year degree subjects to prepare students for entrance into a Bachelor's degree.

## Bachelor's degree

A Bachelor's degree is an in-depth course that can take between three to five years to complete full time. JCU offers a variety of Bachelor's degrees across a broad range of disciplines. A Bachelor's degree can lead to postgraduate study, as well as advanced career options.

## Majors and minors

A major is an area of study that you specialise in during your degree. Depending on your course, you may be required to choose a single or double major from a list of specified majors.

An example of a single major is:

Bachelor of Science, majoring in Marine Biology

An example of a double major is:

Bachelor of Arts, majoring in English and History

You may also be required to choose a minor. A minor is an area of study that you specialise in to a lesser extent that complements your major.

Your major/s and minor allow you to hone a specific skill set, and set you up to succeed in a field that interests you.

## Subjects

Your degree consists of a specified number of subjects. A subject usually takes one university semester to complete and can include weekly lectures, tutorials, seminars, and/or practical classes. A three-year full-time course typically consists of 24 subjects.

## Credit for previous study

If you have completed previous study or work experience, you may be eligible to transfer credit to your current degree. This will help you to complete your JCU degree sooner and save on overall course fees. For more information on eligibility and how to apply for credit, see [jcu.edu.au/apply-for-credit](https://jcu.edu.au/apply-for-credit)

## Study modes

JCU offers a variety of study modes to help you succeed. Study either on campus or online with our flexible delivery modes. Complete your degree at your own pace – JCU offers both full-time and part-time study loads to fit in with busy lifestyles. You may be able to fast-track your studies by completing some subjects in block mode. Block mode or intensive mode subjects are run in short study periods usually in the semester break, and are equivalent to subjects offered over the 13-week period.

For more information on flexible delivery modes, see [jcu.edu.au/flexible-study](https://jcu.edu.au/flexible-study)

## Mid-year enrolment

Mid-year enrolment is available for many of our undergraduate courses. Check out the Undergraduate Degrees table on pages 74-77 for more information.

## Assessment

The skills and knowledge you learn at JCU are assessed through a number of methods. These include written essays, written examinations, oral presentations, group projects, practical examinations, laboratory reports, and professional placements. You will be required to meet a satisfactory level of achievement in your assessment to earn credits for your subjects and graduate from your degree.

## Career outcomes

Maximise your employability with the help of JCU's expert staff. Our Careers and Employability team are here from day one to help you network, promote your skills, and prepare for the workforce. Once you have graduated, you will continue to receive support as you apply for and secure your dream job.

For more information on the career support available at JCU, see [jcu.edu.au/careers-and-employability](https://jcu.edu.au/careers-and-employability)



# JCU Global Experience

## Study overseas

Want to get the most out of your degree? Make a lifetime of memories and earn your degree at the same time. The JCU Global Experience Program helps students develop the knowledge, skills, and disposition to succeed in a global workforce. Open your mind to exotic locations, unique experiences, and extraordinary people. Complete a placement or short course, or spend an entire year abroad.

## Intercampus Exchange Program

Enhance your JCU experience by attending JCU Singapore. Spend up to two semesters experiencing the diverse culture of this vibrant country while learning from the best at JCU Singapore. If you study a different discipline, you can use your electives to form a study plan.

## Outbound Exchange Program

Broaden your horizons, develop your language skills, and build your global network through JCU's Outbound Exchange Program. JCU has partnered with more than 60 world-class universities across Europe, Asia, the South Pacific, and the Americas. Spend one or two semesters as an exchange student, and study subjects that can be credited towards your degree.

## Short study programs

Prefer a short-term trip? Several of JCU's partner universities offer short programs or placements of 2-6 weeks that can be credited towards your JCU degree. Depending on what you study, you could complete a short course or placement in locations such as Ecuador, Germany, Japan, South Korea, or England. Short study opportunities are also available through various Australian organisations. [jcu.edu.au/global-experience](http://jcu.edu.au/global-experience)

## Scholarships and loans

There are a range of scholarships and loans available for all Global Experience programs. The New Colombo Plan (NCP) is an Australian Government initiative that provides opportunities for Australian undergraduate students to study, participate in internship and mentorship opportunities, and learn a new language in the Indo-Pacific region. You can apply for a scholarship, which can include a travel allowance, monthly stipend, and support for language training for both semester-based and short-study programs. There are also a range of other scholarships that you can apply for that are applicable to particular programs and institutions. In addition to a scholarship, you could be eligible to receive the OS-Help Loan to assist you with your overseas study expenses.

## Locations

Austria	Malaysia
Cambodia	Mexico
Canada	Netherlands
China	New Caledonia
Colombia	Norway
Denmark	Papua New Guinea
Ecuador	Samoa
England	Scotland
France	Singapore
French Polynesia	Slovenia
Germany	Solomon Islands
Hong Kong	Sri Lanka
India	Sweden
Italy	Taiwan
Indonesia	Thailand
Fiji	United States of America
Japan	Vanuatu
Laos	Vietnam



*"I wanted to experience life on the other side of the world. I even had the opportunity to volunteer in a lab whilst I was there. Being taught by world-renowned scientists and meeting a bunch of like-minded people made my exchange experience - I now have friends all over the world."*

**Kathryn McKenna**

BACHELOR OF SCIENCE – MARINE BIOLOGY  
Exchange @ University of Miami



# Arts and Social Sciences

JCU Humanities, Creative Arts and Social Sciences empower critical and creative thinking. Our graduates have strong analytical skills and a solution-based approach so they are ready today, for tomorrow.

## Support to succeed

JCU was independently awarded five-stars for student support and learning resources<sup>^</sup>

<sup>^</sup>Good Universities Guide 2020

## Transferrable skills

Expand employability opportunities through elevated thinking

## Think global

develop a cross-cultural understanding of your field that enhances your expertise

## Bachelor of Arts

Fees: \$10,701\* | ATAR/OP: 59.4/16

### WHAT TO EXPECT

- Learn to think creatively, analyse effectively, and build the cross-cultural communication skills necessary to work in today's modern society. Develop your critical judgement to respond to social, cultural, and political issues and build a career with impact.
- Learn from world-class lecturers and experience small, friendly classes and personalised support. You may also have the opportunity to explore the world through overseas field trips.
- Choose from 14 majors spanning creative arts, humanities, and social sciences. You will study a selection of core subjects alongside your preferred major. You can choose a second major, or select two minors, which can complement your studies, or broaden your area of expertise.
- JCU Arts graduates are recognised for reflective and analytical thinking, strong communication skills, and exceptional research abilities highly valued across many industries, including media, foreign policy, education, defence, land management, community planning and development, social planning, health care, tourism, and more.

You might be interested in combining your passion for Arts with skills in business, law or science by studying a joint degree, such as a Bachelor of Arts-Bachelor of Business, Bachelor of Arts-Bachelor of Laws, or Bachelor of Arts-Bachelor of Science.

### MAJORS

#### Anthropology

Study history, languages, politics, economics, and social systems. Understand cultural and ethnic differences, and analyse how people's beliefs fit into a wider social, political, and economic context. Learn the research, observation, and interview techniques that will equip you to work with people from diverse cultural backgrounds. Develop skills that are critical in decision-making for governments, corporations, and not-for-profit organisations.



#### Archaeology

Develop skills in archaeological investigation and research as a basis for employment in the field in Australia. Benefit from opportunities to participate in a variety of field trips in Australia and Southeast Asia. You will learn the fundamentals of archaeology, then expand on this knowledge with more specialised offerings in evolutionary, forensic, Asian, Australian, and European archaeology.



#### Criminology

Learn why people are motivated to commit crime, and explore strategies to prevent law-breaking and rehabilitate offenders. Throughout your studies, you can participate in a wide range of extracurricular criminology student activities. This course equips you with skills to help make a difference in your community. Not all subjects in this major are available internally, and you will need to take some subjects externally.



\* Estimated annual fee, plus Student Services and Amenities Fee. Fee deferral and scholarships available if eligible

#### LEGEND

-  JCU Cairns
-  JCU Townsville
-  Study online
-  JCU Singapore
-  JCU Brisbane
-  Start Semester 1
-  Start Semester 2
-  Course duration in years
-  Professional placements
-  Professional accreditation
-  Work Integrated Learning (WIL)
-  Field trips
-  Clinical placements



*“Learning has been the highlight of university. I have enjoyed all of my subjects, especially the core Bachelor of Arts subjects, which were fascinating.”*

**Tracy Hough**

BACHELOR OF ARTS, MAJORING IN ENGLISH AND ANTHROPOLOGY

### Design and Creative Arts

Amplify your creativity and develop skills for a stimulating career in the rapidly-expanding online design space. Contribute to project management in the creative industries by using technical equipment and software. Communicate with others through original works of art. You will complement core subjects with a range of specialisations, which vary between campuses. Cairns students focus on the visual arts and digital imaging fields. Townsville students will focus on design and innovation.



### English

Investigate and explore the riches of literature across the ages. You will develop your understanding of the English language, and gain a high level of communication and reasoning skills while growing your passion for reading and writing. JCU English major students examine a wide range of literary periods and genres that provide a comprehensive source of historical and cultural understanding.



### History

Engage with the past to develop skills in critical thinking, research, and communication. You will develop an understanding of the present world by examining past societies and cultures. Assess evidence and sources both physically and online, and refine your ability to communicate ideas in a range of formats including digital projects.



### Human Geography

Explore the interrelationship between people and their natural and built environments. Develop specialist skills including urban planning and design, regional sustainability, and social and environmental impact assessment. Become proficient in identifying problems, evaluating explanations, analysing data, and relevant computing techniques. Graduates understand how to develop recommendations to solve major social and environmental problems.



### Human Services

Develop skills that will prepare you to work with marginalised and vulnerable people. Study social policy, community planning and development, education and capacity building, organisational practice, and social responsibility. Benefit from JCU's research culture and working relationships with government agencies and local community groups. You will gain practical skills and experience through field trips and project work.



### Indigenous Studies

Expand your understanding of the complex interface between Indigenous and Western knowledge, perspectives, and practices in Australia today. Explore Indigenous knowledge and traditions, colonial disruptions, and Indigenous re-assertion in the current era, from the local to the global. Some subjects include field trips, and one includes an optional international trip to an Indigenous community. Graduates are prepared to engage thoughtfully with Indigenous Australians and Indigenous issues in professional and community spaces.



### Modern Languages

Become fluent in French, German, Italian, or Japanese, and gain valuable skills relevant to the globalisation of today's society. In each language you will study listening, reading, speaking, and writing skills through critiquing text, films, and television programs. Immerse yourself in the language with opportunities to study abroad for six months at one of JCU's partner universities. You do not need prior knowledge of the language to undertake this major, which offers foundation to advanced levels.



### Multimedia Journalism and Writing

Gain the knowledge to succeed in the fast-paced creative and news media environments. Learn from published writers, researchers, and journalists to write creatively about unique environments and complex topics. Study topics like writing for multimedia, short story writing, media law and ethics, public relations campaigns, broadcast journalism, and the sociology of digital environments. Graduates are skilled in creative writing, editing, critical reading, filming, storyboarding, and effective writing.





# Arts and Social Sciences

## Politics and International Relations

Expand your knowledge of political processes, foreign relations, diplomacy, globalisation and international politics. Explore issues such as human rights, ethnic relations, war and conflict, the ongoing legacies of historical events on contemporary politics, and politics in the developing world. Learn the skills you need for a career in defence, diplomacy, ethnic affairs, human rights and development, intelligence and international trade.



## Psychology Studies

Gain a deeper understanding of the biological, social and cultural factors that influence how humans think, feel and behave. Explore the history of psychology, the nervous system, memory, cognition, intelligence, motivation, emotion, health psychology, personality and psychological disorders. This major is not accredited, if you want to become a Registered Psychologist, find out more about the Bachelor of Psychological Science (Honours). This major is not available at Cairns campus.



## Sociology

Develop the analytical tools to learn how society is organised and how we experience life with each other. Study social trends and understand why and how societies and institutions have developed through history. Gain social science research skills and explore a diverse range of topics. Examine the social issues in the Tropics choosing to study topics including race, gender identity, poverty and wealth.



*“The Bachelor of Arts is the degree for the 21st century. For anyone who wants to prepare for the future, the Bachelor of Arts allows you to broaden yourself and develop understandings to deal with the challenging questions facing humanity. You can tailor your degree in line with your own interests. You have the flexibility to study a range of subjects.”*

**Rosita Henry**

PROMOTIONAL CHAIR, ANTHROPOLOGY LECTURER

\* Estimated annual fee, plus Student Services and Amenities Fee. Fee deferral and scholarships available if eligible

### LEGEND

JCU Cairns	JCU Townsville	Study online	JCU Singapore	JCU Brisbane	Start Semester 1	Start Semester 2
Course duration in years	Professional placements	Professional accreditation	Work Integrated Learning (WIL)	Field trips	Clinical placements	





*“Not only does the Bachelor of Arts have a subject inbuilt dedicated to teaching us how to transfer our skills from our degree to future work, but the things I learned along the way including communication, cross-cultural awareness, critical thinking, and research have proved a significant advantage in my career. I have yet to find a job in which the skills and knowledge I learned in my course haven’t been useful. The Bachelor of Arts gave me the ability to explore my interests and see where they could take me.”*

**Rebekah Lisciandro**

BACHELOR OF ARTS, MAJORING IN SOCIOLOGY



# Biomedicine

JCU Biomedical Sciences is a leader in experiential learning. Develop skills with a world-class education in the genome, microbiome, and metabiome – linked to the cell and health of a living organism. Highly valued by employers, our graduates are at the leading edge of health and the human body.

## Superior study

Learn and work in the state-of-the-art, JCU Australian Institute of Tropical Health and Medicine

## Value equality

Understand how to serve urban, rural, remote and regional communities

## Contemporary knowledge

Study generalist biomedicine before specialising in your third year

## Bachelor of Biomedicine

Fees: \$9,527\* | ATAR/OP: 65.4/14

### WHAT TO EXPECT

- Gain a thorough understanding of the relationship between science and medicine, with an emphasis on biomedical science in the tropics. Use your degree as the foundation to a career in laboratory research, as a pathway to other health professions, or continue to higher research studies.
- Study human biology, from molecular to whole-body systems, and understand how the body responds to disease. Choose from one of four specialised majors, and learn leading research techniques and skills from world-class medical professionals.
- Acquire practical work skills learning 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.
- Graduates pursue careers in various areas, including laboratory support in the medical or clinical sciences as pathology assistants, and cardiac, respiratory, sleep, or renal physiologists. You could find employment as a research assistant, laboratory technician, scientific journalist, teacher, or patent lawyer.

### MAJORS

#### Molecular and Cell Biology

Study and apply the theories of modelling natural systems, quantitative methods in science, molecular genetics, and cell biology. Consolidate and extend your knowledge by studying the molecular basis of disease, bioengineering, and bioinformatics. Choose from specified elective subjects to further develop your interests, including the option of completing an advanced research project.



#### Microbiology and Immunology

Gain the skills and knowledge in the theories of epidemiology, molecular genetics, cell biology, and advanced immunobiology. Extend your knowledge by understanding and analysing the theories of infectious diseases and tropical microbes. Choose from specified elective subjects to further develop your interests.



#### Medicinal and Pharmaceutical Sciences

Explore the general principles of drug action, molecular genetics, and cell biology. You will build a comprehensive knowledge of medicinal chemistry and pharmaceutical analysis. In your third year, you will consolidate and extend your knowledge and skills by completing a research project. Graduate with an in-depth understanding of organic chemistry mechanisms and how to apply Biomedical Science principles.



#### Physiology and Pharmacology

Advance your understanding of the theories of epidemiology, molecular genetics, cell biology, and pathobiology, and choose from specified elective subjects. Gain the knowledge and skills to understand and apply pathophysiology and therapeutics theory. In your third year, you will consolidate and extend your knowledge and skills by designing and completing a research project.



\* Estimated annual fee, plus Student Services and Amenities Fee. Fee deferral and scholarships available if eligible

#### LEGEND

- |                          |                         |                            |                                |              |                     |                  |
|--------------------------|-------------------------|----------------------------|--------------------------------|--------------|---------------------|------------------|
| JCU Cairns               | JCU Townsville          | Study online               | JCU Singapore                  | JCU Brisbane | Start Semester 1    | Start Semester 2 |
| Course duration in years | Professional placements | Professional accreditation | Work Integrated Learning (WIL) | Field trips  | Clinical placements |                  |



*“I started in Med Lab and it’s really great because in the first two years there’s a lot of flexibility, so you can switch between Med Lab, Bio Med, or Clinical Sciences. I went more towards Clinical Sciences because it was more patient based. I really like physiology, that was my passion. So, it drew me towards Clinical Sciences.”*

**Justin Jones**

BACHELOR OF CLINICAL SCIENCES

## Bachelor of Clinical Sciences (Honours)

Fees: \$9,527\* | ATAR/OP: 69.15/13

### WHAT TO EXPECT

- Gain the skills and knowledge required to provide vital scientific evidence to health professionals like General Practitioners, Physiotherapists, and Occupational Therapists. Learn the principles of medicine, chemistry, biology, and experimental science, and become an expert in scientific enquiry.
- In your third year, you will choose from specialised electives to suit your interests. In your final year, work directly with real-world patients in both urban and rural practical placements, and provide services for rural and remote communities.
- Become a clinical scientist and make a difference. Clinical Sciences graduates are flexible, uniquely-equipped professionals who contribute valuably to both healthcare teams and scientific discovery.

The Honours component of this degree is embedded into the course.



## Bachelor of Medical Laboratory Sciences (Honours)

Fees: \$9,700\* | ATAR/OP: 69.15/13

### WHAT TO EXPECT

- Be at the cutting edge of scientific progress in health and diagnostics with the Bachelor of Medical Laboratory Science (Honours). Become qualified to work anywhere in Australia with this degree, fully accredited by the Australian Institute of Medical Scientists (AIMS).
- Understand the relationship between microbiological, haematological, and chemical testing in the diagnosis of disease in clinical and health-care settings. Gain practical experience in public hospitals and private laboratories, and build professional networks which will help advance your career.
- Combine theoretical studies in fields including microbiology, histology, molecular biology, haematology, and transfusion science, with essential skills in quality assurance and laboratory management.

