Why JCU?

Your world-class education begins here.

Explore, discover, grow through research and teaching that makes a difference to people and societies, the natural world and built environment.

1 QILT Employer Satisfaction Survey National Report.
2 Academic Ranking of World Universities (ARWU).
3 2018 The Good Universities Guide.
5 This is higher than the national average of 69.5% and higher than Qld metropolitan universities – UQ 72.8%, QUT 71.1% and Griffith 63.9% (Good Universities Guide).
<table>
<thead>
<tr>
<th>ON-CAMPUS ACCOMMODATION FOR OVER</th>
<th>STUDENTS FROM</th>
<th>‘WORLD CLASS OR BETTER’ IN 35 AREAS OF RESEARCH⁶</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,600 STUDENTS</td>
<td>108 COUNTRIES</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AUSTRALIA’S FIRST INTERNET OF THINGS RESEARCH LAB</th>
<th>117 INDUSTRY RESEARCH CONTRACTS</th>
<th>FIVE STARS FOR STUDENT SUPPORT⁵</th>
</tr>
</thead>
</table>

| FIVE STARS FOR SKILLS DEVELOPMENT³ | 14 DISTINGUISHED PROFESSORSHIPS | 91 PUBLIC SECTOR RESEARCH CONTRACTS | ➢ $1.9 Bn IN FUTURE INVESTMENT⁷ |

| ➢ $1.75 Bn JCU’S CONTRIBUTION TO HUMAN CAPITAL⁷ | ➢ $1.3 Bn ASSETS⁷ | ➢ JCU FLETCHERVIEW RESEARCH STATION | ➢ $0.8 Bn JCU’S ECONOMIC IMPACT⁷ |

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⁶ Excellence in Research for Australia (ERA) 2015. CWUR 2017 Rankings: Ranked number 2 in the world for biodiversity conservation. Ranked number 1 in the world for marine and freshwater biology.

³ 2017 JCU Economic Impact and Human Capital Report. CRICOS Provider Code 00117J
Welcome to James Cook University

JCU’s reputation for excellence in teaching and research is reflected in the quality of our courses, and the hands-on experiences you will receive. Our goal for you is to be work ready when you complete your degree and we are thrilled that our commitment to this goal has seen JCU ranked number one in Australia for Employer Satisfaction.*

In addition, JCU has received five stars for job success for the past seven years, which demonstrates how much employers value our graduates for their theoretical knowledge and practical experience.**

As you explore this study guide, you will discover the ways JCU can provide you with the support, skills, academics and facilities you are looking for to ignite your passion for learning and make life matter.

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

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.

*QILT Employer Satisfaction Survey (ESS) 2017
** The Good Universities Guide

Professor Sandra Harding
Vice Chancellor and President

Kassandra Savage (JCU Alumna), ‘Coming Together and Respecting Difference’, acrylic on canvas, 2014, 90cm x 90cm

RESPECT. NOW. ALWAYS.

Our commitment to Australian Aboriginal and Torres Strait Islander peoples

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Important dates

Careers markets 2018
  Western Sydney ....................................................................................................... 28 June - 1 July
  TSXPO Brisbane ..................................................................................................... 21 - 22 July
  Charters Towers Careers Expo ................................................................................ 25 July
  Townsville Careers Expo ........................................................................................ 6 August
  Proserpine Careers Expo ......................................................................................... 7 August
  Mackay Careers Expo .............................................................................................. 8 August
  Darwin Careers Expo .............................................................................................. 24 - 25 August

University Experience 2018
  JCU Townsville, Douglas ......................................................................................... 17 - 18 July

Inspire Me Week 2018
  JCU Townsville, Douglas ......................................................................................... 18 - 24 June
  JCU Cairns, Smithfield ............................................................................................ 18 - 24 June
  Inspire Me Day Mackay ........................................................................................... 23 June

Open days 2018
  JCU Townsville, Douglas ......................................................................................... Sunday 19 August
  JCU Cairns, Smithfield ........................................................................................... Sunday 26 August

Study dates 2019 (Cairns and Townsville)

Teaching period one 2019 (Semester one)
  Orientation (O Week) .............................................................................................. 18 - 22 February
  Classes begin ........................................................................................................... 25 February
  Mid semester break .................................................................................................. 22 - 26 April
  Classes end ............................................................................................................... 31 May
  Exam period ............................................................................................................. 8 - 21 June

Teaching period two 2019 (Semester two)
  Orientation (O Week) .............................................................................................. 22 - 26 July
  Classes begin ........................................................................................................... 29 July
  Mid semester break .................................................................................................. 30 September - 4 October
  Classes end ............................................................................................................... 1 November
  Exam period ............................................................................................................. 9 - 22 November

For more upcoming events please visit jcu.edu.au/events
To register for a campus tour please visit experience.jcu.edu.au/campus-tours

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.
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 Chaplaincy Centre is available as a free facility for you to practise 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

**On-campus social events and activities:** International students have the opportunity to meet and socialise with local Australian students and other student from around the world.
Over 4,000 students study at JCU Cairns, including approximately 380 international students. The spectacular campus location is surrounded on three sides by rainforest-covered mountains and close to the northern beaches. It is 15 kilometres (9 miles) north of the city centre in the suburb of Smithfield.

JCU Cairns houses state-of-the-art teaching and research facilities and health science laboratories, an information technology building, impressive library, student refectory, and outdoor sporting facilities.

Located in the city centre, the Cairns City Campus offers a range of flexible study, teaching and meeting areas, with high-speed internet and North Queensland’s first ‘moot court’ with e-court facilities providing practical training for law students. Access to video conferencing and catering facilities in the boardroom means staff and students can meet and network with businesses and the local community.

With over two million visitors annually, Cairns is one of the most popular tourist destinations in Australia, and its proximity to World Heritage natural environments provides you with unrivalled research locations and opportunities for field trips.
Townsville is a thriving coastal city port and Australia’s largest tropical city. Magnetic Island and the Great Barrier Reef are on its doorstep, and the savannah region and outback country towns lie to the west.

**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 students to practise their 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

**On-campus social events and activities:** International students have the opportunity to meet and socialise with local Australian students and other students from around the world

Townsville is famous for an average of 320 days of sunshine per year, so you’ll have plenty of opportunities to enjoy the outdoors.

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

[jcu.edu.au](http://jcu.edu.au)
Over 13,000 students study at JCU Townsville, including approximately 1,500 international students. The campus is located in a 386-hectare natural bush and parkland setting which is home to native wildlife. It is 13 kilometres (8 miles) from the city centre in the suburb of Douglas.

JCU Townsville houses teaching and research facilities, the main JCU library, cafés, bars, fitness and sporting facilities, and many student clubs and societies. Around 1,400 students live on campus in colleges and halls of residence, which give the campus a real community atmosphere.

The innovative three-storey Townsville City Campus, located in the heart of the city, delivers a range of facilities and services for the University, businesses and community organisations.

State-of-the-art teaching and research facilities are on offer at JCU Townsville, including the beautiful Orpheus Island Research Station which hosts scientists from around the world.
Singapore's unique characteristics and highly accessible infrastructure make the city one of the best places to live and study in Asia. As a JCU student in Singapore, you will experience the rich multiculturalism that exists on campus, as well as a first-class educational experience in one of the most vibrant cities in the world.

JCU Singapore

Climate: Dry season (March–August) 25°–32°C/77°–90°F
Wet season (September–February) 24°–32°C/75°–90°F

Food: Easy access to an abundance of fresh local foods. International cuisines from around the world can be found in Singapore. There are also plenty of vegetarian, vegan and halal options available.

Population: 5.4 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 male/female prayer room is available on-campus for student use

Medical: The JCU Singapore Psychology Clinic, a sick bay and 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.

On-campus sport: Basketball courts and a gymnasium are available for student use.
Travel and earn your degree at the same time
Keep your options open, go somewhere you wouldn’t expect. Get out of your comfort zone and keep your mind open to new people and new opportunities.

Experience Singapore
Immerse yourself in a diverse array of cultural experiences at JCU’s JCU Singapore. You can spend one or two semesters living in the vibrant, cosmopolitan country while studying at state-of-the-art facilities. Business, Education, IT, Tourism and Psychology students have a variety of subjects to choose from. If you study another discipline, you can use electives to form a study plan.

Short term programs/placements
Perhaps a shorter trip is more to your liking. Depending on what you study, you can apply to complete a placement or short course in locations such as China, Vietnam, Ireland, Scotland, Fiji, Vanuatu, Bali, Singapore, Thailand, Cambodia, India, Samoa, and Papua New Guinea.

"I know it is probably cliché but the highlight really was the entire experience. It was the best thing I have ever done in my life. It was nothing short of a dream. Keep your options open, go somewhere you wouldn’t expect. Get out of your comfort zone and keep your mind open to new people and new opportunities."

Azrae Hope
Bachelor of Environmental Management
Exchange @ University of Copenhagen
Denmark

New Colombo Plan
What better way to learn more about the Indo-Pacific region than to live and learn there? 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.

Field trip locations

**NORTHERN QUEENSLAND (NORTH QLD)**
Cairns
Mackay
Rockhampton
Townsville

**AUSTRALIAN CAPITAL & REGIONAL CITIES**
Brisbane
Darwin
Hobart
Launceston
Melbourne

**RURAL & REMOTE**
Alice Springs
Armidale
Barcaldine
Cape York
Charters Towers
Chillagoe
Chinchilla
Gympie
Killerney
Mareeba
Mount Isa
Port Stephens
Proserpine
Torres Strait Islands
Tully

**INTERNATIONAL**
Cambodia
Canada
China
Ecuador
Germany
Hong Kong
India
Indonesia
Fiji
Japan
Laos
Norway
Papua New Guinea
Samoa
Singapore
Sweden
Thailand
United Kingdom
Vanuatu
Vietnam
United States of America

jcu.edu.au/globalmobility
jcu.edu.au
James Cook University is the only university in Queensland to be awarded five stars for graduate job success seven years in a row by The Good Universities Guide. With field trips, Work Integrated Learning (WIL) and practical placements part of JCU’s degree programs, you graduate with the knowledge, confidence and work-ready skills you need to succeed.

Start your career studying at JCU

Work Integrated Learning (WIL)
Work Integrated Learning (WIL) is a formal program offered at JCU that links work and learning. You gain practical work experience as part of your degree which helps improve your academic learning and industry experience while developing important skills that employers want. WIL helps your transition into the workplace.

Practical experience is the key to success
From the reef to the rainforest to the dry Tropics of the outback, JCU prepares you for your career by offering field trips, clinical placements, internships, and work placements in unique locations around Australia and even overseas. Some of these locations include Orpheus and Fitzroy Islands on the Great Barrier Reef and JCU Fletcherview Research Station, 100 kilometres inland from the coast.

One of the best things about JCU’s law degree is that they start by teaching the theory side of law. A great lawyer doesn’t just know what the law is, they know why the law is what it is, how it got there and how it can adapt to the future and the lecturers do a great job at teaching you that.”

Mitchell Locke
Bachelor of Laws - Bachelor of Business, majoring in Economics
Selina Taylor  
Bachelor of Pharmacy

“I’ve been lucky enough to have a very successful pharmacy career in rural areas. I love the fact that I can go to someone’s house and spend an hour to two hours sitting with them, talking about their medications and their health in general and report all of the information back to the doctor with recommendations for change and see that change. There is nowhere else in the world that I could do that sort of work. I go to work because I love what I do and I feel like I can make a difference.”

Volunteering  
Extracurricular volunteering is highly valued by employers. At JCU we encourage you to take up the many opportunities to volunteer – you’ll have fun, learn, get real-life work experience and make new professional networks and friends.

Go global  
Stand out with your future employers by demonstrating a truly international education. Complete part of your Australian degree at one of over 50 partner universities from countries all over the world. For more information, visit jcu.edu.au/globalmobility

Employer satisfaction  
JCU graduates received the highest percentage of favourable ratings from employers in the Australian Government’s Quality Indicators for Learning and Teaching 2017 Employer Satisfaction Survey (QILT ESS)
JCU Accommodation

If you're looking for a place to call home during your time at JCU, look no further than our range of accommodation options. Our dedicated accommodation team can help you with your search for accommodation that suits you. For more information, visit jcu.edu.au/accommodation

Living on campus will help you get the most out of your time at JCU.

JCU offers five different styles of accommodation that houses over 1,200 students in Townsville and a brand-new complex for 300 students in Cairns. Living on campus is a great place to make new friends and get the most out of your studies.

We want your time at JCU to be rewarding, both academically and socially. Living among students from all over Australia and around the world, will give you the opportunity to experience other cultures and make new friends. The student accommodation in Cairns and Townsville are a short walk to your classes, the library and study hubs. You will have your own secure individual bedroom, which is your space to make your own. A bed, large study desk, chair, fan, wifi, good storage space and air-conditioning are provided. You will also have shared living spaces and common areas where students can study together, watch a movie or attend social events.

With the support of staff at the accommodation and access to study groups, tutors and nearby University resources, you can achieve academic success. The safety and security of our students living on campus is important to us. All bedrooms and living areas are secured and residential and security staff are available 24 hours.

Enjoy the benefit of music and dance competitions, sporting carnivals and social events that bring students together in an experience unique to living on campus.

On-campus accommodation

Townsville on-campus accommodation

<table>
<thead>
<tr>
<th>University Hall</th>
<th>George Roberts Hall</th>
<th>Rotary International House</th>
<th>Saints Catholic College</th>
<th>The John Flynn College</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 bedroom flat with living room</td>
<td>6-8 bedroom self catered apartment</td>
<td>Single sexed long corridor living or unisex wing with ensuite</td>
<td>8-12 rooms per deck with shared ensuite option</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cost per week from*</th>
<th>University Hall</th>
<th>George Roberts Hall</th>
<th>Rotary International House</th>
<th>Saints Catholic College</th>
<th>The John Flynn College</th>
</tr>
</thead>
<tbody>
<tr>
<td>$301</td>
<td>$321</td>
<td>$223</td>
<td>$352</td>
<td>$400</td>
<td></td>
</tr>
<tr>
<td>Number of rooms</td>
<td>282</td>
<td>250</td>
<td>118</td>
<td>296</td>
<td>250</td>
</tr>
<tr>
<td>Wifi in bedrooms</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Air-conditioning</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Most</td>
<td>Most</td>
</tr>
<tr>
<td>Fully catered (3 meals/day)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Bathroom</td>
<td>Shared</td>
<td>Shared</td>
<td>Shared and private</td>
<td>Shared</td>
<td></td>
</tr>
<tr>
<td>Linen provided</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Shared kitchenette</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Single sex wings offered</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

*Prices subject to change and may not include amenity fees or other annual fees. Please visit our website for most current information including contract lengths. Check online for frequency of housekeeping services.

“Meeting and making friends with wonderful people from many diverse degrees and hanging out with them in so many different social settings is one of the best things about living on campus.

The college offers so many different ways to help your studies. I found mentoring in first year very helpful, as older students from the same course would guide you throughout the year.”

Nancy Wang
Bachelor of Medicine, Bachelor of Surgery
Living costs
Living in Cairns or Townsville generally costs less than living in a capital city. The table below provides a guide to the approximate cost of living.

<table>
<thead>
<tr>
<th>Expense</th>
<th>Average weekly cost (A$)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off-campus accommodation</td>
<td></td>
</tr>
<tr>
<td>Rent 1-2 bedroom flat/unit*</td>
<td>$200–$350</td>
</tr>
<tr>
<td>Rent 3-4 bedroom house*</td>
<td>$310–$465</td>
</tr>
<tr>
<td>Electricity and gas**</td>
<td>$20–$40</td>
</tr>
<tr>
<td>Internet, mobile phone</td>
<td>$20–$55</td>
</tr>
<tr>
<td>Transport, travel</td>
<td>$10–$50</td>
</tr>
<tr>
<td>Homestay (including full room and board)</td>
<td>$190–$250</td>
</tr>
</tbody>
</table>

*Pricing and information is correct at time of printing but may change prior to placing your application.

How to apply
JCU on-campus accommodation offers a range of living and support options to suit individual preferences. To complete your online application form and learn more about each accommodation facility visit jcu.edu.au/accommodation. We look forward to meeting you on campus.

Off-campus accommodation
If you would prefer to live off campus, the JCU Accommodation team can also assist you with finding off-campus housing in nearby share houses, private rental properties, homestays or hostels.

Our website provides a database of properties located close to JCU. The database is regularly updated.

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. Also 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. Learn more about living off campus at jcu.edu.au/accommodation.

Short-term accommodation
The JCU Accommodation team can assist in organising short-term accommodation for students. Just fill in your details on the short-term accommodation page on our website and we will arrange it for you.

jcu.edu.au/accommodation/short-term-stay

Singapore accommodation
Students studying at JCU’s JCU Singapore should contact the Singapore Accommodation Assistance Service. There is no on-campus accommodation, but you can choose from a wide variety of accommodation types to suit different budgets and needs.

Whether you choose to stay in off-campus hostels, a serviced apartment, private rental or shared accommodation, the Accommodation Assistance Service team help review your accommodation options to find the most suitable place to live.

You can login to our Pre-Arrival System for an accommodation application, or email us at accommodation-singapore@jcu.edu.au for an initial enquiry. Alternatively, if you are visiting Singapore, you may call us on 6709 3888 to arrange an accommodation inspection.
Life as a JCU student is about pursuing your passions both inside and outside of lectures and tutorials. JCU students form a vibrant community ideal for meeting new people, having fun, developing lifelong skills and living a happy and healthy life.

Gigs, social events, sports, academic workshops – whatever your interest is, we’ve got it covered.

jcu.edu.au/student-life

TropEco: Sustainability in Action

If you’re passionate about sustainability and want to actively contribute, this award-winning program is for you. You can volunteer in a range of TropEco activities, from bike workshops to community gardens and beyond. TropEco has a fantastic Intern program where you can gain valuable work experience and collaborate with enthusiastic likeminded people.

jcu.edu.au/tropeco

Student Association

The JCU Student Association (JCUSA) is here to represent you, support you and generally ensure you’re cared for during your time at University. We provide free independent advice and support to all students. As a JCUSA member you’ll meet new friends, be invited to our events and receive many other membership benefits.

JCUSA also has a range of clubs and societies, from course-based clubs to sports, social, cultural and religious clubs. Being part of a club or society is a great way to have fun, meet new people, learn new skills and immerse yourself in your interests.

jcusa.edu.au

O Week

Plunge into university life with a range of fun, informative and interesting activities to help you succeed. The JCU Orientation Program runs over six weeks, starting the week before Orientation Week (O Week) and finishing in Week 4. You will get to know the campus, other students, lecturers, and support staff, as well as attend information sessions and free fun activities.

jcu.edu.au/getready4uni

Both Cairns and JCU Townsville are surrounded by natural vegetation.

Getting involved in campus activities is fun and a great way to make new friends.
We’re here to help you succeed

STUDENT MENTORS
The JCU Student Mentor Program matches experienced, successful students (Mentors) with commencing undergraduate students from the same course of study during O Week. Mentors are trained as peer volunteers and agree to share their knowledge and experience with new students to help you through your first study period. New students who have a Mentor increase their success rates by up to 17 per cent, so be smart and get some support!

jcu.edu.au/mentor

THE LEARNING CENTRE
This is your one-stop-shop for academic assistance. We can help with study skills, time management, exam preparation, academic reading and writing, assessment preparation, as well as numeracy and basic statistics development. If English is not your first language, we can help develop your language skills for studying at university through workshops and online programs.

jcu.edu.au/learning-centre

LIBRARY SERVICES
The library provides 24/7 access to online scholarly information and resources that assist with assignment research, referencing, and basic library enquiries. Assistance is available in person and online via our chat service during our extensive library opening hours. We welcome you to our comfortable zoned study spaces, which include access to our collections, WiFi, computers, printers and 3D printing.

jcu.edu.au/library

YOUR HEALTH & WELLBEING
Explore ways to reach your full potential through free and confidential wellbeing services. Counselling and Wellbeing staff can support you with social, emotional, welfare and personal issues. AccessAbility services are here if you have a temporary or permanent injury, illness or health condition that will impact on your study, and JCU also has a multi-faith chaplaincy service.

jcu.edu.au/sew

CAREERS & EMPLOYMENT
Get a head start on your dream career with the support of our Careers and Employment team. They can help you plan for success and take charge of your career pathway from your first year at JCU.

jcu.edu.au/careers

LOOKING FOR FINANCIAL SUPPORT?
We have a range of financial support options to help you with the costs of studying.

jcu.edu.au/students/fees-and-financial-support

DO YOU NEED CHILDCARE?
Different types of childcare are available to cater for your needs. The JCU Townsville has two childcare facilities. In Cairns, childcare centres are located near the campus and in surrounding suburbs.

ARE YOU AN ELITE ATHLETE?
JCU provides support and flexibility for elite athletic students to achieve both academic and athletic excellence during their university studies.

jcu.edu.au/elite-athletes

For the past seven years, JCU has received five stars for job success
The Good Universities Guide
Indigenous Education and Research Centre

Student support
For Australian Aboriginal and Torres Strait Islander students

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

We are dedicated to helping you reach your full potential. The Centre is located at JCU’s campuses in Cairns and Townsville. We offer mentoring, professional development opportunities, study sessions and much more. We have fantastic learning facilities and computer labs, which are open all day, every day and are in secure and monitored spaces.

We understand that everyone has different learning styles, learns at different levels and at their own pace. You may be a visual learner, a hands-on student, prefer to solve problems and put theory into practice, or have another style of learning. During your study, we strive to help you become an independent learner. We can help you 'learn to learn' and develop ways to meet academic demands and expectations. We have many people in our friendly team who can help you build strategies and stay motivated. Think of us as family.

Reaching your potential
Our Indigenous Student Support Advisors can help find information, develop study strategies and provide mentoring. Think of them as your one-stop shop for information on admission pathways, course advice and study options. They also provide support on health and wellbeing, accessing services and can keep you focused on your passion and direction.

Study success
Our Indigenous Academic Support Advisors provide assistance in a friendly and encouraging environment. They can provide academic coaching, help you develop strategies to identify areas of improvement, assist you to create effective study plans, stay motivated throughout your studies and much more.

Indigenous Tutorial Assistance
You can access free tutoring throughout your degree. Combining academic coaching with your own commitment can reduce stress and improve results. You will be matched to 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 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.

Contact us
jcu.edu.au/ierc

“I found what worked for me was the help of the Support Advisors at the Indigenous Education and Research Centre, and by just having a yarn with people there. I really like The Centre and knowing that I have somewhere to go, especially because I was shy when I started university. They are like a family, everyone supports and helps each other.”

Laura Jensen
Bachelor of Nursing Science - Bachelor of Midwifery
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 the next page for more information about JCU’s free Tertiary Access Course (TAC).

**DIPLOMA OF HIGHER EDUCATION**
Refer to the next page for more information about the JCU Diploma of Higher Education.

**Do you want to be a teacher?**
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).

RATEP* is a community-based Australian Aboriginal and Torres Strait Islander teacher education program.

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 or at our Thursday Island study centre, as well as have short on-campus sessions in Townsville. 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

*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 (TSIRECC)

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**Do you want to be a dentist, a doctor, a nurse or have an exciting career in the health sector?**
If you don’t meet the entry requirements of your chosen health degree, JCU’s Indigenous Health Careers Access Program (IHCAP) may be for you.

Dedicated IHCAP Officers and Academic Advisors will work with you to build your skills and strengthen your capabilities for successful study at university.

IHCAP disciplines include:
- Bachelor of Biomedical Sciences
- Bachelor of Dental Surgery
- Bachelor of Exercise Physiology (Clinical)
- Bachelor of Medical Laboratory Science (Honours)
- Bachelor of Nursing Science
- Bachelor of Occupational Therapy (Honours)
- Bachelor of Pharmacy
- Bachelor of Physiotherapy
- Bachelor of Speech Pathology
- Bachelor of Sport & Exercise Science
- Bachelor of Veterinary Science.

This Program is the only one of its kind in northern Queensland and offers an orientation course held on our JCU Townsville in January. Our dedicated staff help you adjust to university study by providing practical advice, such as budgeting, planning, time-management, as well as study skills.

When you submit your application to QTAC nominate JCU as your first preference for the health course of your choice and indicate that you are of Aboriginal and/or Torres Strait Islander descent. If you are accepted into a JCU health degree and have identified as Aboriginal and/or Torres Strait Islander, our friendly staff will contact you.

jcu.edu.au/ihcap

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**Admission pathways**

*For Australian Aboriginal and Torres Strait Islander students*

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“I visit the Indigenous Education and Research Centre regularly. They are like my family. I head in to have a yarn most of the time and I occasionally use the other services provided. I like the space and environment of The Centre.”

Assan Sam
Bachelor of Sport and Exercise Science
Admission pathways

Diploma of Higher Education
If you want to study but don’t have the prerequisites or haven’t studied for a while, the Diploma of Higher Education is your pathway to success. You can complete subjects in your chosen degree while receiving advice and support to become a successful university student. In just one year, you can have the skills and knowledge to progress into your chosen degree.

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.

<table>
<thead>
<tr>
<th>What it offers</th>
<th>What you gain</th>
</tr>
</thead>
<tbody>
<tr>
<td>One-year full-time study (part-time available)</td>
<td>A recognised qualification</td>
</tr>
<tr>
<td>Preparatory and first-year subjects</td>
<td>Entry to many JCU Bachelor's degrees</td>
</tr>
<tr>
<td>Advice and support from staff before and during course</td>
<td>Additional credit from subjects</td>
</tr>
<tr>
<td>Induction program to support transition to university</td>
<td></td>
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<tr>
<td>Tailored study plans to suit specific undergraduate degrees</td>
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</table>

Available study areas: Business Studies, Engineering and Applied Science, General Studies, Health, Information Technology, or Society and Culture

jcu.edu.au/diploma

Enabling Course - Tertiary Access Course (TAC)
Choose the Tertiary Access Course if its been a long time since you studied, you are not confident studying online, or you didn’t finish high school. TAC is a free course designed to help build your confidence and skills by providing small classes supported by experienced, friendly staff. Full-time, you can complete the TAC in one semester (14 weeks). Part time is also available.

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

jcu.edu.au/TAC

Investing in your future

Fees and scholarships

Tuition fees
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. Our friendly JCU Student Centre team can help you find out what financial support options are available, including the HECS-HELP and FEE-HELP loan schemes. More information and eligibility criteria are available online.

studyassist.gov.au

Student Services and Amenities fee (SSA fee)
This fee is used to improve the range and quality of student support services and facilities, and is charged according to study load. Eligible students can defer paying the SSA fee by applying for the government’s SSA-HELP loan scheme.

Scholarships, bursaries and grants
You may be surprised at the range of financial support that is available to JCU students. Scholarships, bursaries, and grants are offered to assist financially, and we have a wide range of options for students starting their first degree at JCU. JCU offers many scholarships and grants. Many government departments, business and industry groups also offer external scholarships. JCU also 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.

jcu.edu.au/scholarships
Undergraduate degrees and diplomas

Study modes
Work Integrated Learning (WIL) is now best practice in many parts of the world. At JCU we incorporate WIL in our courses through clinical placements, practicums, fieldwork, internships, and projects.

Most JCU courses and subjects offer face-to-face teaching, providing you with a high level of study support and interaction with academics and other students.

A three year full-time course typically consists of 24 subjects.

Most subjects require weekly attendance at a lecture followed by participation in a small group tutorial. JCU also offers degrees that can be studied externally/online (limited attendance on-campus may be required).

Mid-year enrolment (July start)
Mid-year enrolment is available for many of our undergraduate courses. Check out the Undergraduate degrees table on page 78-81.

Assessment
Our subjects have a variety of assessment methods, including essays, oral presentations, group projects, examinations, quizzes, practical examinations, professional placements, and laboratory reports.

Career outcomes
JCU graduates are highly valued by employers for their combination of academic skills, practical experience, and strong communication and technological skills, which is why JCU is number one in Australia for Employer Satisfaction.*

Our Careers and Employment team can help you from the day you start your study at JCU. We encourage you to start networking, explore your options, and learn how to promote your skills.

Course icons
These icons represent particular course details, look for them at the start of course information.

*QILT Employer Satisfaction Survey (ESS) 2017
Open yourself to a world of possibilities by choosing a JCU Arts degree – it’s your pathway to many exciting career choices.

**Bachelor of Arts**
- A flexible Bachelor of Arts (BA) is your gateway to a wide range of rewarding careers in Australia and overseas.
- Choose the JCU Bachelor of Arts if you want to pursue a career in professions such as anthropology, archaeology, the creative arts, and criminology, as well as an array of opportunities in the fields of history, politics and international relations, languages, literature and creative writing.
- Learn valuable, work-ready skills in critical thinking, problem solving, report writing, using technology for research and communicating, teamwork and managing your time.

**Overview**
You can keep your career options open when you choose JCU’s flexible Bachelor of Arts degree. Explore areas of study that focus on your strengths and interests. Select from diverse Major and Minor options, or study a Joint degree that gives you even more career choices when you graduate. Gain international study opportunities. Participate in research in Australia or the Asia Pacific region, and gain valuable experience through practical work placements.

**Anthropology**
- Explore social, linguistic, and cultural differences in order to understand historical, political and economic relationships in the contemporary world.
- Use your qualifications in a remarkable variety of careers in the business, government and not-for-profit sectors.
- Opportunities to participate in exciting field work in JCU’s unique tropical locations in the midst of diverse, living social and cultural history.
- Learn research and analytical skills from JCU’s internationally acknowledged researchers.

Overview
Choose JCU Anthropology to gain a deep understanding of cultural difference and how people’s beliefs and practices fit into a wider social, political and economic context – skills that are critical in decision-making for governments, corporations and not-for-profits in Australia and internationally.

This flexible study choice includes Anthropology subjects such as:
- Anthropology of Violence
- Medical Anthropology
- Culture, Knowledge and Environment
- Myth, Ritual and Religion
- Anthropology and Development
- City Life: Anthropology of Urban Space
- Image, Art and Design
- Anthropological Linguistics
- Australia through Time and Place.

To gain even more skills to help you expand your career choices, you can combine this Major with a second Bachelor of Arts Major. Popular combinations with Anthropology include History, Archaeology and Human Geography. You may also include electives from the following wide variety of fields:
- Arts – History, Indigenous Australian Studies
- Social Sciences – Anthropology, Sociology
- Science – Geology, Environmental Science, Soil Science
- Creative Arts & Media – Photography.

**Archaeology**
- Opportunities for awe-inspiring field trips around North Queensland and South East Asia.
- Explore Pacific, Asian, Australian Aboriginal, Torres Strait Islander and Australian Colonial societies.
- Find signs of early European visitors to Australia.
- Participate in practical archaeology site recording, report writing, and learn how to treat and analyse finds.
- Learn from the experts at the Tropical Archaeology Research Laboratory, based on both the JCU Cairns and JCU Townsville campuses.

Overview
If you enjoy thinking about the past, have a good eye for detail, don’t mind working outdoors in isolated environments, have an enthusiasm for research, enjoy working as part of a team, have good writing skills and an aptitude for working with technology, you’ll enjoy studying Archaeology at JCU.

The JCU program offers a broad range of Archaeology subjects beginning with a first year introduction to the world of archaeology, followed by more specialised offerings on Evolutionary, Forensic, Asian, Australian and European Archaeology.

To gain even more skills to help you expand your career choices, you can combine this Major with a second Bachelor of Arts Major. Popular combinations with Archaeology include History, Anthropology and Human Geography. You may also include electives from the following wide variety of fields:
- Arts – History, Indigenous Australian Studies
- Social Sciences – Anthropology, Sociology
- Science – Geology, Environmental Science, Soil Science
- Creative Arts & Media – Photography.

JCU Archaeology students can undertake field trips to SE Asia.
Criminology

✓ Gain valuable skills in critical thinking, problem solving, policy analysis and research methodology
✓ Learn why people are motivated to commit crime
✓ Develop an understanding of youth deviance and how society responds to such behaviour
✓ Explore strategies to prevent crime and to rehabilitate offenders
✓ Participate in a wide range of extracurricular criminological student activities (JCU Townsville)

Overview
This course equips you with skills that lead to careers where you can make a difference. It combines subjects from Sociology, Anthropology, Politics, Archaeology, and Governance. Subject topics include:
• Criminal Law including Crime Prevention and Community Safety
• Australian Society: An Introduction to Sociology or The Political World: An Introduction to Political Science
• Deviance, Crime and Society
• Anthropology of Violence
• Forensic Archaeology or Qualitative Research
• Perspective on Criminology
• Crime Prevention and Community Safety
• Policy Analysis and Management
• Youth Deviance.

For additional expertise, you can combine this Major with a second BA Major, such as Sociology, Anthropology, History, Politics and International Relations, Psychology, Human Services or Indigenous Australian Studies.

You can also enhance your career prospects by studying a joint degree.

Design & Creative Arts

✓ Develop essential skills in design thinking and practice that are vital for a fast-changing world
✓ Design with intent and develop your own creative vision
✓ Gain technical skills and confidence through experiential learning
✓ Benefit from flexible blended learning with online lectures, face-to-face tutorials and practical classes
✓ Learn from creative industry specialists and highly regarded artists
✓ Increase your creative skills and work as a creative specialist
✓ Form your own professional body of creative work

Overview
Pursue your passion for design and creativity. JCU Design and Creative Arts spans a diverse area of practice and thinking with an emphasis on human-centred design. A focus on experiential learning gives opportunities to explore the creative world and develop valuable technical skills. Practical classes and tutorials provide supportive learning environments for you to develop skills with technical equipment, software and programs. Immerse yourself in learning and experimenting to nurture your creativity and develop your own design aesthetic. Sharpening your critical thinking and design thinking skills strengthens your ability to seek solutions for a better world.

English

✓ Indulge your passion for literature and writing
✓ Explore the riches of literature in English across the ages
✓ Grow your historical and cultural understanding
✓ Learn high-level research, communication, critical reasoning, persuasion, negotiation and analysis skills that are valued in workplaces

Overview
Flourish as part of JCU’s traditional and flexible English program that combines core subjects in Arts and Literature with electives that include History, Political Science, Indigenous Australian Studies or Sociology. Stand out from the crowd by combining English with a second Major such as History, Multimedia Journalism, and Writing. You’ll study:
• Australian Literature
• Creative Writing
• Children’s Literature
• Telling Tales: Approaches to Narrative
• Great Books: Epochs and Classics
• Banned Books: Censorship and the Regulation of Culture in Australia
• Progress and Anxiety: The Victorian Age
• Modern Literature
• The Romantic Vision
• Literature, Print and Society in Comparative Contexts 1920-50
• Reading and Writing the Short Story
• Australian Urban Fictions
• Postcolonial Narratives: Writing, Place, and Identity
• Heroism and Humanism: Shakespeare and the English Renaissance.

When you graduate, you’ll have a clear understanding of the English language, with insights into how humans interact and high-level communication and reasoning skills – fundamental knowledge that will help you move into a wide choice of interesting careers.
Undertake some time travel by learning about the history of Australia and its region.

Study Australian and world history, including the history of North Queensland.

Explore past social and cultural conditions to gain a deep knowledge about humanity.

Learn about political and economic events, as well as environmental and cultural change over time.

Learn to apply skills that are valued - critical thinking, independent judgement, intercultural sensitivity, and using national, regional and global perspectives to identify and solve problems.

**Overview**

History at JCU enables you to build research and communication skills that provide a stepping stone to a fulfilling career. You’ll be able to access the University’s Eddie Koiki Mabo Library (located at JCU Townsville), which holds an extensive collection of rare books, photographs and oral history. The wealth of knowledge at your fingertips provides indispensable tools for budding historians. Study topics include:

- Australian History
- Environmental History
- The World of Archaeology or Australian Society
- The History of Global Connections
- Australia and Pacific Exploration
- Ancestors and Emperors
- Researching History in Australia
- Modern World History.