The Honours component of this degree is embedded into the course.





# Business

JCU Business is a leader in building practical, professional skills and knowledge. A strong focus on professional development and multidisciplinary education enables our graduates to excel. Succeed in enterprise across a diverse range of commercial, government, and civil society endeavours.

## Work in industry

Complete an internship or project sourced from industry

## Prepare for success

Start a professional development program in your first year

## Work anywhere

Gain expertise in a range of fields through a multidisciplinary approach

## Bachelor of Business

**Fees:** \$10,900\* | **ATAR/OP:** 59.4/16

### WHAT TO EXPECT

- Designed to equip you with the skills to start a successful career, this business course has a strong focus on real-world experiences. Be competitive in the workplace with a degree that gives you an understanding of all the elements required for managing sustainable business.
- Learn how decisions you make contribute directly to the organisation's success. You will be empowered with knowledge of how to become a leader in business and understand the pillars of a sustainable business model.
- In your first year, you will study core subjects relevant to all business majors. You can then tailor the degree to suit your interests by selecting your preferred major and various combinations of a second major or a maximum of two minors.
- Your skills are relevant to a large number of industries as a business graduate. You could pursue a career as a business intelligence analyst, a stockbroker, a governance consultant, an events manager, a tourism officer, or a human resource manager.

You may also be interested in Bachelor of Business-Bachelor of Laws, Bachelor of Business-Bachelor of Psychological Science, or Bachelor of Arts-Bachelor of Business.

### MAJORS

#### Business Intelligence and Information Systems

Learn how to integrate information technology systems and data into business strategies, and be integral to your organisation's operational strategy. As a business intelligence analyst, you will have the knowledge needed to use data for marketing purposes, create cost-effective systems, and identify business opportunities. You will work in the digital space to manage information systems, large amounts of data, and information security. With the ever-increasing use of technology and the importance of data and data security, you will be highly employable in a growing industry.



#### Hospitality and Tourism Management

Stand out from the crowd with this major and manage tourism and hospitality attractions, tours, events, and services. You will gain the professional knowledge and expertise to manage, plan, and market the food, recreation, accommodation, and tourism industry. By understanding the decision-making process of your guests, you will have the ability to create amazing travel or event experiences. You will study the intricacies of conference and event management, and the logistics and operations behind hospitality.



#### Human Resources Management

Discover what makes people tick and how you can boost their performance in organisations. Get the competitive edge in business. By understanding human behaviour, you will learn about the value of employees to a workplace. Learning how to effectively communicate, develop positive employment relations, and manage organisational change will make you stand out from the crowd. Your passion for human resources can take you across industries in Australia and around the world.



#### International Business


Build invaluable skills for managing business on an international scale. Your love of developing strategies and planning for short- and long-term projects will see you operating multi-national enterprises. Develop an in-depth understanding of the challenges, advantages, and issues of conducting business in a complex global environment. With the skills to work in the exciting international arena, you can build a sustainable, competitive business position in the international marketplace.



\* Estimated annual fee, plus Student Services and Amenities Fee. Fee deferral and scholarships available if eligible

#### LEGEND

- |  |   |  |  |   |   |  |
|--|---|--|--|---|---|--|
|  JCU Cairns               |  JCU Townsville          |  Study online               |  JCU Singapore                  |  JCU Brisbane |  Start Semester 1    |  Start Semester 2 |
|  Course duration in years |  Professional placements |  Professional accreditation |  Work Integrated Learning (WIL) |  Field trips |  Clinical placements |  |



*“Studying a degree in business allows someone to gain strong foundations and knowledge that can be used across several different roles in many different industries. The opportunities can be endless. The most enjoyable part of the Bachelor of Business was being able to participate in field trips, where I was able to visualise the theory of the course being implemented into real-life scenarios and business operations.”*

**Alison McLeod**

BACHELOR OF BUSINESS, MAJORING IN HUMAN RESOURCES MANAGEMENT, ALUMNI



# Business

BUSINESS

## Management

Find out how to use your love of innovation, entrepreneurship, and people management to strengthen your employability skills. Giving you the edge to lead businesses in highly-competitive environments, you will learn how to solve complex organisational problems, plan effectively, and hire the right employees. Develop the skills to manage finances and resources, and direct business operations in a fast-paced setting. You will learn to manage people and workflow — transferable skills important to running a business or team in any industry.



## Marketing for the Digital Age

Get the skills to speak directly to your customers through traditional advertising, digital marketing and social media. Your creativity and understanding of people will help you become an effective marketer, fulfilling the needs of your customers or growing a new customer base. Develop industry knowledge by creating sustainable marketing strategies for real-world businesses. You will learn how to build a target audience profile and create advertising that focuses on your customers. Marketing skills are fundamental for growing a business in the private, public, and non-profit sectors.



## Sports and Events Management

Be involved in the exciting, fast-paced environment of the sporting and events industries. You will learn how to create, organise, and coordinate sports, business, and public events on both a small and large scale. Events are central to local economies and tourism; you will work within a dynamic global industry that is growing exponentially. Benefit from our strong industry connections with a major designed to meet employer needs by providing first-hand practical experience. With a diverse choice of subjects, you can tailor your degree and specialise in your preferred industry.



## Bachelor of Business and Environmental Science

Fees: \$9,808\* | ATAR/OP: 63.2/15

### WHAT TO EXPECT

- Develop skills that allow you to integrate and apply theoretical and technical knowledge of business and environmental science, and apply in-depth knowledge of sustainability principles in tropical contexts.
- Explore the important and challenging work of balancing profit, policy, and conservation with the Bachelor of Business and Environmental Science. Study the effects of human behaviour on climate, and learn to plan and lead sustainable business practices.
- Integrate environmental science with the ability to create sustainable and competitive business practices. Focus on sustainability principles in tropical contexts in our internationally-renowned centres of tropical environmental science.

### MAJORS

#### Aquaculture

Benefit from access to the Marine and Aquaculture Research Facility for the hands-on discovery of the sustainable practices of aquaculture. Students explore the scientific and practical applications of breeding, rearing, and harvesting of plants and animals in all types of water environments. JCU graduates have a deep understanding of the biodiversity of species, the design of aquaculture systems, and the basics of nutrition.



\* Estimated annual fee, plus Student Services and Amenities Fee. Fee deferral and scholarships available if eligible

#### LEGEND

-  JCU Cairns
-  JCU Townsville
-  Study online
-  JCU Singapore
-  JCU Brisbane
-  Start Semester 1
-  Start Semester 2
-  Course duration in years
-  Professional placements
-  Professional accreditation
-  Work Integrated Learning (WIL)
-  Field trips
-  Clinical placements



*“I work for PwC’s Indigenous Consulting, which is a majority-owned and staffed Indigenous consulting business. It has offices all over Australia. It is partly owned by PwC, which is one of the largest professional services firms in the world. I’ve been with PwC’s Indigenous Consulting for five years now.”*

### Gresham Congo

BACHELOR OF BUSINESS, MAJORING IN ACCOUNTING  
(NOW THE BACHELOR OF COMMERCE, MAJORING IN ACCOUNTING)

## Bachelor of Commerce

Fees: \$10,900\* | ATAR/OP: 59.4/16

### WHAT TO EXPECT

- Build a creative and innovative mindset with a course designed to future-proof a career in commerce. Gain an understanding of foundational concepts of commerce, and pursue your passion in one or two key commerce areas.
- Your skills are relevant to a large number of industries as a commerce graduate. Job opportunities depend on what major you decide to specialise in. You will have the ability to understand the importance of data-driven decision making – a quality highly valued by employers.
- Broaden your horizons and gain a global perspective by completing one semester at JCU Singapore, or at one of our 52 partnering universities around the world. Develop essential job-readiness skills through the work-integrated learning capstone program so that you can graduate with confidence.

### MAJORS

#### Accounting

As an accountant, you will contribute to the most critical function of all businesses and organisations — their financial viability. You will learn how to recognise financial patterns and be an efficient problem solver for all businesses in various industries. Core subjects will give you foundation knowledge of decision making for businesses, analytical skills, and the ability to interpret data. You will gain an in-depth understanding of financial management, business modelling, company accounting, taxation, and auditing.



#### Banking and Finance

Throughout this major, you will study funds management, financial markets, and risk management. You will learn about the different approaches to managing financial institutions, including commercial banks, rural cooperatives, and microfinance institutions. You will have the skills to make decisions that help businesses develop and thrive, and the capacity to work in government, non-government, private, or not-for-profit organisations. With an understanding of international finance and sustainable economic growth, employers will value your theoretical and practical knowledge.



#### Economics

Develop the skills to predict the behaviour of market participants, including governments, competing businesses, and consumers. Become essential to the success of businesses by anticipating the behaviour of market participants. You will explore drivers of economic growth and government policy options to shape that growth, as well as exploring decision-making tools for managers and how to conduct cost-benefit analysis. You will gain knowledge about economics at the individual level by exploring consumer decision making, and the behavioural foundations of those decisions.



#### Financial Advising

The Financial Advising major provides the relevant study you need to become a financial advisor. Gain the analytical skills and specialist business practices required to advise clients on a broad range of financial products and services. With subject offerings that align with the FASEA industry standards, you will attain the capacity to assist your clients to make informed decisions on superannuation, retirement, insurance and estate planning, investments, taxation, and finance.



#### Financial Management

Understand different approaches to financially manage businesses effectively and efficiently. You will learn business modelling, investment portfolio management, financial risk management and multinational business finance. With financial management skills that are transferable to most industries, you can forge your own career pathway. Combine this major with Accounting, Economics, or Business Intelligence and Information Systems to strengthen your skill set.



#### International Trade

Gain a global perspective and develop analytical, communication, and critical thinking skills to pursue a career that crosses borders. Build a strong understanding of the fundamentals of finance and international trade law. Take your place in the global boardroom with skills to explain strategic, interpersonal, and psychological aspects of business negotiation. Learn how to network and influence stakeholders with creative and innovative thinking in the communication of complex business analyses. In an increasingly globalised world, your ability to evaluate and analyse opportunities in international trade will make you a valued employee around the world.





# Dentistry

JCU Dentistry is a leader in health equality. Experience working in a range of settings from rural and remote communities to city areas and international placements. Dentistry graduates work independently in challenging situations.

## Skills development

Skills development 84% of students highly rate this course\*

\*QILT Student Experience Survey 2018-2019

## Be the world of difference

Make an impact in rural and remote health and underserved communities

## Graduate success

JCU Dentistry was awarded five stars for graduate employment<sup>^</sup>

<sup>^</sup>Good Universities Guide 2020

## Bachelor of Dental Surgery

Fees: \$10,193\* | ATAR/OP: Special Entry Requirements

### WHAT TO EXPECT

- Gain a comprehensive education in oral health and health care in Australia, and train to meet the need for highly-skilled dentists in rural, remote, and Indigenous communities.
- Study the foundational theory of dental science and the promotion of oral health care in underserved communities. Train alongside experienced, supportive professionals and explore issues of concern, particularly relating to tropical, rural, and Indigenous practice.
- Be equipped with practical work skills in JCU's world-class dental teaching complex, with a state-of-the-art clinical simulation laboratory. Apply your theoretical knowledge as you assess, diagnose, and perform dental work on real patients.
- JCU Dental Surgery graduates are healthcare practitioners who are sought-after in a variety of healthcare settings. Graduates pursue careers as dentists in various areas including private practice, hospitals, community health services, the Australian Defence Force, education, or research.

The Bachelor of Dental Surgery (Honours) degree is available for high-achieving students.



\* Estimated annual fee, plus Student Services and Amenities Fee. Fee deferral and scholarships available if eligible

### LEGEND

JCU Cairns	JCU Townsville	Study online	JCU Singapore	JCU Brisbane	Start Semester 1	Start Semester 2
Course duration in years	Professional placements	Professional accreditation	Work Integrated Learning (WIL)	Field trips	Clinical placements	



*“The Dentistry program at JCU has a strong emphasis on rural, remote, and Aboriginal and Torres Strait Islander health. Rural clinical placements were very much part of the course, and I enjoyed those experiences. We got a lot of clinical time, which has given us an advantage over graduates from other universities.”*

**Cameron Suley**

BACHELOR OF DENTAL SURGERY ALUMNI



# Education

JCU Education is a leader in providing high-quality professional experience. A focus on offering opportunities to teach in various communities produces graduates who make a difference.

## Set for success

Independently rated five stars for full-time employment<sup>^</sup>

<sup>^</sup>Good Universities Guide 2020

## Unique opportunities

Study and work in rural and remote communities, capital cities and overseas through placements

## Graduate with confidence

Benefit from supportive lecturers and JCU's strong partnerships with Queensland schools

## Bachelor of Education (Early Childhood Education)

Fees: \$6,684\* | ATAR/OP: 73.3/12

### WHAT TO EXPECT

- Gain professional experience in your first year and complete a total of 120 days of workplace learning over the course of your degree. Take advantage of JCU's strong partnerships with childcare centres, kindergartens, preschools, and primary schools to develop your network and build practical job skills.
- Benefit from a wide range of placement opportunities across your degree in regional, rural and remote areas. Develop skills to improve Indigenous education outcomes, and leverage a world-class education into a career that will change lives, including your own.
- When you graduate with your Bachelor of Education (Early Childhood Education), you will have a comprehensive grasp of maths, statistics, and academic reading and writing in addition to your core focus of education.
- Graduates have a nationally-accredited degree that enables them to be employed across Australia. Graduates can pursue careers in education in schools, preschools, kindergartens, and childcare centres.



## Bachelor of Education (Primary)

Fees: \$6,684\* | ATAR/OP: 73.3/12

### WHAT TO EXPECT

- Promote life-long learning in young Australians with the Bachelor of Education (Primary). Benefit from a wide range of placement opportunities across your degree in regional, rural and remote areas. Develop skills to improve Indigenous education outcomes, and leverage a world-class education into a career that will change lives, including your own.
- Focus on the curriculum for children from Prep to Year Six, and experience relevant workplace learning in primary school settings. Gain professional experience from your first year in state, Catholic, and independent schools.
- Participate in placements in a range of school settings, including rural and remote areas to expand your employment options. Learn to critically evaluate and apply contemporary research to provide inclusive learning environments for diverse student needs.
- JCU Education (Primary) graduates are equipped to meet the diverse needs of primary school children from Prep to Year Six. Graduates pursue careers in State, Catholic, and Independent schools across Australia, as well as overseas.

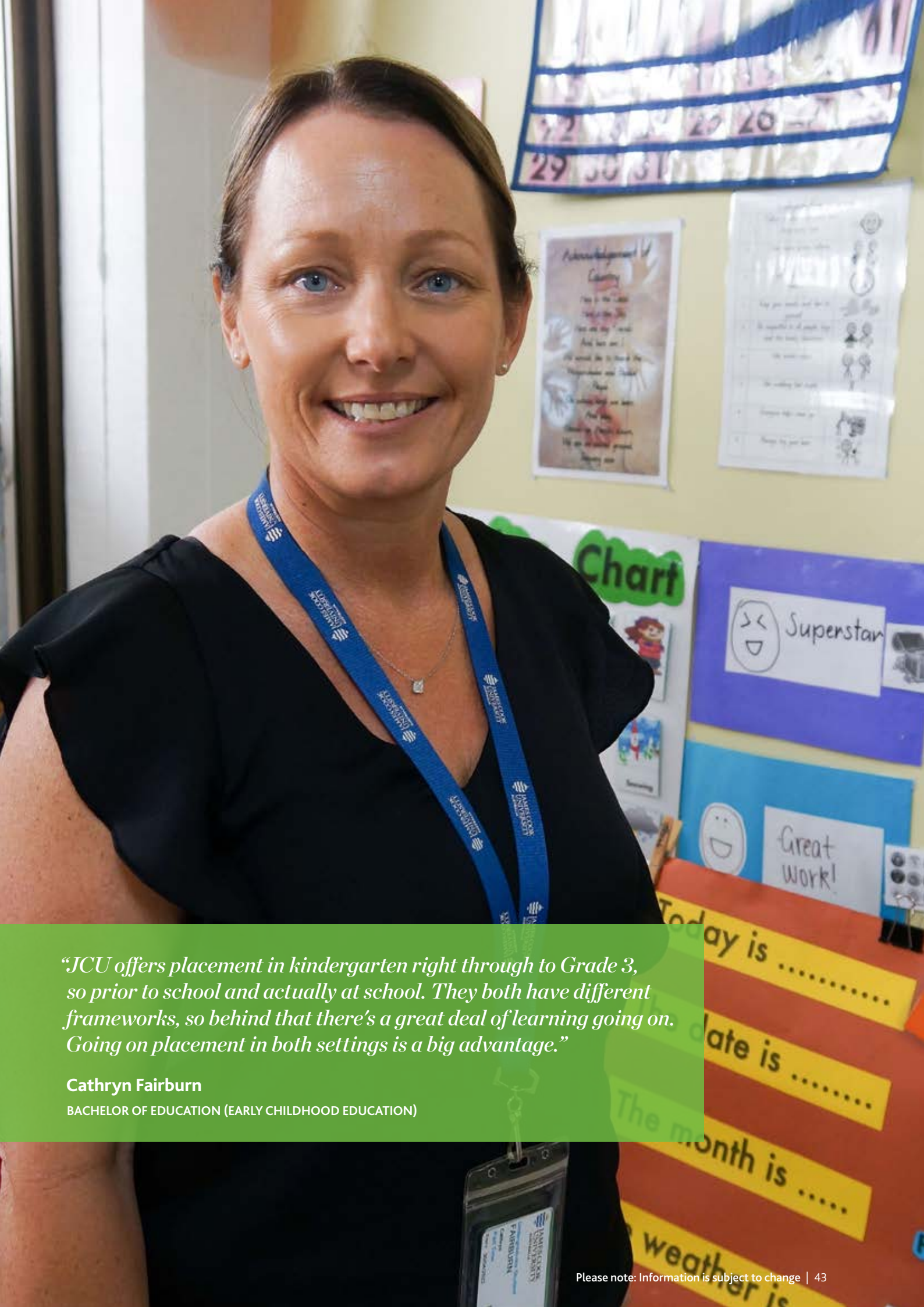
You can choose a specialist strand such as English/literacy, mathematics/numeracy, science, technologies, and health and physical education.