As you study, you will learn to construct an argument, and communicate findings clearly and persuasively, and you’ll be able to discuss ideas, negotiate and summarise - all abilities that are valued by employers.

Your JCU Bachelor of Arts in History program is highly flexible. You can combine core subjects from Arts and Humanities with electives from, for example, Literature, Politics and International Relations, Indigenous Australian Studies or Science.

To enhance your career prospects, you could also choose to study a joint degree.

**Human Geography**

Study Human Geography in some of earth’s most spectacular environments.

Have unparalleled access to environments that provide information sources for geographers from around the world, such as:

- The Great Barrier Reef Marine Park
- World Heritage-listed rainforests of the Wet Tropics
- Tropical savannah
- Wetland environments
- Tropical urban environments.

Enjoy work experience and project work opportunities, and build valuable networks within:

- The Great Barrier Reef Marine Park Authority
- The Wet Tropics Management Authority
- Queensland’s Department of Employment, Economic Development and Innovation
- Environmental Protection agencies.

**Overview**

This Human Geography degree enables you to explore the interactions between people, natural events and the environment. You’ll learn to bring together a combination of specialist skills to tasks like environmental and town planning, land management, regional sustainability and environmental impact assessment.

More than compasses and spinning globes, you’ll study climate, hydrology, coastal science and impact assessments which are skills you can use to solve major ecological and environmental problems. Learn valuable work skills like identifying problems, evaluating explanations, analysing data, computing techniques, methods of laboratory analysis used in physical geography, and strategies for recommending solutions. Get involved in fascinating practical project work, where you’ll work in teams or alone. You’ll study topics like:

- Environmental Processes and Global Change
- Human Geography
- Population Geography and Demography
- Urban Geography and Design
- Introduction to Geographic Information Systems
- Human Dimensions of Nature, Environment and Conservation
- Planning for Sustainable Communities in a Changing Environment or Disasters, Communities and Planning
- Environmental and Social Impact Assessment.

You can enhance your career prospects if you choose to study a joint degree in a complementary discipline.

**Human Services**

Learn to work with individuals, families and communities to overcome adversity and foster life change.

Study with professionals who have teaching and career experience.

Build networks and gain practical skills and knowledge that will help you forge a satisfying career.

**Overview**

Study social policy, community planning and development, education and capacity building, organisational practice, and social responsibility with JCU’s expert staff. Benefit from JCU’s research culture and working relationships with government agencies and local community groups. Most subjects invite guest lecturers from the industry to share their expertise. You’ll learn skills that will enable you to make a difference in the youth and criminal justice system, community planning and development, social policy development, welfare practice, disaster relief, child and family services, or aged care fields. Study areas include:

- Self in Professional Helping
- Human Rights and Social Justice
- Professional Values and Ethics
- Interpersonal Practice, or Aboriginal & Torres Strait Islander Skills and Frameworks for Practice
- Community Work
- Organisational Practice, or Australian Women's Studies
- Social Welfare Practice with Children and Families, or Social Work and Mental Health
- Group Work or Developmental Approaches to Eco-Social Justice.

You may also choose to study a second Major, without extending your study duration. Complementary Majors are Psychology Studies, Sociology, Criminology and Indigenous Australian Studies. To enhance your career prospects even more, you could study a joint degree.
Modern Languages

- Study French, German, Italian and Japanese
- Choose two languages if you wish
- Beginner and Advanced studies available
- In third year, study for six months at a university in a country of your chosen language - two periods of six months if you’ve chosen two languages
- Work for businesses requiring skills in negotiations related to trade, treaties, security, environment, international aid and human rights
- Credentialed and highly qualified staff, possessing a deep knowledge of language, society and culture, connecting with our region and the broader world

Overview
Add language studies as a positive addition to other subject areas like Science, Literature or Politics. Learn to listen, speak, read and write your chosen language or languages, and enhance your career opportunities.

Multimedia Journalism & Writing

- Learn to write copy for print, broadcast and online media
- Grow your skills in web design, graphic design, sound and music, and online content
- Produce photographs, radio documentaries and video journalism stories
- Get practical experience on JCU’s own online news platform
- Study with lecturers who have successful journalism and media industry experience

Overview
This exciting JCU Bachelor of Arts Major equips you with the diverse range of skills you’ll need to succeed in today’s fast-changing creative and news media environments. You’ll develop generic and specialist skills and learn workplace skills like planning, writing, editing and critical reading. You explore:
- The responsibilities and roles of all these fields
- PR skills such as writing media alerts, media releases, backgrounder and more
- Journalism and creative writing skills such as how to analyse your own and others’ stories, and drafting and editing stories for publication
- How to use the latest technologies to gather stories on the move
- Strategies for producing a variety of stories covering world, national or local community issues
- How to survive in today’s evolving newsrooms and workplaces.

The practical work you’ll complete, mostly working in small teams, will form the basis of your professional portfolio.

Subject topic areas include:
- Creative Writing
- Short Story Writing
- Effective Writing
- Introduction to Multimedia Journalism
- Broadcast Journalism
- Writing for Multimedia
- Sociology of Digital Life
- Public Relations Campaigns
- Multimedia Writing Projects.

Depending on your own interests and goals, you could enhance your career prospects by studying a joint degree.

“There is so much to marvel at, knowledge is a powerful tool. I always like to say to people, ’Take a chance on yourself, you are the master of your fate and the captain of your soul’.”

Tracey Hough
Bachelor of Arts
majoring in English and Anthropology
Open yourself to a world of possibilities by choosing a JCU Arts degree – it’s your pathway to many exciting career opportunities.
Politics & International Relations

✓ Explore Australian, Asia-Pacific and international political institutions and processes
✓ Study diplomacy, political economy and globalisation
✓ Take the chance to participate in a parliamentary internship

Overview
Study the people, institutions and issues involved in Australian and international politics. Learn how power is exercised and how it makes a difference in people’s lives. Equip yourself with knowledge that will help you build a career that involves analysing big issues and providing strategic advice on domestic and international affairs and policy for governments, business, industry and non-government organisations.

Subject topic areas include:
• The Political World
• Modern World History, or Anthropology
• Political communication in the Global Environment
• Government and Politics in Developing Areas
• International Politics and Foreign Relations
• Australia and World Politics
• Democracy and the State.

Depending on your own interests and goals, you could enhance your career prospects by studying a joint degree.

Psychology Studies

✓ Gain a deeper understanding of the biological, social and cultural factors that influence how humans think, feel and behave
✓ Explore psychology skills you can use in many careers like marketing, advertising, writing, media and human resources
✓ Study with Bachelor of Psychology (Honours) students and be part of real-world scenarios
✓ Learn strategies to resolve disputes

Overview
This is the Major for you if you are interested in psychology but also wish to study other areas of the arts, humanities and social sciences. It is NOT right for you if you’re planning to become a Registered Psychologist, in which case you should choose JCU’s Bachelor of Psychological Science. Psychology Studies explores the history of psychology, methods, the nervous system, memory, cognition, intelligence, motivation, emotion, health psychology, personality and psychological disorders. Examples of subjects you could choose are:
• Memory and Cognition
• Psychological Neuroscience
• Connecting Social, Psychological and Physical Health
• Describing and Analysing Behaviour
• Social Psychology in Everyday Life
• Learning Processes, Behaviour and Performance.

Depending on your own interests and goals, you could enhance your career prospects by studying a joint degree.

Sociology

✓ Discover how to look at the world in new ways
✓ Learn analytical skills that will help you into many careers in the business, industry, government or not-for-profit sectors
✓ Choose electives that fascinate you – History, Law, Politics, International Relations

Overview
If you’re curious about society and want to understand “the bigger picture”, this course will give you the analytical tools and knowledge you’ll need. Learn how society is organised and how we experience life with each other and within institutions. Study topics that will be valued in organisations that need planners, product researchers, community project managers, policy analysers, administrators, advocates and much more. Subjects you may choose include:
• Australian Society: An Introduction to Sociology
• Anthropology: Cultural Diversity in Global Perspective or Crime, Deviance & Society
• Power and Protest in a Globalising World
• Qualitative Research
• Social Analysis of Contemporary Australian Issues.

To gain even more skills to help you expand your career choices, you can combine this Major with a second Bachelor of Arts Major. Popular combinations with Sociology include Criminology, Anthropology, and Psychology Studies. You may also include electives from the following wide variety of fields:
• Arts – Archaeology, History, Literature, Indigenous Australian Studies
• Science – Environmental Science, Town Planning
• Social Work and Education.

Other electives include:
• Youth Identity and Popular Culture
• Family, Gender and Sexuality in Contemporary Society
• Migration, Ethnicity & Belonging
• Sociology of Digital Life.
Bachelor of Biomedical Sciences

✓ Study a JCU degree that explores the foundations for the clinical practice of human and veterinary medicine
✓ Learn diverse skills – from conducting groundbreaking medical research, to helping shape future health policies, to teaching future scientists
✓ Gain practical work skills and build industry networks during your work experience in local hospitals and scientific laboratories

Overview
Here’s your chance to be at the forefront of rapidly advancing scientific discoveries. Prepare for a career in medical research, in the food industry, in scientific sales and marketing, in biotechnology companies, or diagnostic and pharmaceutical industries. Learn the practical and multidisciplinary skills employers want.

Focus on biomedical issues relevant to the Tropics, with a particular emphasis on health issues faced by rural and remote communities. Work with current technologies and learn the latest techniques from JCU’s internationally-recognised staff. Subject topic areas include:
• Anatomy and Physiology
• Pathology and Pharmacology
• Infectious Diseases and Immunology
• Microbiology and Parasitology
• Epidemiology
• Molecular and Cell Biology.

An Honours degree option is available for high-achieving students who wish to pursue research or academic careers.

Note: You’ll require immunisations, current Queensland First Aid and CPR certificates, and a Suitability to Work with Children (Blue Card). For some placement options an Australian Federal Police check is required.

“I applied for the Bachelor of Biomedical Sciences with the end goal of Medicine. I stuck with biomed, not only because I found it interesting and engaging, but because it’s essential. While biomedical scientists aren’t front and centre like doctors are, the work we do is ground-breaking.”

Eva Duck
Bachelor of Biomedical Sciences
Bachelor of Business

The Bachelor of Business is a flexible degree with an innovative approach to subject choice that helps personalise the course to suit your particular interests. Your initial step into business at JCU is through a range of core subjects before choosing your area of specialisation by selecting a business Major.

A Major is a series of eight subjects. It is possible for you to specialise further by adding a second business or non-business Major or business Minor. A Minor is a group of four subjects designed to complement your selected Major.

Possible combinations of Majors and Minors are dependent on the primary Major chosen, your location and mode of study. For further information please visit: jcu.edu.au/business

“I did a shared WIL professional internship with Sealink Queensland and the Australian Festival of Chamber Music. It was a great experience to get that real industry work and the businesses tailored the experiences to what I wanted to learn and improve on.”
Andrea Busiko
Bachelor of Business, majoring in Marketing and Communication Design

Overview
In addition to the core subjects in this course, the subject topic areas within this Major include:

- Accounting Principles and Systems
- Company Accounting
- Contemporary Issues in Accounting
- Performance Management and Control
- Auditing
- Cost Management Accounting
- Financial Management
- Business Modelling.

You can choose to combine your accredited Accounting degree with a Bachelor of Laws or you can choose a Minor. Minors (groups of four subjects) might include Business Intelligence, Communication Design, Financial Management, Government & Policy, Managerial Economics, Marketing, Media Design, Social Marketing and Not-for-Profit Marketing, Socio-Ecological Economics, Sustainability or Tourism Management.

Bachelor of Business (Accounting)

<table>
<thead>
<tr>
<th>Bachelor of Business core subjects (8 subjects)</th>
<th>Accounting Major (11 subjects)</th>
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</table>

Choose one of these options

- Financial Management Major (5 subjects)
- Business Law second Major (5 subjects)
- 1 Minor (4 subjects) + 1 elective subject
- 5 elective subjects

Bachelor of Business (all other Majors)

<table>
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<tr>
<th>Bachelor of Business core subjects (8 subjects)</th>
<th>Other Majors (8 subjects)</th>
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Choose one of these options

- Second Major (8 subjects)
- 2 Minors (2 x 4 subjects)
- 1 Minor (4 subjects) + 4 elective subjects
Banking & Finance

✓ Learn skills that will enable you to help businesses thrive
✓ Understand how banking and finance works in a modern global economy
✓ Gain genuine work experience and be work-ready when you graduate
✓ Grasp opportunities to network with experts in their fields who come to JCU as guest lecturers

Overview
Learn about international finance and sustainable economic growth, with a particular focus on the Asia-Pacific region. Explore the different approaches to managing financial institutions including commercial banks, rural cooperatives and microfinance institutions. Enhance your skills through an internship or an independent or multidisciplinary project. You can choose to study this Major online. Broaden your career choices by combining your Major with Economics or International Business. In addition to the core subjects in this course, the subject topic areas within this Major include:
• Financial Management
• Personal Portfolio Management
• Financial Institutions and Markets
• Risk Management
• Management of Financial Institutions
• Finance of International Trade
• Credit and Lending Decisions
• Treasury Management.

Business Intelligence & Information Systems

✓ Learn how to integrate the latest IT systems into 21st-century business strategies
✓ Understand how to apply electronic methods to market products and keep in touch with customers and employees
✓ Explore management of technology systems and how to handle unstructured data to help identify, develop and create business opportunities
✓ Gain genuine work experience and be work-ready when you graduate

Overview
Learn skills that will help you launch an exciting and well-paid career in Australia or internationally. Prepare yourself to experience opportunities in small, medium, large or multinational corporations and network with experts in their fields who come to JCU as guest lecturers. Specialise and stand out from the crowd by choosing from amazing options - an additional Major, two Minors, one Minor plus four elective subjects, or eight elective subjects. In addition to the core subjects in this course, the subject topic areas within this Major include:
• Fundamentals of Problem solving and Programming
• Interactive Media and Web Technologies
• Database Modelling
• Collective Intelligence and Social Networks
• Enterprise and Information Security
• E-Strategic Management
• Data mining
• Information Security
• Information Processing and Visualisation.

Economics

✓ Gain local and global economics expertise that employers value
✓ Explore regional issues like natural resources, sustainability, Indigenous perspectives and their policy implications
✓ Study issues specific to the Asia-Pacific region
✓ Prepare yourself for an interesting career in banking, accountancy, stockbroking, statistics, auditing, business management and much more

Overview
Choose from a range of elective business subjects that enable you to develop your own interests. Choose to study a Joint degree or double Major. Gain membership of respected professional bodies when you graduate. In addition to the core subjects in this course, the subject topic areas within this Major include:
• Managerial Economics
• Macroeconomic Policy
• Economics and Sustainable Resource Management
• Behavioural Economics for Sustainable Policy
• Economic Growth and Sustainable Development
• Contemporary Economic Policy and Social Welfare
• Cost Benefit Analysis
• Data Collection, Analysis and Interpretation in Economics.

An Honours degree option is available for high-achieving students who wish to pursue research or academic careers.
BUSINESS

JCU Cairns  
JCU Townsville  
Study Externally  
JCU Singapore  
Brisbane Campus

Start Semester 1  
Start Semester 2

Course duration in years  
Professional placements  
Professional accreditation  
Work Integrated Learning (WIL)  
Field trips  
Clinical placements

jcu.edu.au
Financial Management

✓ Learn to create and manage wealth in today’s globalised economy
✓ Get an edge over your peers by studying some of your subjects at JCU Singapore
✓ Prepare yourself for an interesting career in banking, financial planning, fund management, investment banking, stockbroking, financial research and more

Overview
Study different approaches to managing financial institutions like commercial banks, rural cooperatives and microfinance institutions. Broaden your career prospects by combining your Major with Economics or International Business. Choose from a range of elective business subjects that enable you to develop your own interests. Gain membership of respected professional bodies when you graduate. In addition to the core subjects in this course, the subject topic areas within this Major include:
• Financial Management
• Business Modelling
• Personal Portfolio Management
• Risk Management
• Multinational Business Finance
• Advanced Business Modelling
• Cost Benefit Analysis
• Financial Institutions and Markets
• Advanced Business Modelling.

Note: Students studying this as a second Major in conjunction with the Accounting Major will have subject overlaps. The following subjects will be removed from the second Major: BX2014, BX2016 and BX3013, however this has been taken into account in your study plan.

Governance, Business & Society

✓ Learn how to participate in collective decision-making in private and public organisations
✓ Explore creative approaches to managing complex societal issues and how to design robust social policy
✓ Study e-governance
✓ Gain knowledge and skills that equip you for a rewarding career in a government, corporate or not-for-profit environment

Overview
This innovative JCU course will give you genuine work experience, so you can acquire the multidisciplinary skills required to negotiate governance issues that matter in today’s world. In addition to the core subjects in this course, the subject topic areas within this Major include:
• Legal Institutions and Processes
• Governance and Society
• Behavioural Economics for Sustainable Policy, or Collective Intelligence and Social Networks
• Migration, Ethnicity and Belonging, or Australian Indigenous Politics
• Policy Analysis and Management
• Management and Leadership, or Business Negotiation
• Social Marketing
• Power and Protest in a Globalising World, or Asia Pacific Development: Culture and Globalisation.

Hospitality & Tourism Management

✓ Learn to manage tourism and hospitality businesses, attractions, tours, events and more
✓ Gain qualifications that are valued by employers in the entertainment, restaurant, hotel, events, convention centres, theme parks and youth hostels sectors

Overview
Learn how to delight guests and customers in real-world situations. Discover how to plan and stage events, plan tours, hire, train and supervise staff, manage finances and administration, manage marketing and more. Choose a joint degree or double Major. In addition to the core subjects in this course, the subject topic areas within this Major include:
• Conference and Events Management
• Research and Decision Making for Business
• Tourism and Leisure Management
• Destination Management and Planning
• Hospitality Operations Management*
• Hospitality, Cultures and People*
• Visitor and Crowd Behaviour Management*
• Club and Gaming Management.*
*External/online mode only

"The lecturers at JCU really helped shaped my degree. It was great to have teaching staff who take time to get to know you and your personal circumstances, as well as having classes that are small enough for them to be really personal."