\* Estimated annual fee, plus Student Services and Amenities Fee. Fee deferral and scholarships available if eligible

### LEGEND

- JCU Cairns
- JCU Townsville
- Study online
- JCU Singapore
- JCU Brisbane
- Start Semester 1
- Start Semester 2
- Course duration in years
- Professional placements
- Professional accreditation
- Work Integrated Learning (WIL)
- Field trips
- Clinical placements



*“JCU offers placement in kindergarten right through to Grade 3, so prior to school and actually at school. They both have different frameworks, so behind that there’s a great deal of learning going on. Going on placement in both settings is a big advantage.”*

**Cathryn Fairburn**

BACHELOR OF EDUCATION (EARLY CHILDHOOD EDUCATION)



# Education

## Bachelor of Education (Secondary)

Fees: \$7,235\* | ATAR/OP: 73.3/12

### WHAT TO EXPECT

- Learn to establish positive and engaging learning environments for secondary school students. Benefit from a wide range of placement opportunities across your degree in regional, rural and remote areas. Develop skills to improve Indigenous education outcomes, and leverage a world-class education into a career that will change lives, including your own.
- Gain a full understanding of intercultural and ethical approaches to professional practice. Base your teaching on current research and policy that addresses social justice, diversity, and sustainability.
- Take part in placements in practical settings from your very first year of study, and experience teaching in metropolitan, rural, and remote locations. Make a positive difference in the lives of young people, and improve outcomes for Aboriginal and Torres Strait Islander students.
- Graduates pursue careers both in Australia and overseas, in public, independent, and Catholic schools. You could find employment as a secondary teacher, or pursue roles in education management, government departments, or community development.


As an Education (Secondary) student, you can choose two teaching areas to specialise in, including accounting, biology, business, chemistry, economics, English, French, geography, health and physical education, history, Information Communication Technologies (ICT), Japanese, legal studies, mathematics, music, physics, and visual arts.



\* Estimated annual fee, plus Student Services and Amenities Fee. Fee deferral and scholarships available if eligible

### LEGEND

JCU Cairns	JCU Townsville	Study online	JCU Singapore	JCU Brisbane	Start Semester 1	Start Semester 2
Course duration in years	Professional placements	Professional accreditation	Work Integrated Learning (WIL)	Field trips	Clinical placements	

A young man with short brown hair, wearing a magenta Nike polo shirt, stands in front of a green slatted wall. He is holding a stack of Pearson mathematics textbooks. The text is overlaid on a green rectangular background at the bottom left of the image.

*“About halfway through my degree I switched to major in Maths and minor in HPE, as I discovered I really enjoyed teaching Maths. I love seeing the kids at my school understand and apply something I’ve taught them and their excitement around that. I also made a lot of great friendships at JCU that have continued through into the workplace. Although we’re all working at different schools now, we still collaborate and help each other out.”*

**Damon Green**

BACHELOR OF EDUCATION (SECONDARY), GRADUATE



# Engineering

JCU Engineering is a leader in developing qualified engineers who help solve some of the world's most challenging problems. Exceptional employment outcomes enable graduates to future-proof their career.

## Outstanding outcomes

90 per cent of JCU Engineering graduates are employed full-time after graduating\*

\*College of Science and Engineering 2017

## Exceptional support

World-class lecturers and researchers committed to student success<sup>^</sup>

<sup>^</sup>Good Universities Guide 2020

## Go global

Make a difference locally or globally with an internationally-recognised qualification

## Bachelor of Engineering (Honours)

Fees: \$9,527\* | ATAR/OP: 78.1/10

### WHAT TO EXPECT

- Prepare yourself for the challenges of today and tomorrow through an engineering course shaped by industry. An outstanding graduate employment rate and a strong focus on hands-on skills enables you to be job ready upon graduation.
- Build a thorough understanding of engineering fundamentals in your first year. Deepen your knowledge and focus on theoretical and practical learning. Study a specialised major plus one minor.
- Gain hands-on skills through practical laboratory classes and field trips. Participate in 12 weeks of work placements with industry partners.
- Studies culminate in the fourth year with an Honours component — a major engineering project and thesis. You will research a current industry issue and work towards designing a solution.
- A JCU Engineering degree prepares students to work across a broad range of occupations and industries, depending on their chosen major. You could be a chemical engineer, a civil engineer, an electrical engineer, an electronic systems and Internet of things engineer, or a mechanical engineer.

You may also be interested in the Bachelor of Engineering (Honours) – Bachelor of Information Technology or the Bachelor of Engineering (Honours) – Bachelor of Science.

### MAJORS

#### Chemical Engineering

Create, manipulate and design products using raw materials, and chemistry and physics principles. Become an expert in the intricacies of reactor design and modelling, and learn how to comprehend the concepts of instrumental analysis. Build an in-depth understanding of advanced chemical technologies such as minerals processing, extractive metallurgy and bioprocessing.



#### Civil Engineering

Benefit from JCU's expert lecturers and explore various civil engineering disciplines such as structural, hydraulic, geotechnical, transport and environmental engineering. You will have the skills to work in design, construction and maintenance of infrastructure such as buildings, bridges, roads, railways, airports, ports, water supply systems, dams, mines and waste disposal systems.



#### Electrical and Electronic Engineering

Learn how to design and maintain electrical energy infrastructure through the application of electrical and electronic principles. You will integrate theory with practice, and visit power utilities and mines and other industry sites. Build a comprehensive knowledge of electrical materials, circuit theory, single phase and three phase power system modelling and signal processing.



#### Electronic Systems and Internet of Things (IoT) Engineering

Develop sensor technologies, analyse big data, and design smart technology that relates to various industries. Work with cloud computing and wireless communication utilising a state-of-the-art Internet of Things research lab. Become innovative technology leaders, accessing world-class lecturers and their strong industry partnerships.



#### Mechanical Engineering

Understand the principles of mechanics and thermodynamics to analyse, design, manufacture and maintain machines across almost all industries. Learn skills that will see you working in design, manufacturing and maintenance of machines – from bicycles and robots to supersonic jets and renewable energy systems.



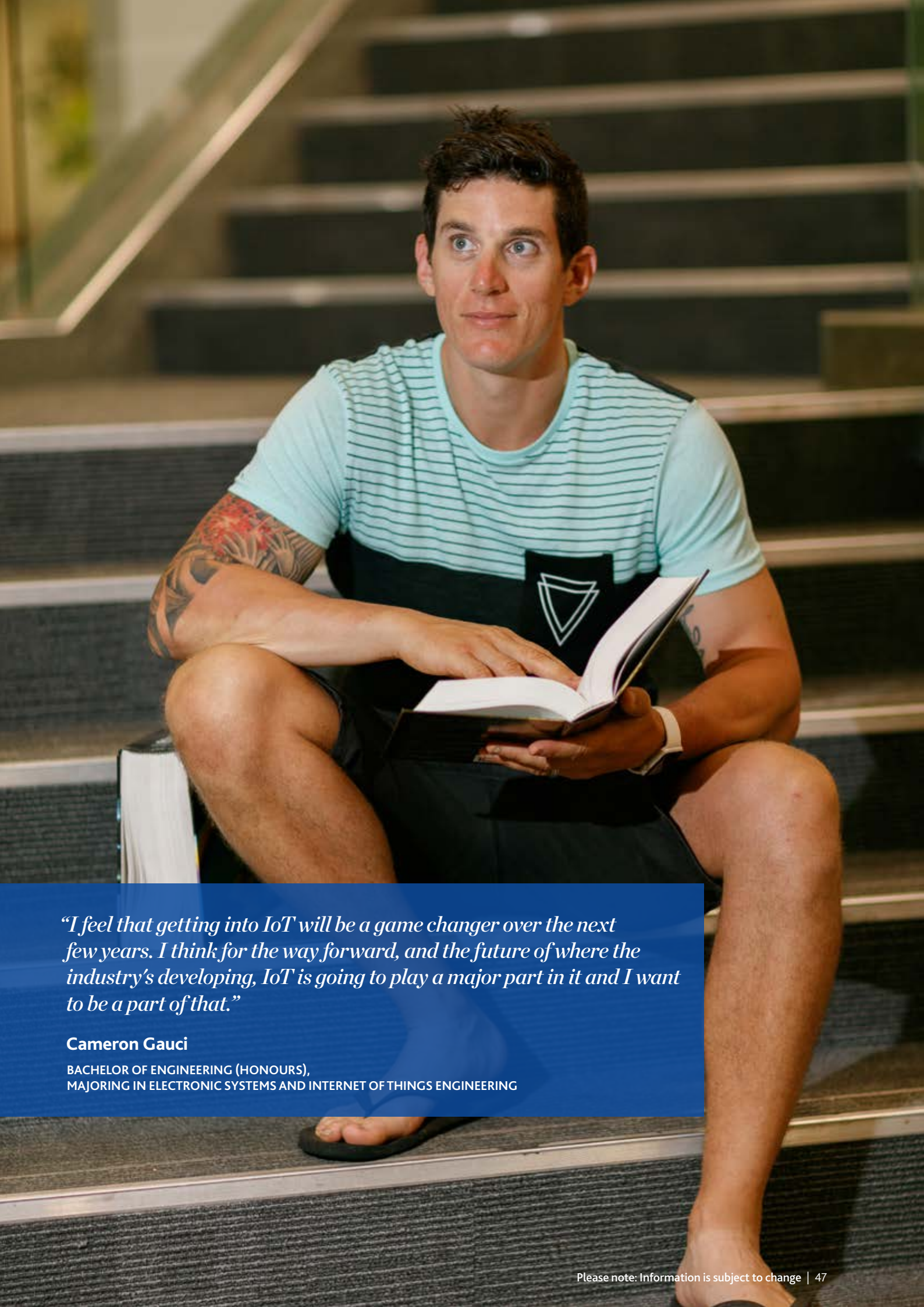
### MINORS

You can choose to specialise your degree through minors in Infrastructure and Planning, Mechatronics, Mining and Minerals, Data Science, Software, Water Resource Management, Sustainability, Physics and Mathematics.

\* Estimated annual fee, plus Student Services and Amenities Fee. Fee deferral and scholarships available if eligible

### LEGEND

- JCU Cairns
- JCU Townsville
- Study online
- JCU Singapore
- JCU Brisbane
- Start Semester 1
- Start Semester 2
- Course duration in years
- Professional placements
- Professional accreditation
- Work Integrated Learning (WIL)
- Field trips
- Clinical placements



*“I feel that getting into IoT will be a game changer over the next few years. I think for the way forward, and the future of where the industry’s developing, IoT is going to play a major part in it and I want to be a part of that.”*

**Cameron Gauci**

BACHELOR OF ENGINEERING (HONOURS),  
MAJORING IN ELECTRONIC SYSTEMS AND INTERNET OF THINGS ENGINEERING



# Environmental Management

JCU Environmental Management is a leader in ethical and sustainable management practices. Programs designed in collaboration with industry provide graduates with exemplary professional practice skills – because experience has no substitute.

## Connect with the best

Expert lecturers integrate their world-class research\* into the classroom

\*Excellence in Research Awards 2018

## Build a distinct skill set

A unique combination of study areas produces students with strong practical skills

## Unique environments

Apply theory in biodiverse settings, including the Great Barrier Reef, the Wet Tropics, and dry savannahs.

## Bachelor of Environmental Practice

**Fees:** \$9,527\* | **ATAR/OP:** 63.2/15

### WHAT TO EXPECT

- Prepare yourself to take on the critical environmental and sustainability challenges facing the world today. Benefitting from JCU's world-class research\* in environmental science and management, you'll learn how the biological, physical, social, economic and political spheres interact and impact on our environment.
- As a JCU Environmental Practice student, you'll develop an understanding of how to manage the interactions between people and the environment, and find solutions to complicated environmental problems. In your final year, build connections and participate in a final year professional placement and work experience.
- Use your skills and knowledge to meet the needs expressed by corporate environmental management organisations. Understand how triple bottom line outcomes – environmental, social and economic – can be integrated to achieve positive solutions for governments and organisations.
- Gain unparalleled skills to address the great sustainability challenges of our lifetime with a JCU degree in Environmental Practice. Depending on your choice of majors, you could perform roles such as environmental manager, sustainability adviser, project manager, or urban environments and landscape designer.

\*Excellence in Research Awards 2018

### MAJORS

#### Biodiversity Assessment and Management

Gain the skills to enable you to assess and manage aquatic and terrestrial species. Learn the essential concepts of biodiversity, biological processes, and ecology. Students will apply these concepts in upper-level specialised classes. Modern field methods are used during field-based subjects in World Heritage listed coastal, coral reef, and rainforest environments.



#### Corporate Environmental Management

Combine business literacy and corporate sustainability with environmental skills to tackle key global sustainability challenges in the environmental and socio-political context. Understand how corporations can sustain economic growth and have a positive impact on the environment. Students learn key concepts in macro and micro economics and their interrelatedness with issues of environmental sustainability, corporate social responsibility, and sustainable development.



#### Land and Water Management

Learn about physical geosciences, environmental processes and impacts on land, wetlands, river catchments, and coasts. You will develop your knowledge of how the Earth functions as a dynamically interactive system. With tutelage from expert lecturers, students master the fundamentals of hydrology, soil science, geomorphic patterns and processes, and natural hazards. Benefit from field-based studies accessing unrivalled geographical and climatically diverse landscapes, including the Great Barrier Reef catchments.



\* Estimated annual fee, plus Student Services and Amenities Fee. Fee deferral and scholarships available if eligible

#### LEGEND

- |  |   |  |  |   |   |  |
|--|---|--|--|---|---|--|
|  JCU Cairns               |  JCU Townsville          |  Study online               |  JCU Singapore                  |  JCU Brisbane |  Start Semester 1    |  Start Semester 2 |
|  Course duration in years |  Professional placements |  Professional accreditation |  Work Integrated Learning (WIL) |  Field trips |  Clinical placements |  |



*“JCU provided plenty of networking opportunities and showed ways to many different career pathways throughout the degree. Another amazing thing was the awesome students the course brings together - I made friends that will last a lifetime. Studying Environmental Practice set me up for a career that is meaningful and brings me so much joy, and makes the world a more sustainable and just place. The future jobs prospects are burgeoning, and if you’re passionate about the environment it’s a pathway to an incredibly fulfilling career!”*

**Alice Walter**

BACHELOR OF ENVIRONMENTAL PRACTICE STUDENT



# Geoscience

JCU Geoscience is a leader in experiential learning. Experience the incredible, accessing and studying landscapes from the vast savannahs to marine sediments. A strong focus on practical fieldwork and industry connections empowers our graduates to be ready for tomorrow's challenges.

## Connect with the best

Expert lecturers integrate their world-class research\* into the classroom

\*Excellence in Research Awards 2018

## Sustainability goals

Contribute to innovating solutions for essential sustainability

## Unique access

Apply theory in environments like the Great Artesian Basin, the Outback, and the Great Barrier Reef

## Bachelor of Geology

**Fees:** \$9,527\* | **ATAR/OP:** 66.5/14

### WHAT TO EXPECT

- Benefit from specialist geological knowledge and study the only Bachelor of Geology degree in Australia.
- Build an in-depth understanding of geoscience with a focus on exploration and mining. Learn about global economic geology and participate in current geological research projects through JCU's on-campus Economic Geology Research Centre.
- Consolidate theoretical learning with frequent field trips and on-site practice. JCU's unique location and close links with exploration/mining, allied engineering industries, and conservation organisations allow unique access to fascinating locations.
- JCU Geology graduates are uniquely skilled with strong connections to industry, and gain extensive experience undertaking fieldwork.
- Geoscientists are highly sought-after in the mining, resources, and energy industries, which is among the highest paying industry sectors in Australia. Careers in geoscience are also found in environmental monitoring and management, natural resource and water management, geotechnical engineering and construction, natural hazard identification and mitigation, spatial sciences, museums, education, and in scientific organisations and government entities.

Specialise your degree through recommended, structured sequences of study that include Chemistry for Geology, Earth Surface Processes, Palaeontology, or Spatial Science, as well as other Science or inter-disciplinary structured sequences of study.



\* Estimated annual fee, plus Student Services and Amenities Fee. Fee deferral and scholarships available if eligible

### LEGEND

- |  |   |  |  |   |   |  |
|--|---|--|--|---|---|--|
|  JCU Cairns               |  JCU Townsville          |  Study online               |  JCU Singapore                  |  JCU Brisbane |  Start Semester 1    |  Start Semester 2 |
|  Course duration in years |  Professional placements |  Professional accreditation |  Work Integrated Learning (WIL) |  Field trips |  Clinical placements |  |



*“Upon attending my first geology class at JCU, I was immediately hooked and that was almost entirely thanks to the engaging and knowledgeable lecturers we had. I also found it very interesting learning about how the earth works. I loved the smaller class sizes, which allowed us to quickly and easily get to know our lecturers and tutors. The best part of geology for me were the field trips. Not only were they a great learning opportunity, but we also got to travel to some fantastic places with our classmates. The field trips really put what we had learned in class into context.”*

**Hans Dirks**

BACHELOR OF GEOLOGY (HONOURS) STUDENT



# Information Technology

JCU Information Technology is a leader in design thinking. A strong focus on student engagement develops graduates who are agile thinkers and innovative developers. Get ready for jobs of the future with an Information Technology degree.