Emily Quinn
Bachelor of Business, majoring in Management and Sports & Event Management
Learn how to hire, promote and develop the right management and staff
Understand and positively shape people’s behaviours within organisations
Gain qualifications you can use anywhere in the world
Enter a well-paid and respected career

Overview
Engage with practising HR managers at JCU networking events and through real-world projects. Tailor your course and increase your career prospects by studying specialist areas like Sustainability, International Business, Indigenous Studies or Managerial Economics. In addition to the core subjects in this course, the subject topic areas within this Major include:

- Managing People
- Business Negotiation
- Change Management
- Research and Decision Making for Business
- Employment Relations
- Managing a Global Workforce
- Personnel Economics

Outstanding Alumnus
The annual Outstanding Alumni Awards recognise alumni of James Cook University who have made an outstanding contribution in their field of endeavour at a local, state, national or international level, and celebrate their successes and achievements.

Deborah Noller, the College of Business, Law and Governance Outstanding Alumnus winner, was also presented with the Chancellor’s Outstanding Alumnus Award. Ms Noller graduated from JCU in 1989 with a Bachelor of Commerce, Majoring in Computer Science, and is now the CEO and co-founder of Switch Automation, a company which utilises the Internet of Things to collect, process and manage building data. The company began in Sydney in 2005 and has since expanded its presence to include five offices in four countries. The Chancellor Bill Tweddell chose Ms Noller for her success as an entrepreneur, her perseverance in a male-dominated industry and her passion for nurturing talent and mentoring young women in the tech industry.

“I am keen to see the entrepreneurial energy of JCU’s graduates translate into new industries that can create sustainable work and livelihoods in the north,” he said. “Deb Noller, through her own success and mentorship, is showing future generations of leaders how to do that – and that the possibilities are limitless.”

Learn to lead businesses and people in today’s competitive environment
Become skilled at complex problem solving, planning, financial management, negotiation and more
Meet industry and government professionals and build valuable networks
In your third year of studies, integrate your management skills in real workplace settings through an internship, independent project or a multidisciplinary project
Marketing

- Learn skills that lead to an exciting and varied career
- Study communication, business development, advertising, media design, social media marketing, market research, business decision making and more
- Select subjects that meet your own career goals
- Meet industry professionals and build valuable networks
- In your third year of studies, integrate your marketing skills in real workplace settings through an internship, or work on an independent project or a multidisciplinary project

Overview
Learn to plan and manage all elements of marketing in large and small organisations. Study real-life cases on the role of marketing in building profitable organisations. Learn how to effectively use social media marketing strategies. Explore balanced marketing approaches that include economic, social, cultural and environmentally responsible marketing. Apply your skills through industry engagement and practical projects. Choose Professional Experience as an elective, undertake a joint degree or study a double Major. High-achieving students may be offered an Honours year. In addition to the core subjects in this course, the subject topic areas within this Major include:
- Consumer Behaviour
- Integrated Marketing Communications
- Research and Decision Making for Business
- Sustainable Marketing Management
- Interactive Marketing
- International Marketing
- Strategic Marketing
- Applied Marketing Research.

Sports & Events Management

- Learn how to manage dynamic Australian and international sports, tourism, trade, conference and entertainment events
- Study at JCU Townsville at the centre of North Queensland’s sports, events and tourism calendar, or at JCU Singapore
- Experience big and small events first-hand
- Study with industry professionals and lecturers who’ll share practical experience as well as theory

Overview
Be part of a career managing amazing events from celebrity sports events to entertainment extravaganzas, trade shows or industry conferences. No two days will be the same in your chosen field! Study the practical management, organisational and leadership skills required to safely create successful large and small events. Visit events and see what happens behind the scenes. Take the opportunity to build networks with visiting experts. In addition to the core subjects in this course, the subject topic areas within this Major include:
- Tourism and Leisure Management
- Conference and Events Management
- Project Management
- Sports Management
- Visitor and Crowd Behaviour Management
- Sport and Entertainment Law
- Destination Management and Planning
- Club and Gaming Management.

Tailor your degree to suit your goals and interests by choosing a joint degree, second Major, two Minors, or eight elective subjects. You can choose to study on campus in Townsville and/or Singapore. High-achieving students may be offered an Honours year.

Bachelor of Business and Environmental Science

- Study at JCU, with the world’s most renowned educators in tropical environmental science
- Learn about today’s pressing issues - theories of sustainability, the effects of humans on climate, how to plan and lead sustainable business, environmentally sound practices and much more
- Forge a career where you can lead in managing the delicate balance between profit, policy and conservation
- Build industry networks and gain hands-on, practical experience through JCU’s business and industry links

Overview
Learn the skills needed to help organisations in Australia and internationally reduce their environmental impact. Be valued by employers who need to balance their bottom line while managing environmental impacts. Study in JCU’s world-renowned centres of tropical environmental science. Experience practical fieldwork at the Great Barrier Reef Marine Park, JCU’s Aquarium Complex, JCU Orpheus Island Research Station and more. This course offers a huge range of career opportunities such as aquaculture production, environmental policy making, marine resource management, aquaculture marketing, and business management. Give yourself even more career options by adding further Science studies and elective choices such as Marine Science, Aquaculture, Environmental Science, Business or Ecology. In addition to the core subjects in this course, the subject topic areas include:
- Economics for Sustainable Business
- Business, Environment and Society in the Tropics
- Contemporary Business Communications
- Diversity of Life, or Introduction to Biodiversity, or Introductory Ecology
- Environmental Processes and Global Change
- Human Geography, or Introduction to Sustainability
- Statistics and Data Analysis 1
- Introduction to Environmental Economics
- Accounting for Decision Making
- Marine Ecology and Environmental Assessment.
Clinical Sciences

Bachelor of Clinical Sciences (Honours)

✓ Learn to be innovative and make a difference in healthcare delivery
✓ Study a Clinical Science Honours degree that will equip you to work directly with patients
✓ Gain practical experience working with patients in public hospitals
✓ Hear industry experts share their knowledge

Overview
Clinical Science combines principles of medicine, chemistry, biology and experimental science. It is a healthcare profession that supports the care of patients in hospitals. Teams of clinical measurement scientists focus their patient investigations around cardiac sciences, neurophysiology, respiratory sciences and sleep sciences. Clinical scientists work in hospital laboratories and private practices, and also directly with patients, to assist in diagnosing and fine tuning management of diseases. Clinical Science is a career option where you can really make a difference.

When you choose this JCU Honours degree, because of the generalist clinical training of the course, you’ll build a broader knowledge across a wider range of skills. Along with the high-level scientific skills required by urban clinics, you’ll also have the broad capabilities needed to provide services for rural and remote communities.

Note: You’ll require Hepatitis B immunisation, current Queensland First Aid and CPR certificates, a Suitability to Work with Children (Blue Card) and an Australian Federal Police check before undertaking placements.
Bachelor of Dental Surgery

✓ Study a highly-respected and accredited five-year JCU Dentistry course that equips you to build a dentistry career in Australia, New Zealand or Canada
✓ Gain real-life experience at JCU’s public dental clinics JCU Cairns and JCU Townsville
✓ Become work-ready after experiencing more than 2,000 hours of supervised clinical experience in school clinics and rural and remote community health facilities
✓ Enjoy superb teaching facilities and access to researchers as part of JCU’s College of Medicine and Dentistry

IMPACT. ADVENTURE. SKILLS.
Train alongside experienced, supportive professionals. Experience JCU’s broad-based program that includes all aspects of dental practice. Explore issues of concern to northern Australia, particularly those relating to tropical, rural and Indigenous practice. Subject topics include:
• Anatomy and Physiology for Dentists
• Communication Skills for Health Professionals
• Biological Chemistry for Dentistry
• Dental Science
• Health and Health Care in Australia
• Chemistry for the Dental Sciences
• Health Professional Research
• Operative Dentistry
• Health Promotion in Dentistry
• Biological Sciences for Dentistry
• Lifespan Development for Health
• Clinical Dentistry
• Rural and Remote Primary and Public Health Care
• Clinical Practice (Comprehensive Oral Care).

With further study you can pursue a dental specialisation and become, for example, an orthodontist, oral and maxillofacial surgeon, or an oral pathologist.

Note: Before undertaking placements you’ll require immunisations, current Queensland First Aid and CPR certificates, a Suitability to Work with Children (Blue Card), and an Australian Federal Police check.

Application deadline: 30 September 2018

“In third and fourth year you spend every half of a day working on patients in the JCU Dentistry Clinic. By fourth year, you can do a lot of what a general dentist can do, such as crowns, root canals, cleans, bridges, veneers, restorations, extractions and fillings.”

Tom Munro
Bachelor of Dental Surgery
Bachelor of Education (Early Childhood Education)

✓ Learn to deliver high quality education and care to children aged from birth to eight years and throughout the primary school years
✓ Build a rewarding career in schools, prior-to-school centres and other jobs in the Early Childhood field
✓ Benefit from extensive professional experience opportunities
✓ Understand the opportunities and challenges of teaching in regional, rural, remote and Indigenous communities
✓ Obtain first-hand experience of the benefits of community and industry engagement

Overview
Participate in a rich variety of professional teaching experiences, including 100 days of professional experience in prior-to-school (birth – 2 and 3 – 5 year old) and school settings. Experience JCU’s focus on improving education for Indigenous children, and on education for sustainability. Subject areas include:
• Foundations of Education
• Sustainability in Education
• Early Childhood Language and Literacy
• Early Childhood Education and Care 1 and 2
• Early Childhood Mathematics and Numeracy
• Technologies for Early Childhood Education
• Educational Psychology
• Teaching ESL (English as a Second Language) to Indigenous students
• Indigenous Australian World Views 1: Survival, Identity and Cultural Diversity
• Arts Education for Early Childhood
• Science Education for Early Childhood.

Notes
1. In their final year of study, all students are required to attend a compulsory five-day on-campus intensive Professional Orientation Program at either JCU Cairns or JCU Townsville.
2. Students must apply for a Suitability to Work with Children (Blue Card).
3. Students will need to specialise in a content area.

Bachelor of Education (Primary)

✓ Benefit from extensive practical teaching experience opportunities throughout your training
✓ Equip yourself to embrace the opportunities and challenges of teaching in Indigenous, regional, rural and remote communities

Overview
Build a satisfying career as a teacher delivering high quality education to children aged from six to 12 years. Take opportunities to contribute as a teacher in Indigenous, rural and remote communities. Participate in a rich variety of professional teaching experiences including 80 days of professional experience in a variety of workplaces and, towards the end of your degree, internships in a school or service learning* in a local or overseas community organisation. Choose to focus on Primary Education, Primary Inclusive Education or Primary Health and Physical Education. Core subject topics (Levels 1 to 4) and options include:
• Foundations of Education
• Language and Literacy in Education
• Technologies for Primary School
• Educational Psychology
• Mathematics and Numeracy in Education
• Health and Physical Education for Primary School
• English Education for Primary School
• Education for Cultural Diversity
• Linking Indigenousness or Indigenous Australian World Views 1: Survival, Identity and Cultural Diversity
• Arts Education for Primary School
• Inclusive Education for Special Needs
• Teaching ESL to Indigenous Students
• Sustainability in Education
• Effective Writing
• Children’s Literature
• Digital Storytelling
• Human Rights and Social Issues.

*Service learning is a collaborative relationship between the community and the classroom that equally prioritises student learning and community service.

Notes
1. In their final year of study, all students are required to attend a compulsory five-day on-campus intensive Professional Orientation Program at either JCU Cairns or JCU Townsville.
2. Students must apply for a Suitability to Work with Children (Blue Card).
3. Students will need to specialise in a content area.
Bachelor of Education (Professional Development)

✓ Consider this degree if you are a teacher wanting to upgrade your skills or further develop your existing teaching specialisation area
✓ Gain a JCU Bachelor of Education qualification that is valued by government, independent and Catholic primary schools across Australia
✓ Equip yourself to embrace the opportunities and challenges of teaching in Indigenous, regional, rural and remote communities
✓ Broden your career prospects by choosing to study areas where there are skills shortages
✓ Learn from JCU’s internationally-recognised experts
✓ Study at JCU Cairns or JCU Townsville, or even in JCU Singapore* - or continue your career while you study online

Overview
If you have a 2-year or 3-year teaching qualification, here’s your chance to upgrade your qualifications so you can enhance your career and become an even more competent educator. You can select from these majors:
• Early Childhood*
• Primary
• Secondary (some subjects only available at JCU Townsville)
• Special Needs.

*Subject to approval, you may be able to complete your Early Childhood major at JCU Singapore.

Prerequisites
Completion of an AQF level 5 Diploma of Teaching or an equivalent or higher qualification in Education that includes a Pass in professional experience.

Bachelor of Education (Secondary)

✓ Study for a career that enhances your abilities to inspire and educate, while preparing young people for their further education and adult life
✓ Gain qualifications that place you at the forefront of education for sustainability – with your own project and 50 hours of work experience in an approved organisation
✓ Participate in service learning projects and help a local or overseas community
✓ Equip yourself to embrace the opportunities and challenges of teaching in Indigenous, regional, rural and remote communities

Overview
Build a satisfying career as a teacher, inspiring and delivering high-quality education in two curriculum areas, for example, English and Geography, English and Mathematics, Accounting and History, Chemistry and Biology or a number of other combinations. Have the option to use your qualification in alternative careers in education management, government departments or community development. Participate in a rich variety of professional teaching experiences including 80 days of professional experience and, towards the end of your degree, internships in a school or service learning* in a local or overseas community organisation. Core subject topics and options include:
• Language and Literacy
• Mathematics and Numeracy in Education
• Sustainability Education
• Technologies Across the Curriculum
• Educational Psychology
• Education for Cultural Diversity
• Teaching ESL to Indigenous Students
• Indigenous Futures
• Service Learning for Sustainable Futures
• Health and Physical Education.

* Service learning is a collaborative relationship between the community and the classroom that equally prioritises student learning and community service.

Notes
1. All students are required to attend a compulsory five-day on-campus intensive Professional Orientation Program in their final year of study.
2. Not all subjects are available at JCU Cairns.
3. Students must apply for a Suitability to Work with Children (Blue Card).
Bachelor of Engineering (Honours)

✓ Learn the skills employers want – engineering, communication, critical thinking and leadership
✓ Participate in industry placements and gain genuine skills that give you an edge in the job market
✓ Achieve an Honours degree with a Major of your choice

Overview
A JCU Engineering degree gives you the skills needed to solve real-world problems and design and develop innovative products. It gives you the qualifications required for a career in Australia, the USA, UK, Canada, Ireland, Hong Kong, Japan, Malaysia, New Zealand and South Africa.

"In my first year of study, we did an introduction to all disciplines of engineering. It was great as I was able to get a good grasp of each area. I gravitated toward the geotechnical and concrete side of things. I liked the way the lecturers taught the course. They made me interested, their teaching style was great and helped us understand the theory.”

Michael Mallett
Bachelor of Engineering (Honours), majoring in Civil Engineering

Chemical Engineering

✓ Participate in this respected and practical four-year Honours degree that is accredited and will qualify you to build a career in Australia, USA, UK, Canada, Ireland, Hong Kong, Japan, Malaysia, New Zealand and South Africa
✓ Become a leader in researching and developing new technologies, processes and products that help to solve current world problems
✓ Learn to develop safe, efficient and ethical processes to convert raw materials into useful products
✓ Participate in genuine industry placements that will help you build networks and give you an advantage when you’re ready to start work
✓ Take opportunities to contribute to locally important design and research projects

Overview
Gain Chemical Engineering qualifications that will equip you to forge a career in specialist fields like environmental health and safety, healthcare, manufacturing, energy, minerals, water and wastewater treatment, pharmaceuticals, petrochemicals, food processing, biotechnology, electronic and advanced materials, and much more. In your final year, work on a thesis and design a full-scale processing plant. Learn the skills to make a difference in your world by being a leader in:

• Improving food processing techniques and methods of producing fertilisers, to increase the quantity and quality of available foods
• Developing methods to mass-produce medicines, making them more affordable
• Creating more efficient methods of refining minerals, making energy and chemical sources more productive and cost effective
• Developing solutions and remediation to environmental pollution problems
• Processing chemicals which are used to make or improve just about everything you see around you.

Major subject topics include:
• Chemistry: A Central Science
• Process Analysis
• Chemical Engineering Thermodynamics
• Reactor Design
• Mass Transfer Operations
• Fluid Mechanics
• Heat and Mass Transfer
• Safety Environment and Sustainability in the Process Industries
• Chemical Engineering Design
• Minerals and Solids Processing
• Bioprocess Engineering.

Select one Minor topic such as Sustainability, Mining and Minerals, Mathematics, Physics, Software, Infrastructure and Planning, Intelligent Systems, Materials and Mechanical Design, or Water and Waste Water.

You can also choose to study a Joint degree.

© 1 = First year only
© 2 = Townsville only
Study topics that affect almost every sector of society - from heavy power generators to tiny computer chips
Learn the scientific and mathematical principles required to design, build, fault find, analyse and control all things electrical
Work on a Major engineering project that will give you practical experience of advanced field, computer and laboratory techniques, and how to resolve a genuine engineering problem
Meet industry professionals and start to build networks that give you an advantage when you’re ready to start work
Gain the practical experience that results from JCU’s close professional relationships with the telecommunications, power utilities, mines and mills industries of northern Queensland

Overview
Start your studies by gaining an understanding of the fundamentals - Engineering, Computing, Process Engineering, Mathematical Techniques, Physics and more. Experience JCU’s world-class tools and facilities. Progress to explore topics that will expand your career options:
• Electronics
• Electromagnetism Optics and Thermodynamics
• Power Engineering
• Digital Signal Processing
• Automatic Control Systems
• Engineering Project Management
• Electrical and Electronic Engineering Design
• Asset Management, Maintenance and Reliability.
From Year 2 select Minors that reflect your interests, such as Sustainability, Mining and Minerals, Mathematics, Chemistry, Physics or Software.
Make yourself even more employable by choosing to study a Joint degree.
Mechanical Engineering

- Gain Engineering (Honours) qualifications that are accredited and sought after by employers in Australia and internationally
- Learn the technical and problem-solving skills required to design, build and improve systems and machinery for industrial, public and domestic applications
- Have fun while you study: work on a four-year Formula SAE Race Car design project
- Take the opportunity to do 12 weeks of paid practical work experience
- Use JCU’s professional industry networks to set up holiday work placements, gain genuine experience and start building networks

Overview
Get the skills required for a career in industries as diverse as mining, minerals processing, chemical processing, pharmaceuticals, manufacturing, oil and gas, automotive, aviation, aerospace, bulk handling, communications, health, building, electrical power generation and distribution, water and waste, natural gas distribution, road transport, rail transport, shipping, shipbuilding, defence, agriculture, forestry, fishing and food processing, or use your skills to start a business of your own.