## Exceptional support

Learn from world-class lecturers and researchers committed to student success<sup>^</sup>

<sup>^</sup>Good Universities Guide 2020

## Network with industry

Professional internships make for a successful transition into your career

## Human-centred design

Design thinking empowers JCU students to ideate solutions built for people

## Bachelor of Information Technology

Fees: \$9,527\* | ATAR/OP: 63.2/15

### WHAT TO EXPECT

- Study alongside those who share your vision for what Information Technology can do to improve businesses, the work of scientists and engineers, and the life of the average person.
- You will master the essential knowledge and best practices needed to build a thriving career. Leaders in design thinking, JCU's lecturers and tutors will develop you as a problem solver and innovative thinker.
- Demand grows exponentially for IT graduates. Learn about the rapid developments in technology and turn your interests into a rewarding career.
- Work on real-world projects in industry through hackathons, technology design sprints, internships, placements, or projects.
- Experience computer laboratories with specialist features for software design, computer science, networking, multimedia/game design, and programming.
- You could be an IT project manager, software developer, games designer/tester/reviewer, simulation designer, enterprise architect, consultant, storyboarder, web designer, mobile app developer, and much more. There will be jobs, too, that no-one has yet thought of.

You can choose to specialise your degree through recommended structured sequences of study that include Computer Science and Networking, Education Curriculum, Human-Computer Interaction and Games Design, Internet of Things, or Governance and Society.

You may also be interested in the Bachelor of Engineering (Honours) – Bachelor of Information Technology.



## Bachelor of Technology and Innovation

Fees: \$9,527\* | ATAR/OP: 73.3/12

### WHAT TO EXPECT

- Make a difference to modern industry. Develop the skills and knowledge to deliver safe and sustainable solutions to real-world problems.
- Put your creativity to the test, challenge yourself, and improve your problem-solving skills. Learn to make meaning of data and find inventive ways to re-invigorate businesses.
- Combine valuable IT skills with critical thinking and innovation to help businesses run efficiently. Use your knowledge of technology to make recommendations and identify opportunities.
- JCU Technology and Innovation graduates have the flexibility to solve complex problems across different industries and contexts. You could find employment as a data scientist, technology manager, director of innovation, software programmer, systems analyst, business intelligence developer, or enterprise architect.

### MAJORS

#### Data Science

Gain data and analytics skills highly sought-after in every industry – from government departments to internet start-ups and financial institutions. Build your understanding of data science and learn the tools of the trade, including advanced statistical modelling, data mining, machine learning, linear algebra, and data visualisation.





#### Information Technology

Become an innovative developer with the skills to solve problems in a group. Learn to apply design thinking to deliver technological solutions to a wide range of issues. Analyse technology, creativity, and disruptive innovation in the global economy and across disciplines. Study web and software development, database modelling, and programming.



\* Estimated annual fee, plus Student Services and Amenities Fee. Fee deferral and scholarships available if eligible

### LEGEND

-  JCU Cairns
-  JCU Townsville
-  Study online
-  JCU Singapore
-  JCU Brisbane
-  Start Semester 1
-  Start Semester 2
-  Course duration in years
-  Professional placements
-  Professional accreditation
-  Work Integrated Learning (WIL)
-  Field trips
-  Clinical placements



*“What I really like about the course is that it allows me to explore my creative side and come up with innovative solutions that have the potential to make a big difference in the world. I’m glad I chose JCU because it has such a great support network and sense of community.”*

**Marina Sugita**

BACHELOR OF INFORMATION TECHNOLOGY STUDENT



# Law

JCU Law is a leader in providing a skills-based and multidisciplinary legal education. An emphasis on independent thinking and innovative problem solving develops graduates equipped for contemporary legal practice. Make a positive difference to people and societies with a Law degree.

## Contemporary approach

The multidisciplinary programs at JCU Law give students a competitive edge

## Set for success

JCU Law's extensive industry partners mentor students throughout their degree

## Flexibility and choice

Complete your degree sooner through a range of intensive block and online elective subjects

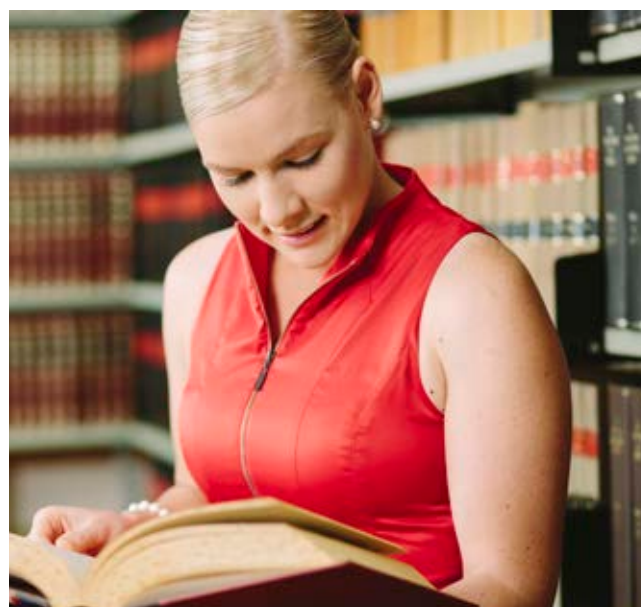
## Bachelor of Laws

**Fees:** \$10,353\* | **ATAR/OP:** 75.7/11

### WHAT TO EXPECT

- Challenge yourself and gain exposure to contemporary issues, the latest research, and new ideas across diverse areas of the practice and application of law.
- JCU students learn the role of law in social, economic, environmental, and political contexts and its significance for stable government, economic prosperity, and the protection of individual and cultural rights.
- Graduates must complete approved practical legal training with either a traineeship at a firm or via a practical legal training course to complete the requirements to practice as a lawyer.
- Graduates are qualified to perform roles such as barrister, solicitor, public prosecutor, community lawyer, legal officer, or in-house counsel for large companies.

You may also be interested in the Bachelor of Arts – Bachelor of Laws, the Bachelor of Business – Bachelor of Laws, or the Bachelor of Science – Bachelor of Laws.




\* Estimated annual fee, plus Student Services and Amenities Fee. Fee deferral and scholarships available if eligible

Please note: Information is subject to change

### LEGEND

- |  |   |  |  |   |   |  |
|--|---|--|--|---|---|--|
|  JCU Cairns               |  JCU Townsville          |  Study online               |  JCU Singapore                  |  JCU Brisbane |  Start Semester 1    |  Start Semester 2 |
|  Course duration in years |  Professional placements |  Professional accreditation |  Work Integrated Learning (WIL) |  Field trips |  Clinical placements |  |

A portrait of a young man with short brown hair and a light beard, wearing a blue and white checkered button-down shirt. He is smiling slightly and looking towards the camera. The background is a blurred outdoor setting with green foliage and a dark vertical post.

*“I always knew I wanted to study a dual degree in both Law and Business whilst remaining here in Far North Queensland, and JCU provided me with the opportunity to do so. It was evident that the Bachelor of Laws at JCU placed emphasis on a practical approach to learning, which was a strong attraction for me personally. What I have enjoyed most about my time at JCU is the opportunity to learn in small class sizes, the accessibility of the law academic staff throughout the semester, and the highly active JCU Law Students’ Society which creates a vibrant campus culture.”*

**Lennon Stathoulis**

BACHELOR OF LAW - BACHELOR OF BUSINESS STUDENT



# Marine Science

JCU Marine Science is a leader in experiential learning with a strong focus on using new technologies. Students learn from the best in the world, with JCU ranked number one for Marine and Freshwater Biology\*.

## Access the best

Learn from lecturers whose research is rated well-above world standards<sup>^</sup>

<sup>^</sup>Excellence in Research Awards 2018

## World-class education

Study at a university ranked number one in the world for Marine and Freshwater Biology\* <sup>^</sup>CWUR 2017

## Dedicated degree

Develop the skills to research, manage, and conserve the Earth's oceans and coasts

## Bachelor of Marine Science

Fees: \$9,527\* | ATAR/OP: 78.1/10

### WHAT TO EXPECT

- Study in JCU's advanced research aquariums and laboratories. Learn how to manage human impacts and preserve dynamic marine environments.
- Undertake research at the JCU Orpheus Island Research Station, or on-site at various coral reef, island, seagrass, and mangrove environments visited when completing this degree.
- Develop high-level skills in evolving technologies that are providing solutions to previously unsolvable problems. Build your capabilities in the use of seabed mapping and fish assessment sonar, oceanographic sensors, and a range of technology used for gathering data above and below the waves.
- Be part of a interdisciplinary degree where you develop core skills across several foundational scientific disciplines while learning key technologies applied in the marine environment.
- The JCU Marine Science degree is one of the most respected courses of its kind in the world. Graduates can pursue a career in a diverse range of areas including fisheries science and management, marine resource management and conservation, coastal and marine geoscience, oceanography, and marine technology.

You may also be interested in the Bachelor of Marine Science (Honours).

You can choose to specialise your degree through recommended structured sequences of study that include Advanced Chemistry, Advanced Mathematics, Advanced Physics, Chemistry, Environmental Geochemistry, Exploration, Field Studies in Earth Sciences, Fisheries, Marine & Environmental Science and Sensors, Mathematics, Physical Geography, or Physics.



*“There is no doubt that JCU is the world’s best place to study marine science. The array of classes is just phenomenal, the field work opportunities are endless, and the enthusiasm of all the lecturers is truly inspiring. With so much research going on, there are also lots of opportunities for volunteering and networking, which complements the degree perfectly.”*

**Marissa Hutchings**

BACHELOR OF MARINE SCIENCE

\* Estimated annual fee, plus Student Services and Amenities Fee. Fee deferral and scholarships available if eligible

### LEGEND

- |  |   |  |  |   |   |  |
|--|---|--|--|---|---|--|
|  JCU Cairns               |  JCU Townsville          |  Study online               |  JCU Singapore                  |  JCU Brisbane |  Start Semester 1    |  Start Semester 2 |
|  Course duration in years |  Professional placements |  Professional accreditation |  Work Integrated Learning (WIL) |  Field trips |  Clinical placements |  |

# Medicine

JCU Medicine is a leader in socially-accountable medicine. Be equipped with the skills to make an impact – improve health care in underserved communities or make life-changing discoveries. Our graduates are ready for a highly-rewarding career.

## Set for success

JCU is independently awarded five stars for overall quality of educational experience<sup>^</sup>

<sup>^</sup>Good Universities Guide 2020

## Meaningful contribution

Make a difference to those in tropical, Indigenous, metropolitan, rural, and remote areas

## Strong networks

Gain a comprehensive understanding of health care formed from multidisciplinary connections

## Bachelor of Medicine, Bachelor of Surgery

Fees: \$11,155\* | ATAR/OP: Special Entry Requirements

### WHAT TO EXPECT

- Become a leader in socially-accountable medicine, graduating as a highly regarded, work-ready health professional. JCU's Bachelor of Medicine, Bachelor of Surgery is the only six-year undergraduate medical course offered in Northern Australia.
- Excel with small classes and personalised support from passionate teachers in state-of-the-art facilities. Develop extensive clinical skills to make a real difference in the health of regional, rural, remote, and Australian Aboriginal and Torres Strait Islander communities.
- Consolidate theoretical study with hands-on clinical placements from your first year. Gain valuable experience with extended placements in diverse communities, from the outback to the Torres Strait.
- JCU Bachelor of Medicine, Bachelor of Surgery graduates are exceptionally-skilled doctors who are employed in a range of medical settings. You could find employment in various specialties across Australia and internationally.



*“You do a lot of rural placements as part of the JCU curriculum, which is great. As a med student in a big hospital you can be at the back of the line and may not get to do a whole lot. But in rural medicine you can be really useful. My sixth-year rural placement was 10 weeks in Ingham. It was fantastic. You get to be part of the team as a senior medical student, and your responsibility and trust go right up.”*

**Dr Aaron Scolyer**

BACHELOR OF MEDICINE, BACHELOR OF SURGERY  
ALUMNI



# Nursing and Midwifery

JCU Nursing and Midwifery is a leader in regional, rural, and tropical healthcare sciences. A vibrant learning culture fosters highly-skilled and knowledgeable graduates. With an emphasis on person-centred, evidence-based care, Nursing and Midwifery students develop the confidence and experience to be valuable and skilled healthcare professionals.

## Support to succeed

Succeed at a university that is highly rated for its extensive support services for students\*  
\*Good Universities Guide 2020

## Excellent engagement

Join a supportive environment in a study area with exceptional learner engagement^  
^QILT 2015-17

## Compassionate care

Learn how to make a difference to patients, families, and communities

## Bachelor of Nursing Science

Fees: \$7,757\* | ATAR/OP: 66.45/14

### WHAT TO EXPECT

- Work with people from diverse cultural backgrounds, and plan and implement contemporary nursing care at an individual and community level.
- This three-year full-time course focuses on nursing in our northern tropical context. It prepares you to work in multiple settings, from large metropolitan hospitals to rural and isolated practice clinics.
- JCU Nursing graduates are known for their skill, care, and work across Australia and internationally. Graduates work in a variety of areas, such as metropolitan hospitals, rural and regional centres, Government departments and defence, non-government agencies, and community health.



## Bachelor of Nursing Science [External]

Fees: \$7,757\* | ATAR/OP: 66.45/14

### WHAT TO EXPECT

- Fit study around other commitments by studying online. This degree is tailored to provide greater flexibility while receiving the same qualification as the Bachelor of Nursing Science.
- Study this degree online through a combination of digital resources and some on-campus residential workshops. Benefit from excellent resources, regular tutor contact, and extensive supervised professional placement and clinical experience in real-world settings, beginning in your first year.



## Bachelor of Nursing Science – Bachelor of Midwifery

Fees: \$7,405\* | ATAR/OP: 83.65/8

### WHAT TO EXPECT


- Study midwifery and nursing and follow your dream of supporting women through pregnancy and post-natal care. JCU's Bachelor of Nursing Science-Bachelor of Midwifery is a well-rounded program that will prepare you for success in the healthcare industry.
- Work in JCU's well-equipped clinical simulation laboratories, studying nursing and midwifery concurrently from your first year of study. Build your knowledge and skills through extensive supervised professional practice.
- During your placements you apply theoretical knowledge in a practical context, preparing you for smooth transition into the workplace. Gain experience with our partner hospitals and health services.
- Your midwifery pathway enables you to work in a variety of maternity models including midwifery group practice, birth centre care, and in maternity units. Your nursing career pathway could include emergency nursing, intensive care, aero-medical services, special care nursery, women's health, child health, and many others.



\* Estimated annual fee, plus Student Services and Amenities Fee. Fee deferral and scholarships available if eligible

### LEGEND

JCU Cairns	JCU Townsville	Study online	JCU Singapore	JCU Brisbane	Start Semester 1	Start Semester 2
Course duration in years	Professional placements	Professional accreditation	Work Integrated Learning (WIL)	Field trips	Clinical placements	



*“Doing my three-week placement in Weipa made me more drawn to becoming a rural and remote nurse and giving back to my people. By being situated in a place like Weipa, I was able to have a more hands-on experience: applying cultural competencies and competent nursing skills to my people. This made me feel like I was making a real difference in giving back, just as a nursing student. This made me realise my potential as a future registered nurse.”*

**Ivy Hodges**

BACHELOR OF NURSING SCIENCE STUDENT



# Occupational Therapy

JCU Occupational Therapy is a leader in developing inclusive societies. Students complete 1,000 hours of clinical placements in a range of healthcare settings, including at the JCU Health Occupational Therapy Clinic, assisting them to become client-centred and holistic health professionals.

## Career opportunities

Study at a university independently awarded five stars for graduate full-time employment<sup>^</sup> ^Good Universities Guide 2020

## Make a difference

Gain the skills to have a positive impact in rural and remote areas

## Person-focused ethos

Be equipped to enable people to participate in the activities that are important to them

## Bachelor of Occupational Therapy (Honours)

Fees: \$9,073\* | ATAR/OP: 72.45/12

### WHAT TO EXPECT

- With an Occupational Therapy (Honours) degree from JCU, take a special focus on occupational therapy in rural and remote settings, and become equipped to make the most of the many opportunities offered through working in these areas.
- Learn theory, professional practice, and clinical skills for a diverse range of clients and circumstances. Take part in over 1,000 hours of professional work placements to develop the experience necessary to excel in your career.
- Students graduating with the research honours major undertake a research project in an area of specialisation, while students graduating with the professional honours major undertake a professional project.
- Assist people to maximise meaningful participation in their daily lives and occupations. Graduates gain employment in public and private hospitals, rehabilitation units, community health centres, aged care facilities, mental health services, schools, independent living centres, vocational rehabilitation settings, and in private practice.



*"I like that there are so many different areas you could work in as an OT. You could work in mental health, paediatrics, aged care, hospitals, community-based work, and so much more. It is so diverse that every day is different."*

**Cheyenne Gamble**

BACHELOR OF OCCUPATIONAL THERAPY

### LEGEND

# Pharmacy

JCU Pharmacy is a leader in experiential and digital learning. Ranked number one in Australia for learner engagement, student support, and teaching quality\* – prepare for career success with a Pharmacy degree.

## Outstanding experience

Be set up for success by a degree awarded five stars for learner engagement, student support and experience<sup>^</sup>

<sup>^</sup>Good Universities Guide 2020

## Student success

JCU is ranked number one in Queensland for full-time graduate employment for pharmacists\*

\*ComparED QILT Graduate Outcomes Survey 2017-2019

## Ready for any challenge

Graduate with confidence after completing over 600 hours of clinical placement

## Bachelor of Pharmacy (Honours)

Fees: \$9,527\* | ATAR/OP: 79.3/10

### WHAT TO EXPECT

- Learn about the practical use of medicines, preventative healthcare strategies, and effective communication.
- Access expertise from leading pharmacists who are experienced and passionate about helping you succeed. Benefit from small class sizes with individual support to help you achieve your best.
- Become skilled through hands-on experience with clinical placements in low-resource communities where you'll get to make a real difference to the health of regional, rural, remote, and Aboriginal and Torres Strait Islander communities.
- With over 600 hours of placement, JCU's Bachelor of Pharmacy (Honours) degree has the highest number of clinical placement hours for any undergraduate pharmacy degree within Australia.

JCU Pharmacy (Honours) graduates have extensive pharmaceutical knowledge and are employed in a wide range of settings. You could find employment as a community pharmacist, hospital pharmacist, work in primary care settings within multidisciplinary teams, work as a consultant pharmacist, industrial pharmacist, researcher, or educator.

You will study a comprehensive range of core subjects including chemistry, human anatomy, and physiology, biology, pharmacology, therapeutics, and research. You can study Pharmacy at Cairns<sup>1</sup>, Mackay<sup>1</sup> and Townsville.



*“A lot of people think that pharmacists just stick a label on the box, but that’s not the case at all. There’s just so many different avenues and opportunities available to pharmacists that not many people are aware of. Pharmacy is a really interesting degree that can take you many places. Pharmacists in rural areas have such a broad role in health care.”*

**Kiralee Gross**

BACHELOR OF PHARMACY (HONOURS) GRADUATE

<sup>1</sup> Subject to accreditation approval



# Physiotherapy

JCU Physiotherapy is a leader in improving quality of life. A focus on ethical and professional practice equips our students to make a difference. Knowledge and skills gained through extensive clinical placements produces graduates who are ready today for tomorrow.

## Support to succeed

Be empowered through outstanding student support, skills development and employment outcomes<sup>^</sup>

<sup>^</sup>Good Universities Guide 2020

## Collaborative learning

Gain perspective by connecting with students from occupational therapy, speech pathology and clinical exercise physiology

## Beyond the classroom

Gain practical skills through over 30 weeks of supervised clinical placement

## Bachelor of Physiotherapy

Fees: \$9,176\* | ATAR/OP: 88.9/6

### WHAT TO EXPECT

- Make a difference with the Bachelor of Physiotherapy. Receive complete support with mentoring in your first year, and network with students from occupational therapy, speech pathology, and clinical exercise physiology.
- The Bachelor of Physiotherapy has a focus on ethical and professional practice alongside extensive clinical placements to be prepared for every aspect of the job. Develop professional skills to meet the needs of people in rural, remote, and Indigenous communities.
- Learn from JCU's dedicated lecturers and join a supportive learning environment. JCU lecturers are leaders in their fields. They will be with you at every step to help you set and meet your goals, master the skills necessary for success, and excel in your physio courses.
- JCU Physiotherapy graduates have a positive impact on their communities. You could work in aged care services, community health centres, hospitals, private practices, schools, or sports and rehab clinics.



*"I really enjoyed my placements while studying, some of which were really interesting, like the Acute Neurology Rehabilitation Ward at the Townsville Hospital, and the Surgical Ward at Cairns Hospital. Eventually, I would like to start my own practice in my hometown of Bowen."*

**Michale Chandler**

BACHELOR OF PHYSIOTHERAPY

\* Estimated annual fee, plus Student Services and Amenities Fee. Fee deferral and scholarships available if eligible

### LEGEND

JCU Cairns	JCU Townsville	Study online	JCU Singapore	JCU Brisbane	Start Semester 1	Start Semester 2
Course duration in years	Professional placements	Professional accreditation	Work Integrated Learning (WIL)	Field trips	Clinical placements	

# Planning

JCU Planning is a leader in regional planning and urban design. A focus on improving livability in a changing climate develops graduates who deliver functional, sustainable towns and cities. Learn how to implement urban design that is resilient to disasters, and protects the wellbeing of the 40 per cent of the global population who live in the tropics.

## Develop a future focus

Experience urban design and sustainable town planning on multiple levels

## Shape the world

Design compassionate cities and communities for people from all backgrounds

## Experiential learning

Use knowledge developed through project-based learning and internships

## Bachelor of Planning

Fees: \$9,030\* | ATAR/OP: 63.2/15

### WHAT TO EXPECT

- Study the Bachelor of Planning at JCU in the heart of tropical northern Queensland. Experience the relationship and coexistence between World Heritage-listed environments and rapidly expanding cities.
- Learn to apply lateral, multidisciplinary thinking when designing better cities and urban areas. Create a balance between lifestyle and sustainability to foster and support communities.
- Gain practical work experience with State Government, non-government organisations, and with professional firms, local authorities, statutory bodies and other organisations operating in planning.
- Integrate and apply a coherent body of conceptual and technical knowledge in the urban and regional planning discipline. You will be able to evaluate and reflect on strategic, statutory, professional and ethical frameworks to perform key urban and regional planning tasks, especially in diverse tropical contexts.
- Undertake field studies in locations such as Singapore and Venice, where you learn best practice for planning and preserving the world's growing cities.
- Learn from JCU's experienced experts on subject topics including Australian landscape processes and evolution, Indigenous environment management, economic growth, and sustainable development. Gain important skills such as how to use Geographical Information Systems. This course is fully accredited by the Planning Institute of Australia.
- JCU Planning graduates are qualified for high-demand positions throughout Australia. Graduates pursue diverse careers which include developing cities, regions, and urban environments to enhance social, environmental, and economic wellbeing.



*“Planning involves people, place and the environment, both urban and natural. It’s a little bit of everything and that’s why I love it. Studying planning at JCU with a tropical focus puts students in an area of rapid change, incredible social and economic challenge, and innovation.”*

**Sarah Gibson**

BACHELOR OF PLANNING



# Psychology

JCU Psychology is a leader in empowering graduates to improve the quality of life of others. Accessing lecturers through small classes and personalised support, students have the opportunity to experience a multidisciplinary education. Psychology graduates are strong critical thinkers and are ready today, for tomorrow.

## Access expertise

Gain first-hand knowledge from passionate lecturers who are experts in their field.

## Practice professionalism

Practice in state-of-the-art facilities and controlled-environment research suites

## Cross-cultural contexts

Strengthen your skills through exploring intercultural psychology

## Bachelor of Psychological Science

Fees: \$6,684\* | ATAR/OP: 69.35/13

### WHAT TO EXPECT

- Study the human mind and develop a strong foundation of psychological theory, practice, and research skills with JCU's Bachelor of Psychological Science.
- Gain expertise in analytical thinking and scientific research methods relevant to a broad range of careers and further study.
- Access world-class research and observation facilities, including a working psychology clinic on-campus in Townsville, observation suites, and electrically-shielded psychology recording facilities.
- JCU Psychological Science graduates are sought-after professionals who excel in their chosen fields. Graduates pursue careers in areas including private practice, academic and applied research settings, counselling services, law courts, police and defence forces, prisons, hospitals, and schools.

You can specialise your degree through choosing from electives including forensic psychology, memory and cognition, cognitive neuroscience, psychopathology, intercultural psychology, and social psychology.

You may also be interested in the Bachelor of Business – Bachelor of Psychological Science, or the Bachelor of Sport and Exercise Science – Bachelor of Psychological Science.



*"I liked that I could learn about all areas of psychology, but also pick subjects that interested me the most. Psychology is a broad discipline, but at JCU you can tailor the degree to fit your interests."*

**Mitchell Scovell**

BACHELOR OF PSYCHOLOGICAL SCIENCE

\* Estimated annual fee, plus Student Services and Amenities Fee. Fee deferral and scholarships available if eligible

### LEGEND

- |                          |                         |                            |                                |              |                     |                  |
|--------------------------|-------------------------|----------------------------|--------------------------------|--------------|---------------------|------------------|
| JCU Cairns               | JCU Townsville          | Study online               | JCU Singapore                  | JCU Brisbane | Start Semester 1    | Start Semester 2 |
| Course duration in years | Professional placements | Professional accreditation | Work Integrated Learning (WIL) | Field trips  | Clinical placements |                  |

# Science

JCU Science is a leader in discovering innovative solutions to complex problems. Our lecturers empower students to discover, explore, and pioneer innovative solutions through a strong focus on building hands-on, practical skills. Drive positive change with a Science degree.

## Student success

JCU Science is rated five stars for learner engagement, skills development, student experience, and teaching quality<sup>^</sup>

<sup>^</sup>Good Universities Guide 2020

## Access expertise

Learn from lecturers who are experts in their fields, with research well above world standard<sup>\*</sup>

<sup>\*</sup> Excellence in Research Australia (ERA) 2018

## Go beyond the classroom

Study and learn in state-of-the-art facilities, as well as World Heritage-listed environments

## Bachelor of Advanced Science

Fees: \$9,527\* | ATAR/OP: 92/5

### WHAT TO EXPECT

- Pursue excellence with JCU's Bachelor of Advanced Science program. Learn from world-renowned lecturers, meet experts in their field, and conduct hands-on research in North Queensland's unique tropical environment.
- Develop your passion for discovery. You will also choose from a set of core advanced skill subjects to develop analytical and modelling skills that are highly sought-after by future employers.
- Apply your skills and knowledge to real-world research projects, and have the opportunity to be published in international scientific journals. Go on overseas exchange programs, and study natural environments in other parts of the world. Use your degree as a pathway to other health professions or higher research.
- JCU Advanced Science graduates are highly-skilled professionals who find employment in a variety of industries. You could find employment as a research assistant, laboratory technician, scientific journalist, environmental scientist, physicist, teacher, or patent lawyer. Or you could continue onto further studies with the Bachelor of Advanced Science (Honours).

You can choose from nine different Science majors including aquaculture science and technology, chemistry, data science, earth science, marine biology, mathematics, molecular and cell biology, physics, or zoology and ecology.



## Bachelor of Science

Fees: \$9,345\* | ATAR/OP: 66.5/14

### WHAT TO EXPECT

- Develop your passion for innovation, and make a genuine difference to your community and the environment. Undertake real-world research in unrivalled locations including the World-Heritage listed Great Barrier Reef, the Daintree Rainforest, and dry savannahs.
- Access state-of-the-art research and teaching facilities, like JCU's The Science Place. Experience a leading-edge education from the world's best institution for marine and freshwater biology studies and biodiversity conservation\*.
- JCU students have the opportunity to tailor their degree to suit their passion. Learn the fundamentals of science in your first year, then select one or two specialisations to continue to build knowledge and skills in your chosen discipline.
- JCU Science graduates are broadly skilled and equipped to work across a variety of fields. You could be employed in roles such as geologist, environmental scientist, oceanographer, mathematician, marine or molecular and cell biologist, physicist, ecologist, conservationist or rehabilitation scientist, or wildlife consultant.

You can choose from nine different Science majors including aquaculture science and technology, chemistry, data science, earth science, marine biology, mathematics, molecular and cell biology, physics, or zoology and ecology.

You may also be interested in the Bachelor of Arts – Bachelor of Science, the Bachelor of Engineering (Honours) – Bachelor of Science, or the Bachelor of Science – Bachelor of Laws.

### MAJORS

#### Aquaculture Science and Technology

Benefit from access to the Marine and Aquaculture Research Facility for the hands-on discovery of the sustainable practices of aquaculture. Students explore the scientific and practical applications of breeding, rearing, and harvesting of plants and animals in all types of water environments. JCU graduates have a deep understanding of the biodiversity of species, the design of aquaculture systems, and the basics of nutrition.





# Science

## Chemistry

With award-winning laboratories at the JCU Science Place and access to industry leaders, students benefit from small class sizes and the personalised approach of lecturers. Accredited by the Royal Australian Chemical Institute (RACI), a JCU Chemistry major provides skills in analytical chemistry, synthetic, organic and inorganic chemistry, and kinetics and mechanisms of chemical reactions.



## Data Science

Experience the power of data visualisation, Big Data, and machine learning. Learn how to develop sophisticated algorithms, and create innovative solutions to contemporary problems. Mastermind database systems, programs, models, and projects. Learn from experts in the field and become part of the exponentially growing field of data science. Be at the forefront of the data science revolution with a Data Science major.



## Earth Science

With access to state-of-the-art facilities like JCU Fletcherview Field Station, JCU students gain practical skills studying and assessing the unique biodiverse region of North Queensland. Build your understanding of the effect of humans on the natural environment, and build skills to develop solutions to lessen the impact. Graduates have a thorough understanding of how to develop cost-effective and innovative techniques for environmental management.



## Marine Biology

Benefit from access to one of the most diverse and fragile marine ecosystems in the world, the Great Barrier Reef. With opportunities to do hands-on research at world-class JCU Orpheus Island Field Station, you will learn from expert lecturers and benefit from researchers' strong links with industry. Be equipped to address critical challenges facing marine and coastal ecosystems. Graduates deeply understand humans' impact on the marine environment, and how the oceans and atmosphere interact.



## Mathematics

Develop highly sought-after problem-solving, analytical, and quantitative reasoning skills. You will gain a thorough understanding of various mathematical techniques, data analysis, and multivariate statistical methods. JCU graduates have the skills to formulate mathematical models, illustrating science and engineering problems, and use various techniques to help find solutions.



## Molecular and Cell Biology

Gain hands-on experience using cutting-edge equipment and techniques. Develop an in-depth understanding of molecular genetics. Learn how to amplify and edit DNA sequences, and conduct laboratory and field-based projects. JCU students study the basis of health and disease at a molecular level, and analyse the functions of a whole cell. Graduates have the foundations needed to work towards developments of modern medicine and biotechnology.



## Physics

Develop the expertise to explore some of the universe's most challenging questions. Accredited by the Australian Institute of Physics, a Physics major at JCU provides you with knowledge and skills across multiple physics disciplines. Students learn the fundamentals of energy, quantum mechanics, relativity, antimatter, weather, and climate. The ability to think critically and be experimental is built by exploring biophysics, molecular electronics, and organic solar cells. You will study the structure of matter, atomic and nuclear physics, quantum physics, oceanography and meteorology, and thermodynamics.



## Zoology and Ecology

Study amazing rainforests and diverse species. Go on field trips to Borneo or the Galapagos Islands. Access the JCU Daintree Rainforest Observatory to learn about biosecurity, behavioural ecology, conservation biology, and ecological modelling. Perform research in one of the most biodiverse regions in Australia. JCU students learn from world experts, studying the science of the biology of plants and animals, and the natural world that they live in.


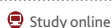
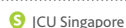
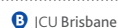


\* Estimated annual fee, plus Student Services and Amenities Fee. Fee deferral and scholarships available if eligible

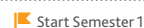
## LEGEND



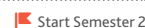
**T** ICU Townsville

 Study online ICU Singapore

**B** | CU Brisbane



Start Semester 1



Start Semester 2





*“Here the opportunities are endless. It’s absolutely amazing to study at JCU, and the facilities are incredible. The fieldwork options are amazing as well, with the Great Barrier Reef at our doorstep.”*

**Casey Bowden**

BACHELOR OF ADVANCED SCIENCE, MAJORING IN MARINE BIOLOGY, CHEMISTRY MINOR



# Social Work

JCU Social Work is a leader in collaborative learning. A focus on professional practice experience encourages our students to develop a deep understanding of social justice and sustainable societies.

## Set for success

Succeed with a study area that is exceptionally rated for full-time employment outcomes\*

\*QILT Graduates Outcomes Survey 2017-2019

## Sharpen your skills

Learn how to be an effective social worker through industry placements, as well as in the classroom

## Access to expertise

Learn from and connect with academics who are experts in their field

## Bachelor of Social Work

**Fees:** \$6,684\* | **ATAR/OP:** 66.5/14

### WHAT TO EXPECT

- A Bachelor of Social Work from JCU provides you with the practical skills and experience to begin a rewarding career, with a focus on Aboriginal and Torres Strait Islander people and diverse cultures and communities.
- Learn how to promote positive relationships and champion a just and equitable society. Benefit from passionate educators, state-of-the-art social research technology and real-world case studies, with an emphasis on sustainability and advocacy.
- Apply your theoretical knowledge to extensive field placements in your third and fourth years. You'll also have the opportunity to participate in field trips to India and Thailand to gain a deeper understanding of social work in a global context.
- JCU Social Work graduates are equipped to advocate for social justice and change in a broad range of environments. You could find employment as a child protection officer, mental health counsellor, health policy officer, health services manager, social worker, youth worker, or school counsellor.



\* Estimated annual fee, plus Student Services and Amenities Fee. Fee deferral and scholarships available if eligible

### LEGEND

- |  |   |  |  |   |   |  |
|--|---|--|--|---|---|--|
|  JCU Cairns               |  JCU Townsville          |  Study online               |  JCU Singapore                  |  JCU Brisbane |  Start Semester 1    |  Start Semester 2 |
|  Course duration in years |  Professional placements |  Professional accreditation |  Work Integrated Learning (WIL) |  Field trips |  Clinical placements |  |



*“With JCU Social Work, I had the opportunity to travel to Kerala, India, for a student exchange program. It was a life-changing experience, which created new world views and opinions about working with communities, families and individuals. I made lifelong friends who I still keep in contact with today.”*

**Leah Nicholls**

BACHELOR OF SOCIAL WORK STUDENT



# Speech Pathology

JCU Speech Pathology is a leader in improving the lives of people of all ages, particularly those in rural and remote communities. Graduates gain valuable skills, and benefit from diverse educational and placement experiences. Develop a competitive edge with a Speech Pathology degree.

## Outstanding facilities

Gain valuable experience with real clients in JCU's Speech Pathology Clinic

## Support to succeed

JCU Speech Pathology is independently awarded five stars for skills development and student support<sup>^</sup> ^Good Universities Guide 2020

## Exceptional outcomes

Graduate career ready from a discipline rated five stars for graduate full-time employment<sup>^</sup> ^Good Universities Guide 2020

## Bachelor of Speech Pathology (Honours)

Fees: \$9,527\* | ATAR/OP: 75.7/11

### WHAT TO EXPECT

- Build a foundation for helping patients. Acquire a thorough understanding in areas such as anatomy, linguistics, and speech development and impairment.
- Learn how to diagnose and manage a diverse range of cases, and benefit from JCU's on-campus speech and language clinic. Develop high-level skills necessary to merge theory with real-world situations throughout your speech pathologist degree.
- Practical placements challenge you to apply your theoretical knowledge in a variety of settings. You will have the opportunity to complete placements in rural and Indigenous communities, as well as overseas.
- JCU Speech Pathology graduates have specialist skills, and work with children and adults to promote speech and swallowing improvement. Graduates pursue careers in various areas including education settings, hospitals, community health centres, nursing homes, child care, mental health services, disability services, and private practice.