Work on increasingly complex mechanical design projects. Learn about the application of advanced computer techniques. Gain professional experience while working collaboratively on interesting projects. Finish your studies with an extensive thesis project that will give you a chance to showcase your original field of research and innovation.

Begin Year 1 of your Bachelor of Engineering (Honours) studying the same subjects as Engineering students from all streams. Core subjects from Year 2 to Year 4 include:
- Engineering Strength of Materials
- Fluid Mechanics
- Machine Element Design
- Dynamics and Acoustics
- Heat and Mass Transfer
- Advanced Manufacturing Engineering
- Mechanical Design
- Asset Management, Maintenance and Reliability
- Mathematical Techniques.

From Year 2, select one Minor that interests you such as Sustainability, Mining and Minerals, Mathematics, Chemistry, Physics, Software or Intelligent Systems.

Make yourself more employable! Choose to study a Joint degree.

- First year only
- First year only
- Townsville only

JCU’s industry partnerships can benefit you. This is just one example…
- The JCU-Huawei Internet of Things (IoT) Laboratory boasts cutting-edge expensive narrowband (NB)-IoT equipment which is the first of its kind housed by a university in the world
- Huawei Technologies will offer internship and industry project opportunities to JCU IoT students
- Huawei Technologies is committed to transform JCU Cairns into an IoT-based smart campus in the longer term, which will be a mini version of a smart city

Huawei Technologies is the world’s largest multinational company specialising in telecommunications equipment. It supplies nearly all the mobile base stations for Vodafone Australia, and roughly 50 per cent for Optus.

jcu.edu.au
Bachelor of Environmental Practice

✓ Explore Coastal and Marine Management to understand interactions of people and communities at the coastal fringe, and on the oceans and marine habitats
✓ Gain practical skills that are valued by mining corporations, environmental consultants, government departments, renewable energy industries, and heritage groups
✓ Build a career that makes a difference in your world
✓ Discover answers to complicated environmental problems
✓ Manage the provision of fresh water and other essentials for rapidly growing cities
✓ Design sustainable and green urban places

Overview
Be part of JCU’s internationally acclaimed science community. Take your place among the experts who will be called on to solve the great sustainability challenges facing the world. Benefit from JCU’s amazing facilities and tropical location, which enable you to explore the World Heritage Great Barrier Reef Marine Park, study on board JCU’s research vessels, learn at JCU’s Orpheus Island Research Station and Aquarium, and participate in genuine research onsite at coral reefs, islands, sea grass beds and mangroves. Choose from five Majors - Biodiversity Assessment and Management, Corporate Environmental Management, Urban Environments and Landscape Design, Coastal and Marine Management, or Land and Water Management. Qualify to work in amazing roles in government departments, environmental consultancy, renewable energy industries, tourism businesses, heritage groups, mining corporations, local governments, and non-government organisations, or establish your own company to work with stakeholders and clients. Core subjects you’ll study include:
• The Environmental Professional
• Solving Wicked Environmental Problems
• Modelling Natural Systems
• Geographic Information Systems
• Environmental Management, Policy and Governance
• Project Management
• Environmental and Social Impact Assessment.

“...The field trips and the practical experience I gained throughout my degree were amazing. I loved it. We did field trips to the rainforest, the beach, and the Tablelands region. I also selected a block subject where we travelled to Phuket, Thailand, to study the impacts of overfishing on the ecosystems around Phuket.

Choose subjects that you are interested in, but also make sure you are studying subjects that build on your employability skills. Geographic Information Systems (GIS) is a great example of this. It is applicable for many different industries and I believe I am a lot more employable as I focused on ensuring I built my GIS skills throughout my degree.”

Kaya Asdal
Bachelor of Environmental Practice
Exercise Physiology

Bachelor of Exercise Physiology (Clinical)

✓ Learn how to teach clients to use exercise to manage medical conditions, improve performance and enhance wellbeing
✓ Study in JCU’s world-class Sport and Exercise Science facilities
✓ Enjoy lots of practical experience and at least 500 hours of supervised placements
✓ Gain a thorough knowledge of healthcare delivery in rural, remote, regional and tropical Australia, so if you choose, you can establish your career in areas where there are skills shortages

Overview
This highly practical 4 year JCU degree ensures you are work ready when you graduate. You’ll have the skills required to treat patients who have injuries, chronic disease and a variety of complex needs. As a result of your practicums and theoretical studies, you’ll have the skills to build a rewarding career in a hospital, private practice, rehabilitation clinic, sports clinic, health and fitness centre, sports training facility or in aged care.

Your career might see you:
• Leading sports training, exercise solutions and rehabilitation
• Applying psychological and behavioural principles to help your clients achieve improved performance, health and wellbeing
• Managing cases for a medical insurance organisation
• Practising as a hospital-based scientist, undertaking cardiac investigations, cardiac rehabilitation or respiratory science
• Working in an Occupational Health and Safety role
• Conducting clinical research and testing

High-achieving students, including those who wish to pursue research and academic careers, may be offered an Honours degree comprising an additional one year program (full-time or equivalent) undertaken after successful completion of the Bachelor of Exercise Physiology (Clinical).

Among the subject topics are:
• Anatomy and Physiology
• Psychology
• Sport and Exercise Nutrition
• Sport and Exercise Testing
• Functional Kinesiology and Biomechanics
• Motor Learning and Motor Control
• Dynamics of Sport and Exercise Behaviour
• Sports Training and Rehabilitation
• Clinical Exercise Physiology.

Note: You’ll require immunisations, current First Aid and CPR certificates, a Suitability to Work with Children (Blue Card) and an Australian Federal Police check before undertaking placements.

Practical experience gives our students the confidence and skills they need to pursue a rewarding career.
Bachelor of Geology

✓ Study the ONLY Bachelor of Geology offered in Australia – and one of the top three Geology programs in Australia
✓ Gain professional qualifications and the practical experience that employers value
✓ Participate in current geological research projects through JCU’s on-campus Economic Geology Research Unit (EGRU)
✓ Be part of JCU’s close-knit discipline with student clubs, social events and numerous opportunities to meet experts in their fields.

Overview
Here’s your chance to study JCU’s internationally-recognised Bachelor of Geology while living in one of the most diverse, pristine earth science settings on Planet Earth, in an area with largely unexplored geology. Enjoy a balance of classroom theory and getting your hands dirty on site, doing practical fieldwork, and studying spectacular rocks and minerals in amazing Queensland locations. Hear public sector researchers, industry professionals and corporate experts share their knowledge on Economic Geology. Among your subject topics are:
• Environmental Processes and Global Change
• Evolution of the Earth
• Geological Mapping
• Geographic Information Systems (GIS)
• Structural Geology and Tectonics
• Minerals and Magmas
• Earth Resources, Exploration and Environment.

1 – First year only
Bachelor of Health Science (Physician Assistant)

Overview
In this undergraduate course, you will receive a diverse and holistic learning experience. You will learn from specialist academic staff, JCU’s overseas trained physician assistant educators, doctors, researchers, science teachers and nurses. You’ll be qualified to:
• Collect patient histories and conduct physical examinations
• Order and interpret diagnostic test results
• Carry out patient diagnosis, treatment and management in collaboration with the physician or doctor
• Work within a team-based practice model, with a special demand in Australian rural and remote locations.

If you already have health-related qualifications and work experience in a health-related setting, completing this groundbreaking degree at JCU’s state-of-the-art laboratory and classroom facilities could see you enter a new and very rewarding career.

Study online (years 1 and 2), complemented by eight residential blocks at JCU Townsville. Gain confidence and expertise through the third and final clinical year which can be studied full-time over one year or part-time over two years.

Prerequisites
Health-related qualification with a minimum of Certificate IV (AQF Level 4) and a minimum of two years full-time (or equivalent part-time) clinical experience in a healthcare setting that includes direct patient contact + separate JCU application.

Note: You’ll require immunisations, current First Aid and CPR certificates, a Suitability to Work with Children (Blue Card) and an Australian Federal Police check before undertaking placements.

Application deadline: 31 October 2018
Bachelor of Information Technology

✓ Learn IT skills and essential knowledge that are demanded by employers around the world
✓ Become work-ready for the growing range of new jobs that are emerging with the advancement of technology
✓ Work on real-world projects in industry through hackathons, technology design sprints, internships, placements or projects, and build your CV while you study
✓ Opportunities to learn from JCU’s expert IT staff and visiting lecturers who will share their industry experience with you

Overview
Explore Cyber-Security, Networking, Interactive Visualisation, Big Data and Data Science, Games Design, Interactive 2D and 3D Graphics, Web Technologies, Mobile Technologies, Programming and a whole lot more emerging and existing technologies. Experience JCU’s computer laboratories, with specialist facilities for software engineering, computer science, networking, multimedia/game design and programming. Core Major subject topics include:

• Problem Solving and Programming
• Design Thinking
• Internet Fundamentals
• Network Security
• Information Processing and Visualisation
• Business Intelligence
• Data Mining
• Information Security
• Mobile Computing
• Collective Intelligence and Entrepreneurship
• Content Management Systems
• Web Design and Development
• Preparatory Mathematics or Mathematical Foundations

Add to your career options by choosing optional Minors including JCU’s exclusive, industry-leading course Internet of Things, or Computer Science and Networking (external), or Human Computer Interaction and Games Design (external). Alternatively, explore other IT career pathways by customising your own Minor to complement your Bachelor of IT degree.

You can also choose to study a Joint degree.

“My favourite part about the course is that we get to create projects that have real-world applications and these can contribute to my portfolio. The programming subject is awesome, and I have created so many Android apps using Java. For my assignments, I’ve built many websites that address actual issues.”

Srishti Jindal
Bachelor of Information Technology
Bachelor of Laws/Bachelor of Laws (Graduate entry)

✓ Make a difference in your world – undertake a JCU law degree to provide you with the skills and knowledge for contemporary legal practice
✓ Enhance your career options by studying this highly-respected four-year undergraduate degree, or add a JCU Laws (Graduate Entry) degree to your existing qualification with just three more years of study
✓ Get a great start with our award winning and innovative First Year Experience in Law program which introduces you to the foundations of law and prepares you for the study of law in a supportive environment
✓ Benefit from authentic learning that results from JCU’s strong community links and support from the legal profession and judiciary in Northern Queensland, many of whom teach the law program

Overview
Explore contemporary issues, the latest research and new ideas across diverse areas of the practice and application of the law, with academics and legal professionals who are leaders in their fields of expertise. Gain an understanding of the significance of the law to stable government, economic prosperity, and the protection of individual and cultural rights.

Our First Year Experience Program offers you subjects that focus on the contemporary practice of the modern lawyer. Learn a range of skills transferable across any career such as problem solving, resilience, conflict resolution, and emotional intelligence.

Our flexible elective program allows you to undertake subjects in block, intensive and online modes allowing you to complete your degree faster. The refreshed program has grouped the elective subjects across three streams: sustainability, social justice, and governance. In this way you can tailor your studies to follow your particular passion or study across the extensive range of electives for a broader understanding.

Engage with local professionals through our Work Integrated Learning (WIL) program. JCU Law has one of the longest running regional clinical programs, in which students spend one day a semester working under supervision with experienced lawyers providing legal advice and assistance to people who may not otherwise be able to access justice.

Join our Law Student Societies and attend functions and events, networking with lawyers and other professionals who are working within the legal industry. In your final year you have the opportunity of ‘one on one’ mentoring with a local legal practitioner.

Among the areas you can study are:
• Criminal law
• Human rights law
• Public International law
• Health law
• Commercial law
• Company and partnerships law
• Family law.

An Honours degree option is available for high-achieving students who wish to pursue research or academic careers.

Note: To complete the requirements to practise as a lawyer in Australia, after graduation you must complete an approved practical legal training course or undertake a traineeship at a legal firm.

JCU Cairns, City has North Queensland’s first ‘moot court’ and e-court facilities providing practical training for law students.
Marine Science

Bachelor of Marine Science

It's your choice: Marine Science or Marine Biology?
If you want to focus on physical, chemical and geological oceanography, then you should choose Marine Science. If your interest is more in the fauna and flora of the oceans, then Marine Biology is for you. Marine Biology is a Major in the JCU Bachelor of Science degree.

✓ Take the opportunity to qualify at JCU, one of the world’s leading Marine Science universities, where new ground is continually broken
✓ Research, work with and learn from JCU’s internationally recognised staff, six of whom are among the world’s top 10 coral reef biologists
✓ Take part in genuine Marine Science projects by volunteering to work on a JCU postgraduate project
✓ Apply to participate in the International Exchange Program and gain the opportunity to study distinctive marine habitats in other parts of the world

Overview
Make a difference in your world and qualify for a fulfilling career in conservation policy, environmental management, environmental impact assessment, tourism, education (with additional studies) – and more. Study with JCU’s leading experts and gain a Marine Science qualification that’s highly-regarded around the world. As you study, use up-to-the-minute research and real data and explore:

• Strategies to preserve marine environments
• Managing human impacts on marine environments
• Protecting Australia’s marine reserves
• Safeguarding the oceans - the world’s largest natural resource.

Benefit from JCU’s amazing Marine Science facilities and tropical location, which enable you to:

• Explore the World Heritage Great Barrier Reef National Park
• Study aboard JCU’s research vessels
• Learn at JCU’s Orpheus Island Research Station and the JCU Aquarium Complex
• Participate in genuine research onsite at coral reefs, islands, sea grass beds and mangroves.

Core subjects and topics you can choose to study include:
• Environmental Processes and Global Change
• Managing Coastal and Marine Environments
• Fisheries Science
• Geographic Information Systems
• Physical Oceanography
• Evolution of the Earth
• Coral Reef Ecology
• Conserving Marine Wildlife
• Functional Biology of Marine Organisms
• Science, Nature, Knowledge and Understanding
• Modelling Natural Systems
• Marine Ecology and Environmental Assessment
• Sedimentology
• Wetlands and Estuarine Ecosystems
• Electromagnetic Phenomena.

“When I’m not in the field, I spend quite a lot of my time in the Science Place. It’s an awesome new building that I feel lucky to have access to. The labs always have everything we need, and it’s easy to find quiet corners of the building to study in.”
Sanna Persson
Bachelor of Marine Science

JCU Townsville’s Science Place houses a stunning saltwater tank in the foyer so that students can see a snapshot of what the Great Barrier Reef has to offer.
Bachelor of Medical Laboratory Science (Honours)

✓ Australian Institute of Medical Scientists Accredited degree
✓ Achieve a respected JCU qualification that can lead to a career in a hospital or pathology laboratory, in veterinary diagnostics, forensic science, food and water quality testing, pharmaceuticals or toxicology
✓ Learn the skills to help in the diagnosis, treatment and prevention of disease
✓ Hear expert industry speakers and build professional networks
✓ Take opportunities to do exciting clinical placements - including in Papua New Guinea
✓ Benefit from JCU’s work-integrated learning programs within hospitals and laboratories

Overview
Your JCU studies will prepare you to meet the current demand for professionally qualified scientists to work in public hospitals, private and government pathology laboratories. When you choose to study this fully accredited degree (Australian Institute of Medical Scientists) you’ll be at the forefront of rapidly advancing scientific discoveries. JCU’s cutting-edge laboratories and field-leading lecturers will make your studies a pleasure. Subject topic areas include:
• Chemistry
• Biochemistry
• Molecular Biology
• Anatomy
• Physiology
• Pathophysiology
• Microbiology and Infectious Diseases
• Immunology
• Haematology
• Clinical Biochemistry
• Histology and Cytology
• Laboratory Management
• Health and Health Care in Australia.

Flexible Entry
JCU offers flexible entry into this sought-after degree. So if you hold level 1-3 in the Bachelor of Biomedical Sciences, or you have relevant experience in medical technology, you’re welcome to apply. JCU will make every effort to accommodate you in the Bachelor of Medical Laboratory Science (Honours).

Note
You’ll require Hepatitis B immunisation, current Queensland First Aid and CPR certificates, a Suitability to Work with Children (Blue Card) and an Australian Federal Police check before undertaking placements.

You’ll benefit from JCU’s work-integrated learning programs within hospitals and laboratories.
Bachelor of Medicine, Bachelor of Surgery

IMPACT: Make a difference. Be part of addressing health and social inequity. Work with, for and among underserved populations. Be a champion of change. Address social and environmental determinants of health. Be like the people you admire. Be taught by and inspired by your heroes. Study, work and make friends with people who share values and interests. Inspire and lead others. Work hard doing things that matter.

ADVENTURE: Study and work in fascinating and exotic locations. Enjoy variety. Test yourself and rise to the challenge. See the world. Have life-changing cultural experiences. Tell amazing stories. Enjoy the company of like-minded people on a study and career journey. Excite and inspire others.

SKILLS: Equip yourself for any situation. Be work-ready. ‘Do it all’ as a generalist. Be confident and adaptable. Enjoy being good at what you do. Apply skills in a variety of locations - rural, remote, regional and urban. Benefit from the reputation that JCU graduates have earned. Apply your skills with confidence to real problems in the real world.

Work with professionals who are informed by concern for social justice, innovation and excellence in medical education, research and service.

Experience clinical practice from your first year of this six-year full-time undergraduate degree.

Take opportunities to participate in placements in rural and remote communities or international locations.

Overview

Learn at JCU’s medical precinct opposite The Townsville Hospital, the largest teaching hospital in regional Australia, and gain experience in multiple Northern Queensland clinical campuses. Study in small groups. Gain expertise across diverse clinical and biological fields including anatomy, infection control, disease prevention and control, biochemical processes, health promotion and medical ethics. Learn to diagnose and treat human injuries and disease, and to prescribe medications and treatments to promote or restore good health. Study the distinctive needs of northern Australia’s tropical populations. Understand the medical experiences and facilities in Aboriginal and Torres Strait Islander communities.

An Honours degree option is available for high-achieving students who wish to pursue research or academic careers.

Note: Before undertaking placements you require immunisations, current First Aid & CPR certificates, a Suitability to Work with Children (Blue Card), & an Australian Federal Police check.

Application deadline: 30 September 2018
Bachelor of Nursing Science

✓ Study JCU’s unique Nursing degree with its distinctive rural, regional and tropical focus
✓ Learn how to assess clients, communicate with people from diverse cultural backgrounds, plan and implement nursing interventions, and to manage and evaluate nursing care
✓ Benefit from 880 hours of supervised professional practice and clinical experience (starting from Year 1) in a wide variety of acute and community health settings, providing a smooth transition from university to the clinical workplace
✓ Take opportunities to work closely with Aboriginal and Torres Strait Islander communities
✓ Be taught by JCU’s active researchers and clinical teachers
✓ Benefit from JCU’s recognition as the Centre for Nursing and Midwifery Research, and the University’s role as the World Health Organisation’s Collaborating Centre for Nursing and Midwifery Education and Research Capacity Building
✓ Make a difference to patients, their families and communities

Overview
JCU offers students a supported path into a dynamic, satisfying, well-paid and respected nursing career in a range of settings. This accredited and respected course has been carefully designed to give students a contemporary Australian nursing education built on a strong connection between theory and clinical practice. The transition to clinical practice is supported by problem- and case-based learning, well equipped clinical simulation facilities and 880 hours of applied clinical practice. The course has a strong focus on nursing in our northern tropical context and prepares students for work in diverse settings, from large metropolitan hospitals to rural and isolated practice clinics. The course includes content areas such as:
• Professional and Clinical Nursing Practice
• Communication
• Indigenous Health Studies
• Law and Ethics
• Working with Vulnerable Population Groups
• Mental Health
• The Australian Healthcare System
• Anatomy, Physiology, Pharmacology and Biochemistry
• Evidence-based Practice and Research
• Overseas Placement Elective Experience (optional)
• Graduate Transition to Practice.

Hands-on experience continues throughout your medical degree.

Note: Before undertaking placements you’ll require immunisations, current First Aid and CPR certificates, a Suitability to Work with Children Card (Blue Card), and an Australian Federal Police check.

Bachelor of Nursing Science-Bachelor of Midwifery

✓ Qualify to work as both a Registered Midwife and Registered Nurse
✓ Learn to care for women throughout pregnancy, labour, birth and postnataally
✓ Experience genuine hands-on practice as well as theoretical studies
✓ Benefit from 47 weeks of supervised clinical placements in JCU’s network of partner hospitals, health centres and community facilities
✓ Gain skills and cultural perspectives which will be valued in rural, remote, Aboriginal and Torres Strait Islander communities
✓ Qualify for professional registration with the Nursing and Midwifery Board of Australia (NMBA) through the Australian Health Practitioner Regulation Agency (AHPRA)

Overview
JCU offers you a supported path into a dynamic, satisfying, well-paid and respected nursing and midwifery career in a range of settings including hospitals, community health centres, healthcare agencies, the defence forces, industry, government departments, not-for-profit agencies and more. The transition to clinical practice is supported by problem- and case-based learning, well equipped clinical simulation facilities and 1880 hours of applied clinical practice. You’ll be job-ready when you’ve completed the practical and theoretical components of this accredited JCU Nursing Science-Midwifery qualification. Among core subjects you’ll explore are:
• Physiological Systems and Processes
• Communication for Nursing and Midwifery
• Clinical Nursing Practice
• Primary Health Care
• Promoting Healthy Labour, Birth and the Post-natal period
• Complex Midwifery Care
• Law and Ethics
• Working with Women to Provide Family-centred Neonatal Care
• Midwifery Care for Aboriginal and Torres Strait Islander Women and their Families
• Nursing for Chronic Illness and Palliative Care
• Community Approaches to Care.

Prerequisites
English; (Biology, Chemistry or Maths A, B or C also desirable)
Occupational Therapy

Bachelor of Occupational Therapy (Honours)

- Learn clinical skills at JCU’s own Occupational Therapy Clinic
- Develop specialist knowledge and skills in rural and remote health service provision
- Grasp international study exchange opportunities
- Make friends and have fun in northern Queensland’s beautiful tropical environment

Overview

If you love working with people, JCU’s four-year full-time Bachelor of Occupational Therapy (Honours) course could be an excellent choice for you. Occupational therapy is a client-centred career option with job opportunities in a variety of settings such as public and private hospitals, rehabilitation units, community health centres, educational settings, independent living centres or in private practice. You will learn the theory, practice and management skills required to help people improve their health and wellbeing through everyday activities and occupations. There will be many opportunities to gain experience working with clients in a range of rural and urban locations through at least 1,000 hours of placements.

Examples of subjects you will study within the program include:
- Introduction to Occupation and Occupational Therapy
- Enabling Occupation through Partnerships
- Health Promotion for Health Professionals
- Anatomy and Physiology for Rehab Science
- Communication Skills for Therapy
- Clinical Medicine for Therapy
- Enhancing Practice Capabilities
- Rural and Remote Primary and Public Healthcare
- Health Law and Ethics
- Health Policy and Planning
- Advancing Professional Practice.

Note: Before undertaking placements you will require immunisations, current First Aid and CPR certificates, a Suitability to Work with Children (Blue Card), and an Australian Federal Police check.

“Studying here has opened up so many opportunities for me to join associations that I never would have if I wasn’t at JCU. I have made friends and gained connections all over Australia. It has given me knowledge and inspiration on how to help my community and other rural and remote communities.”

Cheyenne Gamble
Bachelor of Occupational Therapy
Bachelor of Pharmacy

Gain qualifications in JCU’s highly regarded course, which has the highest rating for course quality in Australia

Be assured of excellent employment prospects in a wide variety of healthcare settings

Learn to counsel patients on medications and symptoms

Experience up to 600 hours of placements in rural, urban and under-serviced communities

Enjoy superb teaching facilities and access to researchers as part of JCU’s College of Medicine and Dentistry

Overview

Experience clinical placement from your first year of studies and be job-ready when you graduate. Core subjects include:

- Biochemistry and Microbiology
- Chemistry: A Central Science
- Health and Health Care in Australia
- Human Anatomy and Physiology
- Pharmacy Practice and Pharmaceutical Sciences
- Principles of Biochemistry for Pharmacy Students
- Rural and Remote Primary and Public Health Care
- Integrated Metabolism and Nutrition for Pharmacists
- Infectious Diseases and Immunology for Pharmacists
- ENT, Eyes and Respiratory Pharmacy
- Cardiovascular and Renal Therapeutics for Pharmacists
- Nervous System and Mental Health for Pharmacists
- Endocrine and Reproductive Pharmacy
- Oncology, Haematology and Toxicology for Pharmacists.

An Honours degree option is available for high-achieving students who wish to pursue research or academic careers.

Note: Before undertaking placements you’ll require immunisations, current First Aid and CPR certificates, a Suitability to Work with Children Card (Blue Card), and an Australian Federal Police check.
Bachelor of Physiotherapy

✓ Gain practical experience working in Indigenous, rural and remote communities
✓ Complete more than 30 weeks of supervised clinical placements
✓ Take the opportunity to complete an international placement
✓ Enjoy a course that consistently reports huge student satisfaction
✓ Work on campus at JCU’s Health Musculoskeletal Physiotherapy Clinic

Overview
Succeed in your studies with the help of a personal mentor from Year 1 of your studies. Study evidence-based physiotherapy practices and ethical principles. Learn to diagnose human movement disorders. Gain professional experience in planning and administering treatment programs to restore function or minimise dysfunction after sickness or injury. Study science, anatomy, physiology, analysis of human movement, manual therapy and exercise for rehabilitation. Explore public health subjects that could add to your career options. Subject topic areas you’ll study include:
• Anatomy and Physiology for Physiotherapy
• Communication Skills for Health Professionals
• Health and Health Care in Australia

✓ Health Promotion for Health Professionals
✓ Neuroscience in Physiotherapy
✓ Clinical Medicine for Therapy
✓ Complex Cases in Rural, Remote and Indigenous Communities
✓ Physiotherapy Health Law and Ethics
✓ Health Policy and Planning.

Note: Before undertaking placements you’ll require immunisations, current First Aid and CPR certificates, Suitability to Work with Children Card (Blue Card), and an Australian Federal Police check.

An Honours degree is available for high-achieving students who wish to pursue research and academic careers.

Application Deadline: 30 September 2018

JCU has an on-campus Musculoskeletal Physiotherapy Clinic.
 Bachelor of Planning

✓ Make a positive difference in your world
✓ Study JCU’s internationally-recognised Bachelor of Planning and forge a career in Australia or anywhere in the world as a policy maker, impact assessor, environmental planner, urban designer, adviser to regional development organisations, or land trusts for Aboriginal and Torres Strait Islander communities
✓ Learn to manage the many planning challenges related to our World Heritage listed tropics, rainforests, Great Barrier Reef and growing cities
✓ Opportunities to gain genuine work experience and build networks in local authorities, state government departments, non-government organisations or private consultancies

Overview
Learn from JCU’s experienced experts how to plan and shape functional cities, thriving regions and healthy urban environments, with better social, lifestyle, environmental and economic wellbeing. Qualify for membership of the Urban and Regional Chapter of the Planning Institute of Australia. Included among the many core subject topic areas and Minor options are:

• Environmental Processes and Global Change
• Urban Geography and Design
• Population Geography and Demography
• Australian Landscape Processes and Evolution
• Human Geography
• Environmental and Regional Planning
• Indigenous Environmental Management
• Economic Growth and Sustainable Development
• Environmental and Social Impact Assessment
• Natural Hazards
• Planning for Sustainable Communities in a Changing Environment
• Planning Legislation and Professional Practice
• Design Communication
• Native Title and Land Use Planning
• Disasters, Communities and Planning.
Bachelor of Psychological Science

- Comprehensive, accredited program for the study of human behaviour
- Some of the smallest tutorial sizes in Australia
- Opportunity to transfer between the Australian campuses and Singapore
- Pathway into a fourth-year program (Honours or Graduate Diploma of Psychology)

Overview
Learn to benefit individuals and society as a result of your studies of human behaviour, relationships, mental functions and social processes. Explore current concepts and historical developments in psychology. Study the methods and ethics of scientific investigation and evidence-based practice. Experience the benefits of studying within some of Australia’s smallest tutorial classes. Some subject topic areas include:

- Behavioural Research Design and Analysis
- Memory and Cognition
- Cognitive Neuroscience
- Environmental Psychology
- Psychopathology
- Intercultural Psychology
- Social Psychology.

Graduates of this course, who wish to become fully registered as psychologists, must complete an accredited fourth-year course (e.g. BPsychSc(Hons) or Grad DipPsych) plus two years of supervised practice in the field, or an accredited Master’s degree (e.g. Master of Psychology (Clinical)) with one further year of supervised practice.

You can also choose to study a Joint degree.

Bachelor of Psychology (Honours)

- Get ahead with the help of JCU’s top notch research, study and observation facilities at JCU Townsville and JCU Cairns
- Hear leading experts present regular lectures and seminars

Overview
Learn to benefit individuals and society as a result of your studies of human behaviour, relationships, mental functions and social processes. Explore current concepts and historical developments in psychology. Study the methods and ethics of scientific investigation and evidence-based practice. Experience the benefits of studying within some of Australia’s smallest tutorial classes. Access JCU’s observation suites, electrically shielded psychophysiology recording facilities, and drugs and human performance research facilities. Some subject topic areas include:

- Behavioural Research Design and Analysis
- Memory and Cognition
- Cognitive Neuroscience
- Environmental Psychology
- Psychopathology
- Intercultural Psychology
- Social Psychology.

During your fourth year as an Honours student, you will complete a psychology thesis and also study complementary theory subjects to ensure you are well equipped to practice Psychology upon registration.

Graduates of this course who wish to become fully registered psychologists must complete two years of supervised practice in the field, or an accredited Master’s degree.
Bachelor of Advanced Science

Learn to be tomorrow’s science and research leaders
Explore advanced IT/coding, mathematics, statistics, modelling and analysis techniques
Study with internationally-recognised JCU lecturers
Collaborate on genuine projects
Have the chance of getting your work published
Be challenged and excited by the advanced skills and techniques you’ll learn. Take the opportunities to network and learn from industry experts

Overview
Your JCU Advanced Science degree will equip you with high-level IT, problem-solving, analytical, qualitative and quantitative reasoning skills that industry leaders have told us are what they need. Choose from JCU’s Advanced Science Majors:
• Aquaculture Science & Technology
• Chemistry
• Earth Science
• Marine Biology
• Mathematics
• Molecular & Cell Biology
• Physics
• Zoology & Ecology.

A state-of-the-art facility designed to support collaborative research and education for the next generation of scientists.
thescienceplace.jcu.edu.au
Bachelor of Science

Be inspired by JCU’s living laboratories - with superb coral reefs, fragile wetlands, tropical rainforests, dry savannahs and amazing flora and fauna right on the doorstep.

Choose from JCU’s Science Majors:
• Aquaculture Science and Technology
• Chemistry
• Earth Science
• Marine Biology
• Mathematics
• Molecular and Cell Biology
• Physics
• Zoology and Ecology.

Aquaculture Science & Technology

✓ Be part of this fast-growing international industry
✓ Gain hands-on Aquaculture business and practical experience
✓ Focus on tropical species, prevention of overharvesting of wild populations, and guarding against habitat destruction

Overview
Aquaculture farming is poised to provide a Major component of the world’s food supply by producing fish, crustaceans, molluscs, algae, sea vegetables and fish eggs, for food, research, sport, bait and aquariums.

JCU’s own Aquarium Complex in Townsville and JCU Orpheus Island Research Station in the Great Barrier Reef Marine Park provide both practical and research experience. You’ll learn from JCU’s internationally-recognised staff and benefit from their direct links with international researchers, the aquaculture industry and peak industry bodies. Industry placements will help you begin building your own industry networks. You’ll study topics such as:
• Marine Microbiology
• Introduction to Biodiversity
• Evolutionary Biology
• Aquaculture: Feeds and Nutrition
• Sustainable Aquaculture.

Chemistry

✓ Gain skills that equip you for diverse choices and important careers in medical, health, biological, earth and environmental sciences
✓ Choose a complementary double Major
✓ Build networks in local organisations

Overview
Study solar chemistry, and learn to play your part in developing green technologies. Explore analytical chemistry, synthetic organic and inorganic chemistry, kinetics and mechanisms of chemical reactions, spectroscopy, medicinal and biological chemistry, and materials chemistry. Your studies will complement other study areas like biology, zoology and ecology, geology, earth science, biochemistry, pharmacology, aquaculture science and technology, physics and mathematics.

Subject areas include:
• Chemistry: A Central Science
• Chemistry: Principles and Applications
• Syntheses and Mechanism in Inorganic Chemistry
• Syntheses and Mechanism in Organic Chemistry
• Analytical Chemistry.

JCU Science students have access to wetlands, river systems and coral reefs.
Overview

To give you broad career options when you graduate, you can study a multidisciplinary curriculum with one or more Majors according to your own interests. Learn to measure and record environmental features. Study, assess and develop methods to control or minimise the harmful effects of human activity on the environment. Gain skills in managing soil and contaminated land, group water assessments, mine environment management, and waste planning. Through scientific assessment, learn to develop cost effective and innovative techniques to provide solutions for environmental management. Subjects you may study include:

- Evolution of the Earth
- From Icehouse to Greenhouse
- Environmental Processes and Global Change
- Hydrology
- Australian Landscape Processes and Evolution
- Sedimentology and Stratigraphy
- Structural Geology and Tectonics
- Soil Properties and Processes for Science.

Earth Science

- Build a socially important, satisfying career
- Learn how to minimise human impacts on the natural environment
- Be able to propose strategies to manage the earth's sediment, soil, oceans, fresh water supplies and atmosphere
- Study right in the middle of World Heritage locations, and in areas rich in resources and mining

Overview

To give you broad career options when you graduate, you can study a multidisciplinary curriculum with one or more Majors according to your own interests. Learn to measure and record environmental features. Study, assess and develop methods to control or minimise the harmful effects of human activity on the environment. Gain skills in managing soil and contaminated land, group water assessments, mine environment management, and waste planning. Through scientific assessment, learn to develop cost effective and innovative techniques to provide solutions for environmental management. Subjects you may study include:

- Evolution of the Earth
- From Icehouse to Greenhouse
- Environmental Processes and Global Change
- Hydrology
- Australian Landscape Processes and Evolution
- Sedimentology and Stratigraphy
- Structural Geology and Tectonics
- Soil Properties and Processes for Science.

Marine Biology

- JCU are world leaders in Marine Biology studies
- Six of the world’s top ten coral reef scientists are on staff at JCU
- You can assist in research projects and industry practice through JCU’s involvement with the Australian Research Council Centre of Excellence for Coral Reef Studies (ARC-CoE), based at JCU Townsville, and with the Australian Institute of Marine Science
- Benefit from JCU’s strong links with the Great Barrier Reef Marine Park Authority (GBRMPA), TropWater and CSIRO in Townsville

Overview

At JCU you’ll study among some of the world’s most diverse and precious marine habitats, with access to reefs, mangroves, sandy beaches, mudbanks and seagrass beds – all within 1-2 hours from campus. You’ll explore how marine plants and animals interact with their environment, how living marine resources are affected by human-introduced variables, and how oceans and atmosphere interact. You’ll have opportunities to:

- Take amazing field trips and gain hands-on experience in data collection and fieldwork
- Study live or freshly collected material in our practical sessions
- Volunteer on current Postgraduate research projects bound for publication in primary journals
- Work in premium research facilities like JCU Orpheus Island Research Station
- Explore diverse marine ecosystems on JCU’s own seagoing vessels
- Go on international exchange programs to study distinctive marine habitats in other parts of the world.