The embedded Honours degree for this course can be completed as a Professional Honours degree or a Research Honours degree.



*“Speech pathologists go through the human lifespan. You can get jobs in paediatrics — right from when babies are born — all the way through to palliative care. There’s so many different places we can work, and we’re in really high demand, especially in rural areas.”*

**Nicole Dunn**

BACHELOR OF SPEECH PATHOLOGY

\* Estimated annual fee, plus Student Services and Amenities Fee. Fee deferral and scholarships available if eligible

### LEGEND

- |  |   |  |  |   |   |  |
|--|---|--|--|---|---|--|
|  JCU Cairns               |  JCU Townsville          |  Study online               |  JCU Singapore                  |  JCU Brisbane |  Start Semester 1    |  Start Semester 2 |
|  Course duration in years |  Professional placements |  Professional accreditation |  Work Integrated Learning (WIL) |  Field trips |  Clinical placements |  |

# Sport and Exercise Science

JCU Sport and Exercise Science is a leader in enhancing physical performance for everyone from elite athletes to people with chronic conditions. Develop an understanding of the science behind human movement. A focus on building practical skills produces well-rounded graduates who are ready today for tomorrow.

## Go beyond the classroom

Gain experience at state-of-the-art facilities such as the JCU Movement Analysis Lab

## Strong networks

Get a professional headstart through placements with local and regional organisations

## Access expertise

Learn from experts in biomechanics, strength and conditioning, and motor control

## Bachelor of Sport and Exercise Science

Fees: \$8,606\* | ATAR/OP: 69.35/13

### WHAT TO EXPECT

- Make a difference in the lives of individuals and communities. Help athletes enhance their performance, improve quality of life for those suffering from chronic conditions, or teach the next generation the importance of nutrition and exercise.
- Participate in research that matters, learning about the processes of human physical activity and contributing to important international research initiatives. Gain practical experience and clinical skills in JCU's world-class training facilities.
- Understand how to empower others to incorporate exercise as part of an overall wellness plan, and see first-hand how sports can make a difference in marginalised communities.
- The Bachelor of Sport and Exercise Science teaches you the processes and mechanisms underlying physical activity, which allows you to operate in many fields. You could find employment in private or community practices, health promotion agencies, hospital-based professions, occupational health and safety roles, exercise and sport research, or rehabilitation aid.

You may also be interested in the Bachelor of Sport and Exercise Science – Bachelor of Psychological Science.





# Tourism, Hospitality and Events

JCU Tourism, Hospitality and Events is a leader in hospitality, tourism and event management. Small classes allow students to access world-class lecturers who are experts in their field. Prepare for career success in a growth industry with our business undergraduate or tourism postgraduate degrees.

## Work worldwide

Be equipped with the global business skills and specialist training to stand out in your field

## Unique opportunities

Take part in paid internships at five-star industry partners while you gain qualifications

## Next-level networking

Begin building a professional network through industry partnerships and experience

## Bachelor of Tourism, Hospitality and Events

Fees: \$10,900\* | ATAR/OP: 59.4/16

### WHAT TO EXPECT

- Develop community and industry partnerships, and network with JCU's extensive business partnerships and international alumni. Attend field trips, hear from world-renowned guest lecturers, and complete industry-based assessments.
- Design and deliver customer-informed tourism, hospitality and events services and experiences with professional practice subjects and 400 hours of skills development. You will gain barista, Responsible Service of Alcohol, and Hazard Analysis and Critical Control Point qualifications during this course.
- JCU Tourism students thrive learning at the first tourism school established in Australia. You will study the intricacies of conference and event management, and the logistics and operations behind hospitality.
- JCU Tourism, Hospitality and Events (THE) graduates are multi-skilled business professionals who find employment in a growing number of areas. You could find employment as a tourism planner, government policy maker, manager in a heritage agency, a social entrepreneur, or a tourist shopping and retail manager. Graduates could also find roles in destination marketing and management agencies, community development agencies, sports and venue management, research agencies, and consultancy employment and training organisations.



\* Estimated annual fee, plus Student Services and Amenities Fee. Fee deferral and scholarships available if eligible

### LEGEND

- |  |   |  |  |   |   |  |
|--|---|--|--|---|---|--|
|  JCU Cairns               |  JCU Townsville          |  Study online               |  JCU Singapore                  |  JCU Brisbane |  Start Semester 1    |  Start Semester 2 |
|  Course duration in years |  Professional placements |  Professional accreditation |  Work Integrated Learning (WIL) |  Field trips |  Clinical placements |  |

# Veterinary Science

JCU Veterinary Science is a leader in animal science and veterinary practice. Develop specialist skills through hands-on learning in state-of-the-art facilities and unique placements. Make a difference with a Veterinary Science degree.

## Graduate career ready

JCU Veterinary Science was independently awarded five stars for full-time employment\* \*Good Universities Guide 2020

## Access the best

Study in a discipline with exceptional student support and skills development^

^QILT Students Experience Survey 2018-2019

## Experiential learning

Go beyond the classroom and learn in animal clinics and veterinary centres

## Bachelor of Veterinary Science

Fees: \$10,628\* | ATAR/OP: Special Entry Requirements

### WHAT TO EXPECT

- Make a difference in animal health and welfare with JCU's emphasis on rural and tropical practice. Be equipped with the skills to diagnose, treat, and prevent disease in a wide range of companion, production, aquatic, and native animals.
- Learn today how to meet tomorrow's demands in sustainable animal farming, and increased expectations for animal health and welfare. You will gain in-depth foundational knowledge throughout your degree, as well as specialist rural and tropical veterinary science skills.
- Take advantage of JCU's real-world teaching settings, including an on-campus Veterinary and Emergency Centre and Hospital, and a local working cattle station for livestock production. In your final two years, you will complete a variety of clinical placements in both rural and urban settings.
- JCU Veterinary Science graduates can find employment in a range of areas that include veterinary clinics, veterinary hospitals, agriculture, biosecurity, quarantine, public health, zoos, and wildlife sanctuaries. Many pursue research in clinical care, animal science, pharmacology, and biomedicine.





# 2021 Undergraduate degrees and diplomas

										VET Pathways				
Bachelor Degrees with Majors	Prerequisite subjects	Years	Campus availability and QTAC codes				Mid-year entry	OP/ RANK	ATAR	Completed Certificate III	Completed Certificate IV	Completed AQF Diploma	Fees* (per year)	
			Cairns	Townsville	Online	Other								
Arts														
Anthropology	English	3	321031	311031	-	-	Yes	16/66	59.4	#	Yes	Yes	\$10,701	
Archaeology	English	3	321031	311031	-	-	Yes	16/66	59.4	#	Yes	Yes	\$10,701	
Criminology	English	3	-	311031	311039	-	Yes	16/66	59.4	#	Yes	Yes	\$10,701	
Design & Creative Arts	English	3	TBA	TBA	-	-	Yes	16/66	59.4	#	Yes	Yes	\$10,701	
English	English	3	321031	311031	311039	-	Yes	16/66	59.4	#	Yes	Yes	\$10,701	
History	English	3	321031	311031	-	-	Yes	16/66	59.4	#	Yes	Yes	\$10,701	
Human Geography	English	3	321031	311031	-	-	Yes	16/66	59.4	#	Yes	Yes	\$10,701	
Human Services	English	3	321031	311031	-	-	Yes	16/66	59.4	#	Yes	Yes	\$10,701	
Indigenous Studies	English	3	321031	311031	-	-	Yes	16/66	59.4	#	Yes	Yes	\$10,701	
Modern Languages	English	3	321031	311031	311039	-	Yes	16/66	59.4	#	Yes	Yes	\$10,701	
Multimedia Journalism & Writing	English	3	-	311031	-	-	Yes	16/66	59.4	#	Yes	Yes	\$10,701	
Politics & International Relations	English	3	321031	311031	311039	-	Yes	16/66	59.4	#	Yes	Yes	\$10,701	
Psychological Studies	English	3	-	311031	-	-	Yes	16/66	59.4	#	Yes	Yes	\$10,701	
Sociology	English	3	321031	311031	-	-	Yes	16/66	59.4	#	Yes	Yes	\$10,701	
Biomedical Sciences	English; Chemistry; Mathematical Methods Recommended: one of Biology, Health Education, Physical Education or Physics	3	-	316071	-	-	No	14/70	65.4	#	#	#	\$9,527	
Business														
Accounting	English; (Mathematical Methods desirable)	3	322151	312151	312159	-	Yes	16/66	59.4	#	Yes	Yes	\$10,900	
Business Intelligence & Information Systems	English; (Mathematical Methods desirable)	3	322151	312151	312159	-	Yes	16/66	59.4	#	Yes	Yes	\$10,900	
Hospitality & Tourism Management	English; (Mathematical Methods desirable)	3	-	-	312159	-	Yes	16/66	59.4	#	Yes	Yes	\$10,900	
Human Resources Management	English; (Mathematical Methods desirable)	3	322151	312151	312159	-	Yes	16/66	59.4	#	Yes	Yes	\$10,900	
International Business	English; (Mathematical Methods desirable)	3	322151	312151	312159	-	Yes	16/66	59.4	#	Yes	Yes	\$10,900	
Management	English; (Mathematical Methods desirable)	3	322151	312151	312159	-	Yes	16/66	59.4	#	Yes	Yes	\$10,900	
Marketing for the Digital Age	English; (Mathematical Methods desirable)	3	-	312151	312159	-	Yes	16/66	59.4	#	Yes	Yes	\$10,900	
Sports & Events Management	English; (Mathematical Methods desirable)	3	-	312151	312159	-	Yes	16/66	59.4	#	Yes	Yes	\$10,900	
Business & Environmental Science	English; Maths B	3	-	316341	-	-	Yes	15/68	63.2				\$9,808	
Commerce														
Accounting	English; (Mathematical Methods desirable)	3	322021	312021	312029	-	Yes	16/66	59.4	#	Yes	Yes	\$10,900	
Banking and Finance	English; (Mathematical Methods desirable)	3			312029	-	Yes	16/66	59.4	#	Yes	Yes	\$10,900	
Economics	English; (Mathematical Methods desirable)	3		312021	312029	-	Yes	16/66	59.4	#	Yes	Yes	\$10,900	
Financial Advising	English; (Mathematical Methods desirable)	3	322021	312021	312029	-	Yes	16/66	59.4	#	Yes	Yes	\$10,900	
Financial Management	English; (Mathematical Methods desirable)	3		312021	312029	-	Yes	16/66	59.4	#	Yes	Yes	\$10,900	
International Trade	English; (Mathematical Methods desirable)	3			312029	-	Yes	16/66	59.4	#	Yes	Yes	\$10,900	
Clinical Sciences (Honours)	English; Chemistry; Mathematical Methods Recommended: One of Biology, Health Education, Physical Education or Physics	4	-	317291	-	-	No	13/72	69.15	#	#	#	\$9,527	
Dental Surgery	English; Chemistry; Mathematical Methods Recommended: Biology + separate JCU application	5	327091	-	-	-	No	SER		No	No	No	\$10,193	
Education (Early Childhood Education)	English; Maths General, Methods or Specialist; plus a General Science subject	4	323311	313311	313319	-	Yes	12/75	73.3	No	#	#	\$6,684	
Education (Primary)	English; Maths General, Methods or Specialist; plus a General Science subject	4	323211	313211	313219	-	Yes	12/75	73.3	No	#	#	\$6,684	
Education (Secondary)	English; Maths General, Methods or Specialist	4	323111	313111	-	-	Yes	12/75	73.3	No	#	#	\$7,235	

## Degree and Diploma overview

Bachelor Degrees with Majors	Prerequisite subjects	Years	Campus availability and QTAC codes				Mid-year entry	OP/ RANK	ATAR	VET Pathways				Fees* (per year)
			Cairns	Townsville	Online	Other				Completed Certificate III	Completed Certificate IV	Completed AQF Diploma		
Engineering (Honours)														
Chemical	English; Mathematical Methods;	4	324021 <sup>1</sup>	314021	-	-	Tsv only	10/79	78.1	No	No	#	\$9,527	
Civil	English; Mathematical Methods	4	324021 <sup>1</sup>	314021	-	-	Tsv only	10/79	78.1	No	No	#	\$9,527	
Electrical & Electronic	English; Mathematical Methods	4	324021	314021	-	-	Tsv only	10/79	78.1	No	No	#	\$9,527	
Electronic Systems & Internet of Things	English; Mathematical Methods	4	324021	314021 <sup>2</sup>	-	-	No	10/79	78.1	No	No	#	\$9,527	
Mechanical	English; Mathematical Methods	4	324021 <sup>1</sup>	314021	-	-	Tsv only	10/79	78.1	No	No	#	\$9,527	
Environmental Practice														
Biodiversity Assessment & Management	Assumed Knowledge: English; Mathematical Methods; Recommended Study: At least one of Biology, Chemistry, Earth Science, Geography, Maths C or Physics	3	326431	316431	-	-	Yes	15/68	63.2	Yes	Yes	Yes	\$9,527	
Corporate Environmental Management	Assumed Knowledge: English; Mathematical Methods; Recommended Study: At least one of Biology, Chemistry, Earth Science, Geography, Maths C or Physics	3	326431	316431	-	-	Yes	15/68	63.2	Yes	Yes	Yes	\$9,527	
Land & Water Management	Assumed Knowledge: English; Mathematical Methods; Recommended Study: At least one of Biology, Chemistry, Earth Science, Geography, Maths C or Physics	3	326431	316431	-	-	Yes	15/68	63.2	Yes	Yes	Yes	\$9,527	
Urban Environments & Landscape Design	Assumed Knowledge: English; Mathematical Methods; Recommended Study: At least one of Biology, Chemistry, Earth Science, Geography, Maths C or Physics	3	326431	316431	-	-	Yes	15/68	63.2	Yes	Yes	Yes	\$9,527	
Geology	Assumed Knowledge: English; Mathematical Methods; Recommended Study: At least one of Biology, Chemistry, Earth Science, Geography, Maths C or Physics	3	326311 <sup>1</sup>	316311	-	-	Yes	14/70	66.5	Yes	Yes	Yes	\$9,527	
Information Technology	English; (Mathematical Methods desirable)	3	322341	312341	312349	-	Yes	15/68	63.2	#	Yes	Yes	\$9,527	
Laws	English	3	321061	311061	-	-	Yes	11/77	75.7	No	No	Yes	\$10,353	
Marine Science	Assumed Knowledge: English; Mathematical Methods Recommended Study: At least one of Biology, Physics, Maths C, Earth Science or Geology	3	-	316251	-	-	Yes	10/79	78.1	No	No	Yes	\$9,527	
Medical Laboratory Science (Honours)	English, Mathematical Methods; Chemistry Recommended: one of Biology, Health Education, Physical Education or Physics	4	-	316121	-	-	No	13/72	69.15	#	#	#	\$9,700	
Medicine, Surgery	English; Mathematical Methods; Chemistry; + 6 separate JCU application and an interview	6	-	317012	-	-	No	SER	-	No	No	No	\$11,155	
Nursing Science (Post-registration)	Registered Nurse (Division 1) with the Australian Health Practitioner Regulation Agency	1	326041	316041	316049 336041 (Mk) 346041 (Mt)	-	No	Prior study /74	-	No	No	No	\$7,757	
Nursing Science (Pre-registration)	English. Recommended: Biology; Chemistry and one of General Mathematics, Mathematical Methods or Specialist Mathematics	3	326031	316031	336031 (Mk) 346031 (Mt)	-	Yes	14/70	66.45	#	Yes	Yes	\$7,757	
Nursing Science (Pre-registration) Flexible delivery mode	English. Recommended: Biology; Chemistry and one of General Mathematics, Mathematical Methods or Specialist Mathematics	3	-	-	316139	-	Yes	14/70	66.45	#	Yes	Yes	\$7,757	
Nursing Science - Midwifery	English. Recommended: Biology; Chemistry and one of General Mathematics, Mathematical Methods or Specialist Mathematics	4	-	317122	-	-	No	8/84	83.65	No	No	Yes	\$7,405	