Mathematics

- Study with JCU’s highly-awarded Mathematics staff
- Choose a double Major and be in demand when you graduate
- Develop your analytical, numerical and problem-solving skills
- Be an essential employee who is able to keep up with the rapid advances in computer and information technology

Overview

Your JCU Mathematics degree will equip you with the problem-solving, analytical and quantitative reasoning skills that are essential to many industries today. Some of the subjects you will explore include:

- Mathematics for scientists and engineers
- Operations research and monitoring
- Applied complex variable theory
- Numerical Mathematics
- Advanced Stream Physics 1
- Mathematical Methods and Differential Equations.

1 = First year only

JCU has its own Aquarium Complex.
JCU’s proximity to the rainforest means you get to learn in real-life settings.
Molecular & Cell Biology

- Work on genuine field and laboratory-based projects
- Learn directly from JCU’s leading researchers
- Hear guest lecturers who work in the field

Overview
Explore vitally important fields like ecoinformatics, stem cell biology, tropical infections, diabetes, multiple sclerosis, allergies and cancer. Learn skills you can use in research and development, new technologies, training and diagnostics in pathology, hospital and research laboratories, food and pharmaceutical industries and more. Practise the latest techniques and skills so you’re ready to compete in the job market. Subjects include:
  - Molecular Genetics
  - Biotechnology
  - Genes, Genomes and Development
  - Cell Regulation
  - Principles of Biochemistry.

Physics

- Grasp amazing opportunities to be involved in diverse real-world research projects including atomic and molecular physics, molecular and organic electronics, plasma physics, oceanography, meteorology, geophysics, and spectroscopy
- Be immersed in research ranging from fundamental electron-positron scattering to biophysics and organic solar cells through the Australian Research Council’s Centre of Excellence for Antimatter-Matter Studies (CAMS), which has a research node based right here at JCU
- Take part in real-world projects, including working in tropical North Queensland’s field-based laboratories in oceanography and meteorology
- Establish networks in medical physics, agriculture, fisheries and general consulting through genuine industry practice opportunities

Overview
Take advantage of JCU’s exceptional Physics education programs led by our award-winning staff. Experience and study the Wet and Dry Tropics, the World Heritage Great Barrier Reef Marine Park and the tropical cyclone belt. Learn to analyse, be innovative and solve problems in genuine, real-world situations - exactly the characteristics that are valued by industrial, scientific and educational employers in today’s fast-changing world. Explore some of the universe’s most challenging questions, like:
  - How did the universe begin?
  - What is happening to the earth’s climate, and what roles do oceans play?
  - How do electrons and positrons move through biological matter?

Study topics include:
  - Quantum Physics
  - Atomic and Nuclear Physics
  - Statistical Mechanics and Transport
  - Electromagnetic Phenomena
  - Introduction to Electromagnetism Optics & Early Quantum
  - Advanced Stream Physics 1.

Completing the Mathematics Minor is a requirement of this course.

Zoology & Ecology

- Experience JCU’s new Centre for Tropical Biodiversity and Climate Change
- Participate in vibrant weekly seminars presented by JCU’s internationally acclaimed research leaders
- Benefit from JCU’s Number One in Australia and Number Two in the world rankings for citations in the area of climate change research
- Network with international speakers, local biologists, plus industry and government stakeholders
- Take part in practical and widely-acclaimed field experience like the Wet Tropics Management Authority’s and Australian Butterfly Sanctuary’s project to eradicate the Yellow Crazy Ant

Overview
Grasp the opportunity to start contributing to research that addresses real world problems as you study. Be part of studies that address complex local and global tropical issues like deforestation, infrastructure expansion, habitat fragmentation, overhunting, invasive species and other environmental perils. Explore biosecurity and invasive species, behavioural ecology, conservation biology, and ecological modeling. Study a wide range of species including all higher order kingdoms – animals, plants and fungi. Take advantage of JCU’s unique benefits, like:
  - Easy access to two World Heritage sites: Great Barrier Reef National Park and the Daintree Rainforest
  - Close proximity to world-class research and teaching facility the JCU Daintree Rainforest Observatory, the only canopy crane in Australia with at least two subjects using the site for field work
  - Co-location with the Australian Tropical Herbarium, providing expertise in plant identification, molecular biology and evolution
  - Access to stakeholders including the Wet Tropics Management Authority and the Skyrail Foundation
  - JCU’s collaboration with non-Government Organisations including the World Wide Fund for Nature (WWF) Australia – providing volunteering and networking opportunities for JCU students

Your study topics include:
  - Conservation biology
  - Tropical entomology
  - Introduction to Biodiversity or Diversity of Life
  - Toolkit for the Field Biologist
  - Fundamentals of Ecology or Ecology: Distribution, Abundance and Diversity
  - Population and Community Ecology or Field Ecology.
Bachelor of Social Work

✓ Learn to help individuals, families and communities thrive
✓ Qualify to work throughout Australia and internationally
✓ Promote positive relationships and work towards creating a just and equitable society
✓ Become work-ready to forge a career in hospitals, community health centres, early intervention and child protection programs, family support services, school, justice, housing, disability or aged care services
✓ Develop your own interpersonal relationship skills, analytical and problem-solving abilities, and emotional maturity
✓ Participate in field placements

Overview
Gain satisfaction from helping to make a difference in today’s world. Learn skills to enable you to specialise in public housing, drug addiction, child welfare, domestic violence, youth, disability, aged care, mental health, counselling and mediation, social policy, research and more. Study this accredited degree with a distinctive focus on rural and remote communities, Aboriginal and Torres Strait Islander frameworks, and international social work contexts. Experience 1,000 hours of hands-on training with an accredited social work supervisor. Core subjects include:
• Australian Society: An Introduction to Sociology
• The Political World: An Introduction to Political Science
• Human Rights and Social Issues
• Deviance, Crime and Society
• Self in Professional Helping
• Exploring Psychology: from Brain to Practice
• Exploring Psychology: from Perception to Reality
• Qualitative Research
• Aboriginal and Torres Strait Islander Skills and Frameworks for Practice
• Interpersonal Practice

You will be qualified to work in Australia and overseas.

• Professional Values and Ethics
• Social Welfare Work with Children and Families
• Developmental Approaches to Eco-Social Justice
• Australian Indigenous Politics.

Note: Before undertaking some placements you’ll require immunisations, current First Aid and CPR certificates, Suitability to Work with Children Card (Blue Card), and an Australian Federal Police check.
Bachelor of Speech Pathology

✓ Make a big difference in the lives of people of all ages
✓ Learn the professional skills required to work in schools, hospitals, private practice, rehabilitation units, nursing homes, mental health settings, specialist disability agencies and more
✓ Gain practical work experience through professional placements, working in JCU’s own Speech Pathology Clinic, and via extensive field work
✓ Take opportunities for rural, remote and overseas placements which put you ahead in obtaining employment

Overview
Work with real clients (with supervision) in a variety of specialties. Gain a deeper understanding of the unique needs of people in Indigenous, rural and remote communities. Learn to collaborate with other health professionals to diagnose, develop strategies, treat and manage diverse disorders. Experience the pleasure of making a difference in the lives of clients such as:

• Newborn babies with feeding difficulties
• Children whose speech and language problems cause difficulties with school and society
• Adults who have a swallowing disability associated with a neurological disorder or a brain injury
• People whose voices have been damaged by surgery
• Performers with voice difficulties
• People who need alternative methods to communicate such as voice-output computers
• People who stutter.

Subject topic areas include:

• Anatomy and Physiology
• Linguistics and Phonetics
• Speech and language development and disorders
• Voice impairments
• Stuttering Across the Lifespan
• Acquired Communication Disorders

• Foundations of Allied Health Professional Practice
• Health Promotion for Health Professionals
• Rural and Remote Primary and Public Health Care.

Note: Successful applicants require Hepatitis B, MMR, varicella, and pertussis immunisations, current Queensland First Aid and CPR certificates, along with a Suitability to Work with Children (Blue Card) and an Australian Federal Police check before undertaking placement. It is essential that these requirements are completed prior to the commencement of your first clinical experience, or by the end of your first semester/teaching period, whichever comes first.

Two Honours degree options are available for high-achieving students who wish to pursue research or academic careers.
Bachelor of Sport and Exercise Science

Learn to enhance people’s performance and prevent injuries in sport, exercise and leisure settings

Study with experienced sport and exercise professionals

Gain practical experience in elite sporting academies, the defence force, corporate health, schools, universities and fitness centres

Participate in internationally-ranked sport and exercise research initiatives

Experience work in North Queensland’s tropical climate and rich cultural heritage

Overview
Study the scientific principles underlying the benefits of physical activity. Work with elite athletes to everyday community members to improve performance and health. Gain satisfaction from helping people of all ages to enhance their physical performance, health and wellbeing. Experience JCU’s world-class technical, training and testing facilities. Create and support exercise and physical activity promotions. Subject topic areas include:

- Sport and Exercise Nutrition
- Sports Medicine
- Training and Rehabilitation
- Exploring Psychology
- Kinesiology and Biomechanics
- Science and Practice in Physical Activity
- Anatomy and Physiology for Sport and Exercise Science
- Health and Health Care in Australia
- Dynamics of Sport and Exercise Behaviour.

High-achieving students, including those who wish to pursue research and academic careers, may be offered an Honours degree comprising an additional one-year program (full-time or equivalent) undertaken after successful completion of the Bachelor of Sport and Exercise Science.

Note: Before undertaking placements you’ll require immunisations, current First Aid and CPR certificates, Suitability to Work with Children Card (Blue Card), and an Australian Federal Police check.
Bachelor of Veterinary Science

✓ Learn to play a major role in the healthcare of pets, livestock, zoo animals, aquatic species, and sporting and laboratory animals
✓ Experience field trips, practical work and clinical placements throughout your course in veterinary hospitals, private practices, laboratories and government agencies around Queensland - and in some cases, overseas
✓ Be able to meet the public demand for sustainable animal production that meets health and welfare expectations
✓ Study in state-of-the-art facilities, with a unique emphasis on rural and tropical practice
✓ Become work-ready to forge a career in private veterinary practice, zoos, wildlife sanctuaries, animal welfare organisations, quarantine, pharmacology, government quarantine and biosecurity agencies, corporations concerned with animal health and (with further study) tertiary teaching and research

Overview
Experience this exceptional course which has recorded the Highest Student Satisfaction Rating in Australia. Study in JCU’s Veterinary and Emergency Centre and Hospital on campus, on-site animal yards, the University’s own working cattle station, the JCU Teaching Resource Centre, the JCU Large and Small Animal Clinic on the Atherton Tablelands, and our high-tech teaching laboratories. Gain knowledge and skills in tropical and rural veterinary settings, plus experience in tropical animal husbandry and aquaculture. Benefit from JCU’s active partnerships with government agencies and agricultural networks. Learn from JCU’s active researchers. When you graduate, you’ll be eligible to register with Veterinary Boards in any Australian state, and you’ll be eligible to practice in New Zealand and the United Kingdom. Core subjects include:

• Veterinary Professional Life
• Cell Biology and Biochemistry for Veterinary Science and Agriculture
• Plants and Animals for Veterinary Science
• Chemistry: A Central Science
• Animal Structure and Function
• Transitions from Health to Disease
• Veterinary Clinical Sciences
• Veterinary Clinical and Professional Practice.

High-achieving students, including those who wish to pursue research and academic careers, may be offered an Honours degree comprising an additional one-year program (full-time or equivalent) undertaken after successful completion of the Bachelor of Veterinary Science.

Note: Q Fever immunisation, a current Queensland First Aid and CPR certificate, and certain inherent requirements are prerequisites for all Veterinary students.

Application Deadline: 30 September 2018
Apply to study at JCU

We welcome applications from school leavers, from those looking for new opportunities and careers, and from students wanting to transfer to JCU from another university.

Choosing your course and applying
Choose your course by visiting jcu.edu.au/courses

Apply through the Queensland Tertiary Admissions Centre (QTAC). The QTAC website has full details about the application process.

You can choose up to six courses in order of preference – the QTAC website has further details on prioritising your choices.

The QTAC entry process has regular ‘offer rounds’, giving you the opportunity to either accept the offer you have been provided or change your preferences. All successful applicants receive their ‘offer advice’ by email. In addition, you can check if you have an offer at QTAC’s current applicant online service.

ACCEPT AND ACTIVATE
Go to the QTAC website and log in to your application, then accept your offer through QTAC and click on the Enrol at JCU Now button to activate your offer.

SPECIAL DEADLINES/APPLICATIONS
The JCU courses listed below require an additional application that you send directly to JCU.

Application deadline: 30 September 2018
- Bachelor of Dental Surgery
- Bachelor of Medicine, Bachelor of Surgery*
- Bachelor of Physiotherapy
- Bachelor of Veterinary Science.

Application deadline: 31 October 2018
- Bachelor of Health Science (Physician Assistant).

The application forms can be downloaded from jcu.edu.au/dthm/forms

*Shortlisted applicants are also required to attend an interview before final selection for entry into the Bachelor of Medicine, Bachelor of Surgery.

Admission pathway – bridging subjects
Bridging subjects are designed to fill any gaps in your knowledge, before you start your studies. You may need to enrol in a bridging subject if you have not achieved the grade of ‘Sound Achievement or better’ in Queensland Senior Maths B or Chemistry. You will need to check the entry requirements for your course on the JCU website.

We offer mathematics and chemistry bridging subjects that can be studied on campus in Cairns and Townsville.

When you receive an offer and you want to proceed:
1. Accept your offer by activating an account online and follow the prompts
2. Confirm your personal details online
3. Plan your subjects
4. Check your timetable
5. Enrol in your course
6. Attend OWeek at JCU.

For help call 1800 246 446
Non-school leavers and mature-age students

You may have the skills, maturity and commitment needed for successful tertiary study, but not the formal academic qualifications. It is possible to qualify for a QTAC selection rank even if you don’t have secondary school results or previous tertiary study experience. Any paid employment of more than six months full-time could assist in giving you entry into a diploma, or a degree. Previous employment doesn’t need to be related to the course you are applying for.

Employment experience can be used on its own, or combined with the Special Tertiary Admissions Test (STAT).

The STAT is designed to assess a range of competencies considered important for success. It assesses broad skills, rather than specific academic knowledge. STAT is used primarily to help non-school leavers enter university. You will receive a written statement with your results two to three weeks after you sit the test, so make sure you apply in plenty of time.

“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
# 2019 Undergraduate degrees and diplomas

## Bachelor Degrees with Majors

<table>
<thead>
<tr>
<th>Major</th>
<th>Prerequisite subjects</th>
<th>Years (full-time)</th>
<th>Campus availability and QTAC codes</th>
<th>Mid-year entry</th>
<th>OP/RANK</th>
<th>ATAR to QTAC conversion</th>
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<td><strong>Biomedical Sciences</strong></td>
<td>English; Chemistry; Maths B Recommended: one of Biology, Health Education, Physical Education or Physics</td>
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<td>Sports &amp; Events Management</td>
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<td>Clinical Sciences (Honours)</td>
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<td>Dental Surgery</td>
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1. Recommended: one of Biology, Health Education, Physical Education or Physics
2. + separate JCU application
3. Completion of an AQF Level 5 Diploma of Teaching or an equivalent or higher qualification in Education that includes a pass in professional experience.
<table>
<thead>
<tr>
<th>Bachelor Degrees with Majors</th>
<th>Prerequisite subjects</th>
<th>Years (full-time)</th>
<th>Campus availability and QTAC codes</th>
<th>Mid-year entry</th>
<th>OP/ RANK</th>
<th>ATAR to QTAC conversion</th>
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<td>Electronic Systems &amp; Internet of Things</td>
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<tr>
<td>Biodiversity Assessment &amp; Management</td>
<td>Assumed Knowledge: English; Maths B Recommended Study: At least one of Biology, Chemistry, Earth Science, Geography, Maths C or Physics</td>
<td>3</td>
<td>326431 316431 1</td>
<td>no</td>
<td>16/65</td>
<td>60.20</td>
</tr>
<tr>
<td>Corporate Environmental Management</td>
<td>Assumed Knowledge: English; Maths B Recommended Study: At least one of Biology, Chemistry, Earth Science, Geography, Maths C or Physics</td>
<td>3</td>
<td>326431 316431 1</td>
<td>no</td>
<td>16/65</td>
<td>60.20</td>
</tr>
<tr>
<td>Land &amp; Water Management</td>
<td>Assumed Knowledge: English; Maths B Recommended Study: At least one of Biology, Chemistry, Earth Science, Geography, Maths C or Physics</td>
<td>3</td>
<td>326431 316431 1</td>
<td>no</td>
<td>16/65</td>
<td>60.20</td>
</tr>
<tr>
<td>Urban Environments &amp; Landscape Design</td>
<td>Assumed Knowledge: English; Maths B Recommended Study: At least one of Biology, Chemistry, Earth Science, Geography, Maths C or Physics</td>
<td>3</td>
<td>326431 316431 1</td>
<td>no</td>
<td>16/65</td>
<td>60.20</td>
</tr>
<tr>
<td><strong>Exercise Physiology (Clinical)</strong></td>
<td>English; Maths A, B or C Recommended one of Biology, Chemistry, Physics, Health Education or Physical Education</td>
<td>4</td>
<td>- 317071 1</td>
<td>no</td>
<td>16/65</td>
<td>60.20</td>
</tr>
<tr>
<td><strong>Geology</strong></td>
<td>Assumed Knowledge: English; Maths B Recommended Study: At least one of Chemistry, Physics or Maths C</td>
<td>3</td>
<td>326311 316311 1</td>
<td>yes</td>
<td>16/65</td>
<td>60.20</td>
</tr>
<tr>
<td><strong>Health Science (Physician Assistant)</strong></td>
<td>Health-related qualification with a minimum of Certificate IV (AQF Level 4) and a minimum of two years full-time (or equivalent part-time) clinical experience in a healthcare setting that includes direct patient contact; + separate JCU application</td>
<td>3</td>
<td>- 317145 1</td>
<td>no</td>
<td>SER</td>
<td>-</td>
</tr>
<tr>
<td><strong>Information Technology</strong></td>
<td>English, (Maths B desirable)</td>
<td>3</td>
<td>322341 312341 312349 (Ext) yes</td>
<td>17/63</td>
<td>56.55</td>
<td></td>
</tr>
<tr>
<td><strong>Laws</strong></td>
<td>English</td>
<td>4</td>
<td>321061 311061 1</td>
<td>yes</td>
<td>12/74</td>
<td>72.60</td>
</tr>
<tr>
<td><strong>Laws (Graduate entry)</strong></td>
<td>Completion of an AQF level 7 bachelor degree in any discipline</td>
<td>3</td>
<td>322161 312161 1</td>
<td>yes</td>
<td>prior</td>
<td>-</td>
</tr>
<tr>
<td><strong>Marine Science</strong></td>
<td>Assumed Knowledge: English; Maths B Recommended Study: At least one of Biology, Physics, Maths C, Earth Science or Geology</td>
<td>3</td>
<td>- 316251 1</td>
<td>yes</td>
<td>12/74</td>
<td>72.60</td>
</tr>
<tr>
<td><strong>Medical Laboratory Science (Honours)</strong></td>
<td>English, Maths B, Chemistry Recommended one of Biology, Health Education, Physical Education or Physics</td>
<td>4</td>
<td>- 316121 1</td>
<td>no</td>
<td>15/66</td>
<td>61.80</td>
</tr>
<tr>
<td><strong>Medicine, Surgery</strong></td>
<td>English, Maths B, Chemistry; + separate JCU application and an interview</td>
<td>6</td>
<td>- 317012 1</td>
<td>no</td>
<td>SER</td>
<td>-</td>
</tr>
<tr>
<td><strong>Nursing Science (Post-registration)</strong></td>
<td>Registered Nurse</td>
<td>1</td>
<td>326041 316041 316049 (Flex) yes</td>
<td>336041 (Mk)</td>
<td>prior</td>
<td>study/74</td>
</tr>
</tbody>
</table>

[jcu.edu.au](http://jcu.edu.au)
<table>
<thead>
<tr>
<th>Bachelor Degrees with Majors</th>
<th>Prerequisite subjects</th>
<th>Years (full-time)</th>
<th>Campus availability and QTAC codes</th>
<th>Mid-year entry</th>
<th>OP/RANK</th>
<th>ATAR to QTAC conversion</th>
</tr>
</thead>
</table>
| Nursing Science<sup>1</sup>  
(Pre-registration)            | English; (Biology, Chemistry or Maths A, B or C also desirable) | 3                | 326031 316031 336031 (MK) 346031 (Mt) | yes            | 16/65   | 60.20                  |
| Nursing Science             | English; (Biology, Chemistry or Maths A, B or C also desirable)  
(Pre-registration) Flexible delivery mode | 3                | - - 316139 (Flex) | yes            | 15/67   | 63.40                  |
| Nursing Science - Midwifery | English; (Biology, Chemistry or Maths A, B or C also desirable) | 4                | - 317122 - no | 9/82           | 81.45   |                        |
| Occupational Therapy (Honours)<sup>1</sup> | English, plus one of Chemistry, Biology, Physics, Physical Education or Health Education | 4                | - 316101 - no | 14/69 | 66.30 |
| Pharmacy<sup>1</sup>         | English; Maths B, Chemistry | 4                | - 316151 - no | 12/74 | 72.60 |
| Physiotherapy<sup>2</sup>    | English; Maths B, plus one of Chemistry, Biology, Physics, Physical Education or Health Education; + separate JCU application<sup>2</sup> | 4                | - 317031 - no | SER | - |
| Planning                    | English                | 4                | 326271 316271 - yes | 17/63 | 56.55 |
| Psychological Science       | English                | 3                | - 311081 - yes | 15/67 | 63.40 |
| Psychology (Honours)        | English                | 4                | - 311561 - yes | 14/69 | 66.30 |
| Science                     |                       |                  |                                  |                |         |                        |
| Aquaculture Science & Technology | Assumed Knowledge: English; Maths B  
Recommended Study: at least one of Chemistry, Biology, Earth Science, Geography, Physics or Maths C | 3                | 326061<sup>1</sup> 316061 - yes | 16/65 | 60.20 |
| Chemistry                   | Assumed Knowledge: English; Maths B  
Recommended Study: at least one of Chemistry, Biology, Earth Science, Geography, Physics or Maths C | 3                | - 316061 - no | 16/65 | 60.20 |
| Earth Science               | Assumed Knowledge: English; Maths B  
Recommended Study: at least one of Chemistry, Biology, Earth Science, Geography, Physics or Maths C | 3                | 326061 316061 - yes | 16/65 | 60.20 |
| Marine Biology              | Assumed Knowledge: English; Maths B  
Recommended Study: at least one of Chemistry, Biology, Earth Science, Geography, Physics or Maths C | 3                | 326061<sup>1</sup> 316061 - yes | 16/65 | 60.20 |
| Mathematics                 | Assumed Knowledge: English; Maths B  
Recommended Study: at least one of Chemistry, Biology, Earth Science, Geography, Physics or Maths C | 3                | 326061<sup>1</sup> 316061 - yes | 16/65 | 60.20 |
| Molecular & Cell Biology     | Assumed Knowledge: English; Maths B  
Recommended Study: at least one of Chemistry, Biology, Earth Science, Geography, Physics or Maths C | 3                | - 316061 - yes | 16/65 | 60.20 |
| Physics                     | Assumed Knowledge: English; Maths B  
Recommended Study: at least one of Chemistry, Biology, Earth Science, Geography, Physics or Maths C | 3                | - 316061 - no | 16/65 | 60.20 |
| Zoology & Ecology            | Assumed Knowledge: English; Maths B  
Recommended Study: at least one of Chemistry, Biology, Earth Science, Geography, Physics or Maths C | 3                | 326061 316061 - yes | 16/65 | 60.20 |
| Advanced Science<sup>1</sup> - Majors as above | English; Maths B  
Recommended Study: At least one of Biology, Chemistry, Physics or Maths C | 3                | 326361 316361 - no | 6/89 | 88.80 |
<p>| Social Work                 | English                | 4                | 321091 311091 311099 (Flex) | yes | 15/67 | 61.80 |
| Speech Pathology&lt;sup&gt;3&lt;/sup&gt; | English; plus one of Chemistry, Biology, Physics or Health Education | 4                | - 317041 - no | 13/72 | 70.20 |</p>
<table>
<thead>
<tr>
<th>Bachelor Degrees with Majors</th>
<th>Prerequisite subjects</th>
<th>Years (full-time)</th>
<th>Campus availability and QMCA codes</th>
<th>Mid-year entry</th>
<th>OP/ RANK</th>
<th>ATAR to QTAC conversion</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sport &amp; Exercise Science</strong></td>
<td>English, Maths A, B or C; Recommended: one of Biology, Chemistry, Physics, Health Education or Physical Education</td>
<td>3</td>
<td>Cairns</td>
<td>no</td>
<td>18/61</td>
<td>54.20</td>
</tr>
</tbody>
</table>

| **Veterinary Science** | English, Chemistry; Maths B (Biology highly desirable); + separate JCU application | 5 | Cairns | no | SER | - |

<table>
<thead>
<tr>
<th>Joint Degrees</th>
<th>Prerequisite subjects</th>
<th>Years (full-time)</th>
<th>Campus availability and QMCA codes</th>
<th>Mid-year entry</th>
<th>OP/ RANK</th>
<th>ATAR to QTAC conversion</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Arts - Business</strong></td>
<td>English, (Maths B desirable)</td>
<td>4</td>
<td>Cairns</td>
<td>yes</td>
<td>19/61</td>
<td>51.65</td>
</tr>
<tr>
<td><strong>Arts - Laws</strong></td>
<td>English</td>
<td>5</td>
<td>Cairns</td>
<td>yes</td>
<td>15/67</td>
<td>63.40</td>
</tr>
<tr>
<td><strong>Arts - Science</strong></td>
<td>English, Chemistry, Maths B</td>
<td>4</td>
<td>Cairns</td>
<td>yes</td>
<td>16/65</td>
<td>60.20</td>
</tr>
<tr>
<td><strong>Business - Laws</strong></td>
<td>English</td>
<td>5</td>
<td>Cairns</td>
<td>yes</td>
<td>15/67</td>
<td>63.40</td>
</tr>
<tr>
<td><strong>Business - Psychological Science</strong></td>
<td>English, (Maths B desirable)</td>
<td>4</td>
<td>Cairns</td>
<td>no</td>
<td>SER</td>
<td>-</td>
</tr>
<tr>
<td><strong>Engineering (Honours) - Information Technology</strong></td>
<td>English, Maths B</td>
<td>5</td>
<td>Cairns</td>
<td>yes</td>
<td>12/74</td>
<td>72.60</td>
</tr>
<tr>
<td><strong>Science - Laws</strong></td>
<td>English, Chemistry, Maths B</td>
<td>5</td>
<td>Cairns</td>
<td>yes</td>
<td>15/67</td>
<td>63.40</td>
</tr>
<tr>
<td><strong>Sport &amp; Exercise Science - Psychological Science</strong></td>
<td>English, Maths A, B or C; Recommended: one of Biology, Chemistry, Physics, Health Education or Physical Education</td>
<td>5</td>
<td>Cairns</td>
<td>no</td>
<td>14/69</td>
<td>66.30</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Diploma</th>
<th>Prerequisite subjects</th>
<th>Years (full-time)</th>
<th>Campus availability and QMCA codes</th>
<th>Mid-year entry</th>
<th>OP/ RANK</th>
<th>ATAR to QTAC conversion</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Diploma of Higher Education Business</strong></td>
<td>English, (Maths B desirable)</td>
<td>1</td>
<td>Cairns</td>
<td>yes</td>
<td>19/61</td>
<td>51.65</td>
</tr>
</tbody>
</table>

1 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.

<table>
<thead>
<tr>
<th>Pathway Programs</th>
<th>Prerequisites</th>
<th>Years (full-time)</th>
<th>Campus availability and QMCA codes</th>
<th>Mid-year entry</th>
<th>OP/ RANK</th>
<th>ATAR to QTAC conversion</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Diploma of Higher Education Business</strong></td>
<td>English language proficiency</td>
<td>1</td>
<td>Cairns</td>
<td>yes</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Engineering &amp; Applied Science</strong></td>
<td>English language proficiency</td>
<td>1</td>
<td>Cairns</td>
<td>yes</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>General Studies</strong></td>
<td>English language proficiency</td>
<td>1</td>
<td>Cairns</td>
<td>yes</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Health</strong></td>
<td>English language proficiency</td>
<td>1</td>
<td>Cairns</td>
<td>yes</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Information Technology</strong></td>
<td>English language proficiency</td>
<td>1</td>
<td>Cairns</td>
<td>yes</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Science</strong></td>
<td>English language proficiency</td>
<td>1</td>
<td>Cairns</td>
<td>yes</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Society &amp; Culture</strong></td>
<td>English language proficiency</td>
<td>1</td>
<td>Cairns</td>
<td>yes</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

8 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 degree programs.

9 Indigenous Health Careers Access Program (HCAP) option available for Australian Aboriginal and Torres Strait Islander applicants

10 First year is also available at JCU Cairns (you must transfer to JCU Townsville to complete your degree) **First year is also available at JCU Townsville (you must transfer to JCU Cairns to complete your degree)**

11 Additional application due to JCU by 30 September 2018 **Additional application due to JCU by 31 October 2018**

12 (Mt) = Mount Isa  (Mk) = Mackay  (Th) = Thursday Island  (Ext) = External, delivered entirely off-campus (dependent on subjects chosen)

13 (Flex) = flexible delivery including online learning with some compulsory residential periods on JCU Townsville  SER = Special Entry Requirements
Further information for school leavers

Prerequisite subject equivalents
Interstate, International Baccalaureate (IB) and New Zealand

<table>
<thead>
<tr>
<th>QLD*</th>
<th>ACT</th>
<th>NSW</th>
<th>SA/NNT</th>
<th>TAS</th>
<th>VIC</th>
<th>WA</th>
<th>IB</th>
<th>NZ</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 semesters at Sound Achievement (5A) or better</td>
<td>50%+ (as percentage grade) in T Majors only*</td>
<td>50%+ (average of examination mark and school assessment)*</td>
<td>D or better (from Publicly Examined Subjects [PES] only)*</td>
<td>Sound Achievement or better (exit level of achievement)*</td>
<td>25+ (study score)*</td>
<td>50%+ (subjects scaled mark)*</td>
<td>HL: 3 or higher SL: 4 or higher*</td>
<td>2.0 (achieved or better at NCEA Level 3)*</td>
</tr>
<tr>
<td>English</td>
<td>• English • Language and Literature • World Literature • ESL</td>
<td>• English Standard • English Advanced • ESL • English Extension 1 • English Extension 2</td>
<td>• English • English Studies • ESL • English Communication • English Literary Studies • English as an Additional Language</td>
<td>• English • English Literature • Writer's Workshop • World Literature • English Studies • English Communications • English Writing</td>
<td>• English • English (ESL) • Literature • English Language</td>
<td>• English • English (Stage 2 or 3) • English for ESL Students • English Literature • English Course • English as an Additional Language or Dialect</td>
<td>• English • A Language and Literature • English A: Literature</td>
<td>• English</td>
</tr>
<tr>
<td>Mathematics A or General Mathematics</td>
<td>• Mathematical Applications • General Mathematics • Maths in Society • Maths in Practice</td>
<td>• Mathematical Methods (up to 2016) • General Mathematics</td>
<td>• Quantitative Methods</td>
<td>• Mathematics Applied</td>
<td>• Mathematics Methods Senior Secondary SC</td>
<td>• Further Mathematics</td>
<td>• Mathematics I</td>
<td>• Mathematical Studies (SL)</td>
</tr>
<tr>
<td>Mathematics B or Mathematical Methods</td>
<td>• Mathematics • Specialist Mathematics • Mathematical Methods</td>
<td>• Mathematics Extension 1 • Mathematics Extension 2 • Mathematics</td>
<td>• Mathematics Methods • Mathematics 1 • Mathematical Methods (from 2017)</td>
<td>• Mathematics Applied</td>
<td>• Mathematics Applied Senior Secondary SC</td>
<td>• Mathematics Methods</td>
<td>• Mathematical Methods</td>
<td>• Calculus • Applicable Mathematics</td>
</tr>
<tr>
<td>Mathematics C or Specialist Mathematics</td>
<td>• Specialist Mathematics • Mathematics Advanced Extended</td>
<td>• Mathematics (3U to 4U) • Mathematics Extension 1 and 2</td>
<td>• Specialist Mathematics • Mathematics 2</td>
<td>• Mathematics Specialist Senior Secondary SC • Mathematics Specialised</td>
<td>• Specialist Mathematics</td>
<td>• Specialist Mathematics</td>
<td>• Mathematics Specialised</td>
<td>• Mathematics</td>
</tr>
<tr>
<td>Physics</td>
<td>• Physics • Electronics</td>
<td>• Science (3U or 4U) • Physics (2U) • Physics</td>
<td>• Physics</td>
<td>• Physics • Applied Science • Physical Sciences • Physical Sciences</td>
<td>• Physics</td>
<td>• Physics • Physical Science • Physics (Stage 3)</td>
<td>• Physics</td>
<td>• Physics</td>
</tr>
<tr>
<td>Chemistry</td>
<td>• Chemistry</td>
<td>• Science (3U or 4U) • Chemistry (2U) • Chemistry</td>
<td>• Chemistry</td>
<td>• Chemistry</td>
<td>• Chemistry (Stage 3)</td>
<td>• Chemistry</td>
<td>• Chemistry</td>
<td>• Chemistry</td>
</tr>
<tr>
<td>Biology or Biological Sciences</td>
<td>• Biology • Human Biology • Biological Sciences</td>
<td>• Biology (2U) • Biology</td>
<td>• Biology</td>
<td>• Biology</td>
<td>• Biology</td>
<td>• Biology</td>
<td>• Biology</td>
<td>• Biology</td>
</tr>
</tbody>
</table>

* Includes external Year 12 subjects

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

“I felt that getting into IoT would 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
World-class facilities

The defining feature of JCU is its tropical location and its research excellence in disciplines relevant to the Tropics.

JCU received the highest possible rating (well above world standard) in the following research fields from the Australian Research Council*:

- Environmental science and management
- Ecology
- Geology
- Physical geography and environmental geoscience
- Ecological applications
- Plant biology
- Medical microbiology
- Neurosciences.

*Excellence in Research for Australia (ERA) 2015. The next round of ERA will take place in 2018.

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

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

Our 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 savannas 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 institutions.

Advanced Analytical Centre
Australian Institute of Tropical Health and Medicine
- Mosquito Research Facility
- Advanced Protein Analysis Facility
Australian Tropical Herbarium
The Cairns Institute

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
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.edu.au/cairnsinstitute

The 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.

The 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.

www.aithm.jcu.edu.au

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, 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 AITHM as a world leader in tropical health, medical and biotechnology research and research training will enable 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.
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 (lab) and one traditional air-conditioned lab.

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

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 DRO forms part of the TERN Australian Supersite Network helping to 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 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
Field work forms a large and practical part of many JCU courses.
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.

jcu.edu.au/oirs

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.

Students can access JCU’s scientific resources and marine facilities located on Orpheus Island.
JCU Marine & Aquaculture Research Facility (MARF)

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

jcu.edu.au/marf

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.

Our 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.
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.

coralcoe.org.au

The Centre of Excellence 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 James Cook University (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.jcu.edu.au

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 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.
JCU eResearch Centre

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

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 & Analysis Technologies (SEMAT) project, and the Wallace Initiative – a website for climate predictions and variables using biodiversity and climate data.

eresearch.jcu.edu.au

Licuala palms are among the diversity of plants that grow in the tropical rainforests of Northern Australia.

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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