## Degree and Diploma overview

Degree and Diploma overview										VET Pathways			
Bachelor Degrees with Majors	Prerequisite subjects	Years	Campus availability and QTAC codes				Mid-year entry	OP/ RANK	ATAR	Completed Certificate III	Completed Certificate IV	Completed AQF Diploma	Fees* (per year)
			Cairns	Townsville	Online	Other							
Occupational Therapy (Honours)	English; plus one of Chemistry, Biology, Physics, Psychology, Physical Education or Health Education	4	-	316101	-	-	No	12/75	72.45	#	#	#	\$9,073
Pharmacy (Honours)	English; Mathematical Methods; Chemistry	4	TBA <sup>6</sup>	316151	-	(Mk) <sup>6</sup>	No	10/79	79.3	No	#	#	\$9,527
Physiotherapy	English; Mathematical Methods; plus one of Chemistry, Biology, Physics, Physical Education, Psychology or Health Education	4	-	317031	-	-	No	6/89	88.9	No	No	#	\$9,126
Planning	English	4	326271	316271	-	-	Yes	15/68	63.2	#	Yes	Yes	\$9,030
Psychological Science	English	3	-	311081	-	-	Yes	13/72	69.35	#	Yes	Yes	\$6,684
Science													
Aquaculture Science & Technology	Assumed Knowledge: English; Mathematical Methods Recommended Study: at least one of Chemistry, Biology, Earth Science, Geography, Physics or Maths C	3	326061 <sup>1</sup>	316061	-	-	Yes	14/70	66.5	Yes	Yes	Yes	\$9,345
Chemistry	Assumed Knowledge: English; Mathematical Methods Recommended Study: at least one of Chemistry, Biology, Earth Science, Geography, Physics or Maths C	3	-	316061	-	-	No	14/70	66.5	Yes	Yes	Yes	\$9,345
Data Science	Assumed Knowledge: English; Mathematical Methods Recommended Study: at least one of Chemistry, Biology, Earth Science, Geography, Physics or Maths C	3	326061	316061	-	-	Yes	14/70	66.5	Yes	Yes	Yes	\$9,345
Earth Science	Assumed Knowledge: English; Mathematical Methods Recommended Study: at least one of Chemistry, Biology, Earth Science, Geography, Physics or Maths C	3	326061	316061	-	-	Yes	14/70	66.5	Yes	Yes	Yes	\$9,345
Marine Biology	Assumed Knowledge: English; Mathematical Methods Recommended Study: at least one of Chemistry, Biology, Earth Science, Geography, Physics or Maths C	3	326061 <sup>1</sup>	316061	-	-	Yes	14/70	66.5	Yes	Yes	Yes	\$9,345
Mathematics	Assumed Knowledge: English; Mathematical Methods Recommended Study: at least one of Chemistry, Biology, Earth Science, Geography, Physics or Maths C	3	326061 <sup>1</sup>	316061	-	-	Yes	14/70	66.5	Yes	Yes	Yes	\$9,345
Molecular & Cell Biology	Assumed Knowledge: English; Mathematical Methods Recommended Study: at least one of Chemistry, Biology, Earth Science, Geography, Physics or Maths C	3	-	316061	-	-	Yes	14/70	66.5	Yes	Yes	Yes	\$9,345
Physics	Assumed Knowledge: English; Mathematical Methods Recommended Study: at least one of Chemistry, Biology, Earth Science, Geography, Physics or Maths C	3	-	316061	-	-	No	14/70	66.5	Yes	Yes	Yes	\$9,345
Zoology & Ecology	Assumed Knowledge: English; Mathematical Methods Recommended Study: at least one of Chemistry, Biology, Earth Science, Geography, Physics or Maths C	3	326061	316061	-	-	Yes	14/70	66.5	Yes	Yes	Yes	\$9,345
Advanced Science - Majors as above	English; Mathematical Methods Recommended Study: At least one of Biology, Chemistry, Physics or Maths C	3	326361	316361	-	-	No	5/92	92	No	No	No	\$9,527
Social Work	English	4	321091	311091	311099	-	Yes	14/70	66.5	#	Yes	Yes	\$6,684
Speech Pathology (Honours)	English; plus one of Chemistry; Biology; Physics, Psychology or Health Education	4	-	317041	-	-	No	11/77	75.7	No	#	#	\$9,527
Sport & Exercise Science	English; General Mathematics, Mathematical Methods or Specialist Mathematics Recommended: one of Biology, Chemistry, Physics, Psychology, Health Education or Physical Education	3	-	316111	-	-	No	13/72	69.35	#	#	#	\$8,606
Technology and Innovation													
Data Science	English. Assumed Knowledge: Mathematical Methods	3	322361	312361	-	-	Yes	12/75	73.3	No	Yes	Yes	\$9,527
Information Technology	English. Assumed Knowledge: Mathematical Methods	3	322361	312361	-	-	Yes	12/75	73.3	No	Yes	Yes	\$9,527
Tourism, Hospitality and Events	English; (Mathematical Methods desirable)	3	322371	-	-	-	Yes	16/66	59.4	#	Yes	Yes	\$10,900
Veterinary Science	English; Chemistry; Mathematical Methods Recommended: Biology (highly desirable) + separate JCU application <sup>3</sup>	5	-	317051	-	-	No	SER	-	No	No	No	\$10,628

## Degree and Diploma overview

Degree and Diploma overview										VET Pathways				
Joint Degrees	Prerequisite subjects	Years	Campus availability and QTAC codes				Mid-year entry	OP/ RANK	ATAR	Completed Certificate III	Completed Certificate IV	Completed AQF Diploma	Fees* (per year)	
			Cairns	Townsville	Online	Other								
Arts - Business	English; (Mathematical Methods desirable)	4	321491	311491	311499	-	Yes	16/66	59.4	#	Yes	Yes	\$11,155	
Arts - Laws	English	5	321521	311521	-	-	Yes	13/72	69.4	#	Yes	Yes	\$11,155	
Arts - Science	English; Mathematical Methods. Students considering Science majors in Chemistry or Molecular and Cell Biology will require Senior Chemistry (or equivalent)	4	321511	311511	-	-	Yes	14/70	66.5	#	#	#	\$9,527	
Business - Laws	English	5	321531	311531	-	-	Yes	13/72	69.4	#	Yes	Yes	\$11,155	
Business - Psychological Science	English. Recommended: Mathematical Methods	4	-	311551	-	-	Yes	13/72	69.4	#	Yes	Yes	\$11,155	
Engineering (Honours) - Information Technology	English; Mathematical Methods	5	324071 <sup>1</sup>	314071 <sup>2</sup>	-	-	Tsv only	10/79	78.1	No	No	#	\$9,527	
Engineering (Honours) - Science	English; Mathematical Methods; Students considering the Molecular and Cell Biology major will require Senior Chemistry (or equivalent)	5	324051 <sup>1</sup>	314051 <sup>2</sup>	-	-	Tsv only	10/79	78.1	No	No	#	\$9,527	
Science - Laws	English; Mathematical Methods. Students considering Science majors in Chemistry or Molecular and Cell Biology will require Senior Chemistry (or equivalent)	5	321541	311541	-	-	Yes	14/70	66.5	#	#	#	\$11,155	
Sport & Exercise Science - Psychological Science	English; General Mathematics, Mathematical Methods or Specialist Mathematics Recommended: one of Biology, Chemistry, Physics, Psychology, Health Education or Physical Education	5	-	317161	-	-	No	13/72	69.35	#	#	#	\$9,527	

Please note, campus availability and mid-year entry for joint degrees depends on major chosen. Visit: [jcu.edu.au/courses](http://jcu.edu.au/courses)

### Diploma

Diploma of Higher Education Business <sup>4</sup>	English; (Mathematical Methods desirable)	1	320011	310011	310019	-	yes	19/63	50.85	#	Yes	Yes	-
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### Pathway Programs

#### Diploma of Higher Education

Business Studies <sup>5</sup>	English language proficiency	1	320021	310021	yes	-	-	-	-	-	-	-	-
Dentistry (Indigenous Pathway)	Special entry requirements	TBA	TBA	TBA	TBA	-	-	-	-	-	-	-	-
Education	English language proficiency	1	320091	310091	yes	-	-	-	-	-	-	-	-
Engineering & Applied Science	English language proficiency	1	320041	310041	yes	-	-	-	-	-	-	-	-
General Studies	English language proficiency	1	320001	310001	yes	-	-	-	-	-	-	-	-
Health	English language proficiency	1	320061	310061	yes	-	-	-	-	-	-	-	-
Information Technology	English language proficiency	1	320071	310071	yes	-	-	-	-	-	-	-	-
Science	English language proficiency	1	320031	310031	yes	-	-	-	-	-	-	-	-
Social Work	English language proficiency	1	320081	310081	yes	-	-	-	-	-	-	-	-
Society & Culture	English language proficiency	1	320051	310051	yes	-	-	-	-	-	-	-	-

<sup>1</sup> First year is also available at JCU Cairns (you must transfer to JCU Townsville to complete your course) <sup>2</sup> First year is also available at JCU Townsville (you must transfer to JCU Cairns to complete your degree) <sup>3</sup> Additional application due to JCU by 30 September 2020 <sup>4</sup> The Diploma of Higher Education, Business is offered both internally and online and can be undertaken concurrently with another degree. On completion you have the option of entering the second year of the Bachelor of Business. <sup>5</sup> The Diploma of Higher Education, Business Studies is a face-to-face course for students seeking extra support during their studies. On completion you have the option of entering a number of JCU's degree programs. <sup>6</sup> Awaiting Accreditation Approval

(Mt) = Mount Isa (Mk) = Mackay (Th) = Thursday Island (Rk) = Rockhampton

(Flex) = flexible delivery including online learning with some compulsory residential periods on JCU Townsville SER = Special Entry Requirements

# = Meets rank but not some prerequisites. Please contact student enquiries for more information.

\* Estimated annual fee, plus Student Services and Amenities fee. Fee deferral and scholarships available if eligible



# Prerequisite subject equivalents

Interstate, International Baccalaureate (IB) and New Zealand

QLD (from 2020)*	QLD (up to and including 2019)*	ACT	NSW	SA/NT
<b>Units 3&amp;4 - Grade C or better</b>	<b>4 semesters at Sound Achievement (SA) or better</b>	50%+ (as percentage grade) in T Majors only*	50%+ (average of examination mark and school assessment)*	D or better (from Publicly Examined Subjects [PES] only)*
<ul style="list-style-type: none"> <li>• English</li> <li>• English and Literature • Extension</li> <li>• English as an additional language</li> <li>• Literature</li> <li>• Queensland Senior External Examination</li> </ul>	<ul style="list-style-type: none"> <li>• English</li> <li>• English for ESL Learners</li> </ul>	<ul style="list-style-type: none"> <li>• English</li> <li>• Language and Literature</li> <li>• World Literature</li> <li>• ESL</li> </ul>	<ul style="list-style-type: none"> <li>• English Standard</li> <li>• English Advanced</li> <li>• ESL</li> <li>• English Extension 1</li> <li>• English Extension 2</li> </ul>	<ul style="list-style-type: none"> <li>• English</li> <li>• English Studies</li> <li>• ESL</li> <li>• English Communication</li> <li>• English Literary Studies</li> <li>• English as an Additional Language</li> </ul>
<ul style="list-style-type: none"> <li>• General Mathematics</li> </ul>	<ul style="list-style-type: none"> <li>• Mathematics A</li> </ul>	<ul style="list-style-type: none"> <li>• Mathematical Applications</li> </ul>	<ul style="list-style-type: none"> <li>• General Mathematics</li> <li>• Maths in Society</li> <li>• Maths in Practice</li> <li>• Mathematics General 2</li> </ul>	<ul style="list-style-type: none"> <li>• Quantitative Methods</li> <li>• Mathematical Methods (up to 2016)</li> <li>• General Mathematics</li> </ul>
<ul style="list-style-type: none"> <li>• Mathematical Methods</li> </ul>	<ul style="list-style-type: none"> <li>• Mathematics B</li> </ul>	<ul style="list-style-type: none"> <li>• Mathematics</li> <li>• Specialist Mathematics</li> <li>• Mathematical Methods</li> </ul>	<ul style="list-style-type: none"> <li>• Mathematics 2 unit</li> <li>• Mathematics (3U to 4U)</li> <li>• Mathematics Extension 1 and 2</li> </ul>	<ul style="list-style-type: none"> <li>• Mathematical Studies</li> <li>• Mathematics 1</li> <li>• Mathematical Methods (from 2017)</li> </ul>
<ul style="list-style-type: none"> <li>• Specialist Mathematics</li> </ul>	<ul style="list-style-type: none"> <li>• Mathematics C</li> </ul>	<ul style="list-style-type: none"> <li>• Specialist Mathematics</li> <li>• Mathematics Advanced Extended</li> </ul>	<ul style="list-style-type: none"> <li>• Mathematics (3U to 4U)</li> <li>• Mathematics Extension 1 and 2</li> </ul>	<ul style="list-style-type: none"> <li>• Specialist Mathematics</li> <li>• Mathematics 2</li> </ul>
<ul style="list-style-type: none"> <li>• Physics</li> </ul>	<ul style="list-style-type: none"> <li>• Physics</li> </ul>	<ul style="list-style-type: none"> <li>• Physics</li> <li>• Electronics</li> </ul>	<ul style="list-style-type: none"> <li>• Science (3U or 4U)</li> <li>• Physics (2U)</li> <li>• Physics</li> </ul>	<ul style="list-style-type: none"> <li>• Physics</li> </ul>
<ul style="list-style-type: none"> <li>• Chemistry</li> </ul>	<ul style="list-style-type: none"> <li>• Chemistry</li> </ul>	<ul style="list-style-type: none"> <li>• Chemistry</li> </ul>	<ul style="list-style-type: none"> <li>• Science (3U or 4U)</li> <li>• Chemistry (2U)</li> <li>• Chemistry</li> </ul>	<ul style="list-style-type: none"> <li>• Chemistry</li> </ul>
<ul style="list-style-type: none"> <li>• Biology or</li> <li>• Biological Sciences</li> </ul>	<ul style="list-style-type: none"> <li>• Biology or</li> <li>• Biological Sciences</li> </ul>	<ul style="list-style-type: none"> <li>• Biology</li> <li>• Human Biology</li> <li>• Biological Sciences</li> </ul>	<ul style="list-style-type: none"> <li>• Biology (2U)</li> <li>• Biology</li> </ul>	<ul style="list-style-type: none"> <li>• Biology</li> </ul>

This table is a guide. Please contact our Student Centre for further information on 1800 246 446

\* Includes external Year 12 subjects

TAS	VIC	WA	IB	NZ
Sound Achievement or better (exit level of achievement)*	25+ (study score)*	50%+ (subjects scaled mark)*	HL: 3 or higher SL: 4 or higher*	2.0 (achieved or better at NCEA Level 3)*
<ul style="list-style-type: none"> <li>•English</li> <li>•Literature</li> <li>•Writer's Workshop</li> <li>•World Literature</li> <li>•English Studies</li> <li>•English Communications</li> <li>•English Writing</li> </ul>	<ul style="list-style-type: none"> <li>•English</li> <li>•English (ESL)</li> <li>•Literature</li> <li>•English Language</li> </ul>	<ul style="list-style-type: none"> <li>•English</li> <li>•English (Stage 2 or 3)</li> <li>•English for ESL Students</li> <li>•English Literature</li> <li>•English Course</li> <li>•English as an Additional Language or Dialect</li> </ul>	<ul style="list-style-type: none"> <li>•English A1 (HL or SL)</li> <li>•English A2 (HL or SL)</li> <li>•English B (HL or SL)</li> <li>•English A: Language and Literature</li> <li>•English A: Literature</li> </ul>	<ul style="list-style-type: none"> <li>•English</li> </ul>
<ul style="list-style-type: none"> <li>•Mathematics Applied</li> <li>•Mathematics Applied Senior Secondary 5C</li> <li>•Mathematical Methods-Foundation</li> <li>•General Mathematics</li> </ul>	<ul style="list-style-type: none"> <li>•Further Mathematics</li> </ul>	<ul style="list-style-type: none"> <li>•Mathematics 1</li> <li>•Mathematics IV</li> <li>•Modelling with Mathematics</li> <li>•Mathematics Stage 2C/D</li> <li>•Mathematics Stage 3A/B</li> <li>•Discrete Mathematics</li> <li>•Mathematics Applications</li> </ul>	<ul style="list-style-type: none"> <li>•Mathematical Studies (SL)</li> </ul>	<ul style="list-style-type: none"> <li>•Statistics and Modelling</li> <li>•Statistics</li> <li>•Mathematics</li> </ul>
<ul style="list-style-type: none"> <li>•Mathematics Methods Senior Secondary 5C</li> <li>•Mathematics Methods</li> <li>•Maths Stage 2 or 3</li> <li>•Algebra and Geometry</li> <li>•Analysis and Statistics</li> <li>•Mathematics</li> </ul>	<ul style="list-style-type: none"> <li>•Mathematical Methods</li> </ul>	<ul style="list-style-type: none"> <li>•Calculus</li> <li>•Applicable Mathematics</li> <li>•Mathematics II</li> <li>•Mathematics Stage 3C/D</li> <li>•Mathematics Specialist Stage 3A/B</li> <li>•Mathematical Methods ATAR</li> </ul>	<ul style="list-style-type: none"> <li>•Mathematics (HL or SL)</li> <li>•Further Mathematics (HL or SL)</li> <li>•Mathematics Analysis and Approaches (HL or SL)</li> <li>•Mathematics Applications and Interpretations (HL)</li> </ul>	<ul style="list-style-type: none"> <li>•Mathematics with Calculus</li> <li>•Calculus</li> </ul>
<ul style="list-style-type: none"> <li>•Mathematics Specialist Senior Secondary 5C</li> <li>•Mathematics Specialised</li> <li>•Mathematics Stage 2 and 3</li> </ul>	<ul style="list-style-type: none"> <li>•Specialist Mathematics</li> </ul>	<ul style="list-style-type: none"> <li>•Applicable Mathematics</li> <li>•Mathematics III</li> <li>•Mathematics Specialist Stage 3C/D</li> <li>•Mathematics Specialist ATAR</li> </ul>	<ul style="list-style-type: none"> <li>•Mathematics (HL)</li> <li>•Further Mathematics (HL)</li> </ul>	n/a
<ul style="list-style-type: none"> <li>•Physics</li> <li>•Applied Science-Physical Sciences</li> <li>•Physical Sciences</li> </ul>	<ul style="list-style-type: none"> <li>•Physics</li> </ul>	<ul style="list-style-type: none"> <li>•Physics</li> <li>•Physical Science</li> <li>•Physics (Stage 3)</li> </ul>	<ul style="list-style-type: none"> <li>•Physics (HL or SL)</li> <li>•Physical Science (HL)</li> </ul>	<ul style="list-style-type: none"> <li>•Physics</li> </ul>
<ul style="list-style-type: none"> <li>•Chemistry</li> </ul>	<ul style="list-style-type: none"> <li>•Chemistry</li> </ul>	<ul style="list-style-type: none"> <li>•Chemistry</li> <li>•Chemistry (Stage 3)</li> </ul>	<ul style="list-style-type: none"> <li>•Chemistry (HL or SL)</li> </ul>	<ul style="list-style-type: none"> <li>•Chemistry</li> </ul>
<ul style="list-style-type: none"> <li>•Biology</li> </ul>	<ul style="list-style-type: none"> <li>•Biology</li> </ul>	<ul style="list-style-type: none"> <li>•Biology</li> <li>•Human Biology</li> <li>•Biological Sciences</li> <li>•Human Biological Sciences</li> </ul>	<ul style="list-style-type: none"> <li>•Biology (HL or SL)</li> </ul>	<ul style="list-style-type: none"> <li>•Biology</li> </ul>

## International Baccalaureate (IB) Diploma

### HOW DO I APPLY TO JCU?

If you are a domestic student who has completed an IB Diploma at a Queensland school, you will need to apply through QTAC.

If you completed an IB Diploma at an Australian school outside of Queensland, your school will provide you with a Learner Unique Identifier (LUI) that will allow you to apply through QTAC. This unique application number is different to your IB candidate number, and the format will be three letters followed by three numbers, e.g. abc123.



# Research excellence

*JCU is committed to making a positive difference through research, knowledge infrastructure, and commercialisation of research findings.*

JCU produces research of excellence and high impact, particularly on issues of importance to the tropics. Excellence in Research for Australia (ERA) rated 83 per cent of JCU's research fields as world class or above.

JCU received the highest possible rating, well above world standard, in eight research areas:

- Environmental science and management
- Ecology
- Geology
- Ecological applications
- Plant biology
- Medical microbiology
- Fisheries sciences
- Organic chemistry.

JCU is focused on achieving research excellence in tropical health and medicine, with this commitment resulting in every field of research in medical and health sciences at JCU being rated world class or above. The JCU Australian Institute of Tropical Health and Medicine (AITHM) is focused on Australia's health security and collaborative partnerships with neighbours in the Asia Pacific region, particularly in Papua New Guinea, the South Pacific, and Southeast Asia. In Australia, JCU AITHM partnerships include the Tropical Australian Academic Health Centre (TAAHC) and Northern Queensland Primary Health Network.

JCU's unique location and work in World Heritage sites such as the Great Barrier Reef and the Daintree Rainforest has led to JCU being number one in the world for Marine and Freshwater Biology and number two in the world for Biodiversity Conservation (CWUR 2017). JCU is also the only university to receive the top rating for environmental science and management in every ERA evaluation.



*JCU's proximity to the Great Barrier Reef means students have easy access to a diversity of marine and coastal ecosystems.*



*JCU's own canopy crane in the World Heritage Daintree Rainforest.*



*As a JCU undergraduate student, your course may access some of JCU's unique and remarkable research facilities.*



## World-class facilities

James Cook University is a leader in research addressing the critical challenges facing the Tropics, world wide.

JCU campuses and research hubs are on the doorstep of some of the world's most spectacular environments: the Great Barrier Reef Marine Park, the rainforests of the Wet Tropics, the savannahs of Cape York Peninsula, and the deserts of the arid outback. These living laboratories provide our staff and students with unlimited opportunities.

JCU's research is central to the region's future, and its importance is acknowledged by both State and Federal Government, and by businesses and organisations across Queensland. We are proud of our strong links with rural, remote, and Indigenous communities in our region.

Many local, national, and international research organisations and industry groups collaborate with JCU. These linkages help ensure our courses are research-rich and reflect the latest innovations. Many of our staff and students are co-located with researchers from partner

### Advanced Analytical Centre

#### Australian Institute of Tropical Health and Medicine

- Mosquito Research Facility
- Advanced Protein Analysis Facility

#### Australian Tropical Herbarium

#### The Cairns Institute

### BARRON GORGE NATIONAL PARK

#### UNDARA NATIONAL PARK

#### GIRRINGUN NATIONAL PARK

#### PALUMA RANGE NATIONAL PARK

## JCU CAIRNS

### Daintree Rainforest Observatory

### Orpheus Island Research Station

#### Australian Institute of Tropical Health and Medicine

#### Australian Research Council (ARC) Centre for Coral Reef Studies

#### Centre for Biodiscovery and Molecular Development of Therapeutics

#### Centre for Biosecurity and Tropical Infectious Diseases

#### Centre for Sustainable Tropical Fisheries and Aquaculture

#### Centre for Tropical Environmental and Sustainability Sciences

#### Centre for Tropical Water & Aquatic Ecosystem Research

#### Cyclone Testing Station

#### Comparative Genomics Centre

#### eResearch Centre

#### MACRO - Centre for Macroalgal Resources and Biotechnology

#### NHMRC National Centre of Research Excellence to Improve Management of Peripheral Arterial Disease

#### PORCUPINE GORGE NATIONAL PARK

### Fletcherview Research Station

#### CAPE HILLSBOROUGH NATIONAL PARK

#### EUNGELLA NATIONAL PARK

#### GREAT BARRIER REEF MARINE PARK (CAPRICORN SECTION)



BRISBANE

FRASER ISLAND NATIONAL PARK



# JCU Cairns Institute

*JCU Cairns Institute brings together the expertise and intellectual resources of more than 20 disciplines in the Humanities and Social Sciences, creating a vibrant hub for research, capacity building and public debate, relevant to tropical societies.*



JCU Cairns Institute is committed to understanding and informing critical processes of social and environmental transformation. Its location in tropical North Queensland and proximity to neighbouring countries in the Pacific and Southeast Asia offers unique opportunities to enhance human life in the tropics and contribute to a brighter, more equitable, and enriching future for its peoples.

JCU Cairns Institute's work is organised around eight themes:

- Aboriginal and Torres Strait Islander futures
- Education futures
- Governance and political innovation
- International aid development
- Language, culture, agency, and change
- Regional economic development
- Social justice and community wellbeing
- Sustainability and tropical environments.





# JCU Australian Institute of Tropical Health and Medicine

*JCU Australian Institute of Tropical Health and Medicine (AITHM) is a significant tropical health and medical research institute based at JCU.*



JCU AITHM's programs encompass public health, bio-molecular, clinical, translational, and health systems research, focused on the health issues of most importance to tropical Australia, delivering significant public health benefit locally, regionally, and globally.

Through its research and innovation, and in partnership with key community organisations and health service providers, JCU AITHM aims to fill a major gap that currently exists at the interface between cutting-edge research and scientific expertise, and health service, workforce and policy delivery.

The establishment of JCU AITHM as a world leader in tropical health, medical and biotechnology research, and research training will enable JCU AITHM to:

- Strengthen Australia's health security
- Improve health outcomes in rural, remote, Indigenous, and tropical Australia
- Improve occupational health in key industries such as mining and agriculture.

Current research areas include:

- Tropical infectious disease
- Chronic disease with high prevalence in the tropics
- Development of new diagnostics, therapeutics, and vaccines
- Health systems in tropical, regional, rural, and remote communities.

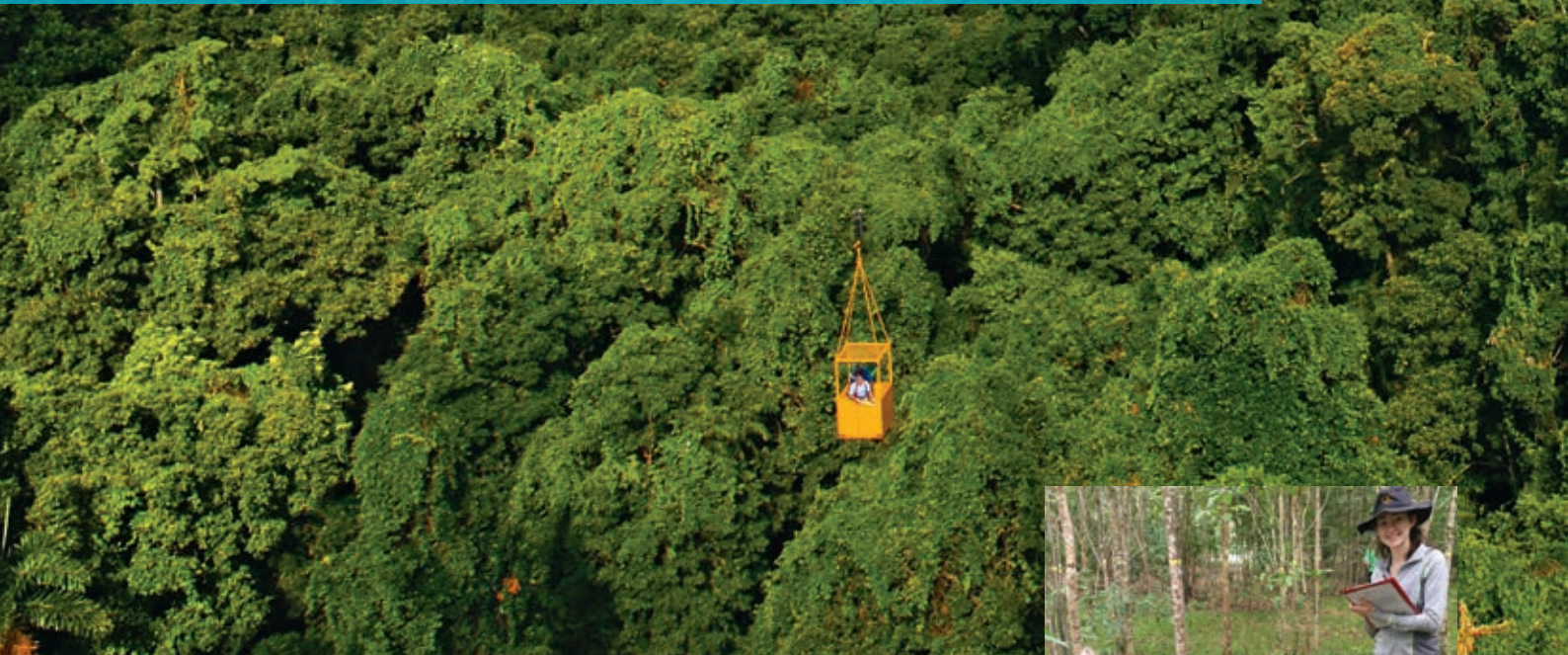
[www.aithm.jcu.edu.au](http://www.aithm.jcu.edu.au)





# JCU Daintree Rainforest Observatory

*The JCU Daintree Rainforest Observatory (DRO) is located in lowland tropical rainforest at Cape Tribulation, 140 kilometres (87 miles) north of Cairns. It is a unique part of the world, where the reef meets the rainforest and two World Heritage areas lay side-by-side.*



Wet Tropics rainforests have the highest biodiversity of anywhere in Australia, supporting 800 species of vertebrates and over 5,000 plant species. Flora and fauna endemic to the region attract researchers from across the globe.

JCU's DRO is one of only five long-term ecological monitoring sites in Australia. It offers accommodation, one open-air teaching laboratory, and one traditional air-conditioned laboratory.

The facility also houses an extensive insect collection and herbarium for visitors.

JCU's canopy crane makes it possible to view the rainforest from the atmosphere above the canopy, through its different levels, and down to the soils and subterranean water resources. The crane allows students to use complex scientific equipment to observe ecological, physiological, and atmospheric processes in-situ.

The JCU DRO forms part of the TERN Australian Supersite Network helping JCU ascertain how key ecosystems will respond to future environmental change. As such, the DRO forms part of a worldwide network of projects that aim to understand environmental change across the globe.

Currently, the JCU DRO is supporting the development of a project seeking to understand the impacts of decreased rainfall on rainforests in the seasonal tropics, where climate change predictions suggest that dry season severity will increase. This aids the understanding of changing climates on rainforest biodiversity.



[jcu.edu.au/dro](http://jcu.edu.au/dro)



# JCU Orpheus Island Research Station

*The JCU Orpheus Island Research Station is located on the western side of Orpheus Island with ready access to pristine inshore reefs and islands. A known 1,100 species of fish and 340 of the 350 known species of reef coral can be found in the underwater gardens of the surrounding reefs.*



The island comprises 1,368 hectares of dry woodlands with Moreton Bay Ash and Acacias dominating, scattered rainforest gullies featuring Fig and Macaranga trees, grasslands, granite outcrops, and beaches and bays surrounded by fringing reefs.

Exploring the waters off Orpheus Island reveals a number of different types of submerged historic sites. From Indigenous sites to recent shipwrecks, this Research Station is also a base for training in search and survey techniques.

Marine Biology students regularly visit Orpheus Island to study the diverse fauna, particularly on the sand and rubble intertidal reef flat, as well as investigating fauna associated with the mangrove community.

Scientific resources on the island include climate-controlled research rooms, wet laboratories, a versatile saltwater aquarium system, and six aquarium raceways.





# JCU Marine & Aquaculture Research Facility (MARF)

*JCU leads the world in coral reef studies and tropical aquaculture. JCU's strong international reputation also includes biological oceanography, marine biology, coral reef studies, population and quantitative genetics, population ecology and fisheries, and marine conservation.*

## JCU Aquarium Complex

The JCU Aquarium Complex comprises large re-circulated seawater and freshwater aquarium systems, as well as controlled-environment facilities, home to oysters, mud crabs, corals, reef fishes, and freshwater fishes. Several large outdoor covered areas are also available. These systems permit the successful rearing of reef fishes through egg, larval, and settlement stages.

JCU staff and students collaborate with partner organisations including the Australian Institute of Marine Science (AIMS) and the Great Barrier Reef Marine Park Authority (GBRMPA), as well as industry partners, particularly in aquaculture.

The Australian Research Council's Centre of Excellence in Coral Reef Studies at JCU leads the world in the science of understanding and managing coral reef resources.

[jcu.edu.au/marf](http://jcu.edu.au/marf)





# ARC Centre of Excellence for Coral Reef Studies

*The ARC Centre of Excellence for Coral Reef Studies is the world leader in integrated research for sustainable use and management of coral reefs.*



The Centre underpins Australia's leading contribution to coral reef sciences, and fosters stronger collaborative links between the major partners and 24 other leading institutions in nine countries. Collectively, the Centre creates the world's largest concentration of coral reef scientists.

The Centre is a partnership of JCU, the Australian Institute of Marine Science (AIMS), The Australian National University, the Great Barrier Reef Marine Park Authority (GBRMPA), The University of Queensland, and The University of Western Australia.

*Professor Joshua Cinner, Chief Investigator, ARC Centre of Excellence for Coral Reef Studies and winner of the 2017 Elinor Ostrom Award, interviews PNG fishermen about adapting to changing social and environmental conditions.*





# AIMS@JCU

*AIMS@JCU is a strategic alliance between JCU and the Australian Institute of Marine Science (AIMS). It integrates strengths, synergies, infrastructure, and expertise in world-class tropical marine research capacity.*



AIMS is the Australian Government's tropical marine research agency. AIMS@JCU is strategically focused on the AIMS research plan, which addresses national and international research priorities and skills gaps, to advance the global knowledge required to understand and sustainably manage marine resources.

AIMS@JCU informs government policy and improves the global knowledge and tools required to understand and sustainably manage marine resources. It also makes a significant contribution to training the next generation of marine science leaders equipped with expertise of most relevance to meet real-world challenges.



*Global coral bleaching event – AIMS RV Cape Ferguson at Coates Reef conducting coral bleaching surveys. Six cameras mounted on a pole were recording at the same time to capture the scene.*



# JCU eResearch Centre

*JCU's eResearch Centre is multi-disciplinary with IT professionals and members of the public. The aim is to advance tropical knowledge and harness the power of technology and data.*



JCU has an increasingly significant role in the development of eResearch globally, by engaging innovative and creative practices both locally and worldwide.

Current projects include the development of a Tropical Data Hub, the implementation of a comprehensive environmental monitoring system at JCU's Daintree Rainforest Observatory, the Smart Environment Monitoring and Analysis Technologies (SEMAT) project, and the Wallace Initiative – a website for climate predictions and variables using biodiversity and climate data.







# JCU Advanced Analytical Centre

*The JCU Advanced Analytical Centre (AAC) is a central analytical facility, providing a range of analytical instrumentation.*

The AAC is supported by highly-experienced staff and has projects ranging from the analysis of the oldest rocks on Earth to corrosion of medical implants, and reef ecosystems to archaeological artefacts.

The AAC provides access to a number of techniques covering the fields of microscopy and microanalysis, inorganic and organic chemical analysis, mineralogy/crystallography, and genetic analysis.





# JCU Fletcherview Research Station

*JCU's Fletcherview Research Station focuses on tropical Agriculture and Veterinary Science. It is a massive 1,960 hectare working cattle station situated 98 kilometres (60 miles) southwest of Townsville, in Australia's major cattle producing area.*



Students studying Tropical Agriculture and Tropical Veterinary Science obtain a hands-on practical experience associated with grazing in the dry Tropics.

The region experiences a wet season followed by a six-to-nine month dry season. Fletcherview also supports study in biology and botany, and field trips to examine the unique geomorphology and geology of its lava flows.





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JCU: This is Uni...  
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Apply online:  
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JCU Student Centre is your number one point of contact.  
JCU advisors will provide advice on courses and careers,  
subjects, fees, support services and scholarships.

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Cairns: 07 4232 1000

Freecall (within Australia): 1800 246 446

Email: [enquiries@jcu.edu.au](mailto:enquiries@jcu.edu.au)

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Print: Printcraft

Photography: 123RF, Andrew Rankin, Brad Newton, iStockphoto, Kerry Trapnell, NASA, Orpheus Island Resort, Paul Dymond, Matt Curnock, Luka Kauzlaric, Nicki Zieth, Shutterstock, Steven Nowakowski, Steve Rutherford, Through the Looking Glass Photography, Tourism Queensland, Amber Hill, Kate Hutson

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Information is correct at the time of printing.

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James Cook University CRICOS Provider code 00117J.

Content: Pacesetter coated, satin, 90gsm

Cover: Maine recycled, silk, 250gsm







# JCU Open Day is going online

Explore the latest at JCU Virtual Open Day and find out how you can become ready today for tomorrow. Attend virtual presentations, tour JCU's world-class facilities, take part in online activities and live chat with JCU advisors and academics. Whatever your passions, discover something fascinating at JCU Virtual Open Day.

[jcu.edu.au/openday](https://jcu.edu.au/openday)



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YEARS  
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