**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.

<table>
<thead>
<tr>
<th><strong>NO. 1</strong></th>
<th><strong>TOP 2%</strong></th>
<th><strong>TOP 30</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>IN AUSTRALIA FOR EMPLOYER SATISFACTION¹</td>
<td>JCU GLOBAL RANK²</td>
<td>OF MODERN UNIVERSITIES³</td>
</tr>
<tr>
<td>21,972 STUDENTS</td>
<td>4,698 EMPLOYEES</td>
<td>15 DISTINGUISHED PROFESSORSHIPS</td>
</tr>
<tr>
<td>FIVE STARS FOR FULL-TIME EMPLOYMENT⁵</td>
<td>RESEARCH CONNECTIONS TO 124 COUNTRIES</td>
<td>TOTAL RESEARCH INCOME: $47.4 MILLION</td>
</tr>
<tr>
<td>124 COUNTRIES</td>
<td>26 JCU SPECIALISED RESEARCH CENTRES &amp; INSTITUTES</td>
<td></td>
</tr>
</tbody>
</table>

¹ QILT Employer Satisfaction Survey National Report. ² Academic Ranking of World Universities (ARWU). ³ 2018 The Good Universities Guide. ⁴ Times Higher Education (THE) World University Rankings 50 under 50 2018. 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).
WORLD CLASS OR BETTER

108 COUNTRIES

1,600 STUDENTS

JCU DAINTREE RAINFOREST OBSERVATORY

ON-CAMPUS ACCOMMODATION FOR OVER

‘WORLD CLASS OR BETTER’ IN 35 AREAS OF RESEARCH

STUDENTS FROM

AUSTRALIA’S FIRST INTERNET OF THINGS RESEARCH LAB

117 INDUSTRY RESEARCH CONTRACTS

HANDS-ON LEARNING

FIVE STARS FOR STUDENT SUPPORT

WORLD-CLASS FACILITIES

FIVE STARS FOR SKILLS DEVELOPMENT

5 STARS FOR SKILLS DEVELOPMENT

5 STARS FOR STUDENT SUPPORT

$1.75 Bn

$1.3 Bn

$0.8 Bn

JCU’S CONTRIBUTION TO HUMAN CAPITAL

JCU FLETCHERVIEW RESEARCH STATION

JCU’S ECONOMIC IMPACT

$1.3 Bn

$1.9 Bn

$0.8 Bn

ASSETS

IN FUTURE INVESTMENT

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

2 2017 JCU Economic Impact and Human Capital Report. CRICOS Provider Code 00117J

jcu.edu.au | 1
Welcome to James Cook University

The Tropics is rapidly emerging as a focus for some of the most critical challenges and opportunities of our time. A vast geographic zone, the Tropics is now home to more than 40 per cent of the world’s population, and supports some 80 per cent of the planet’s terrestrial biodiversity. Its share of world economic output is significant and growing rapidly.

JCU is ranked number one in Australia for employer satisfaction1 and is a global research leader on issues of vital importance to the world’s tropical regions and beyond. You will gain and contribute to the knowledge and experience base that will influence the trajectory of our world for generations to come.

Our teaching and research is focused around four themes:
• Industries and Economies in the Tropics
• People and Societies in the Tropics
• Tropical Ecosystems and Environment
• Tropical Health, Medicine and Biosecurity.

Postgraduate students benefit from our variety of world renowned specialist research centres and institutes. These serve as hubs for research and innovation, and add immeasurably to the quality of the learning and research experience at our University, ensuring JCU graduates are highly valued for their combination of theoretical knowledge and practical experience.


James Cook University is committed to fostering a community that features, at its core, respect, inclusion and safety for all.

JCU is proud to be part of the Respect Now. Always. campaign - a national initiative led by Universities Australia to prevent and address sexual harassment and sexual assault. Further information about JCU’s commitment to the elimination of sexual harassment and sexual assault, and services and support 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.


1QILT Employer Satisfaction Survey (ESS) 2017
## Contents

Welcome from the Vice-Chancellor ........................................ 2  
**Our locations** .................................................................. 4  
  Cairns ........................................................................ 4  
  Townsville ................................................................. 6  
  Singapore ................................................................. 8  
State of the Tropics .......................................................... 9  
Accommodation .................................................................. 10  
Research for the Tropics .................................................... 12  
Postgraduate degrees at JCU ........................................... 14  
Your pathways to Postgraduate research degrees .......... 14  
Coursework courses ....................................................... 16  
**Coursework degrees and qualifications** ......................... 23  
  Accounting ................................................................. 24  
  Conflict Management & Resolution ........................... 25  
  Education ................................................................. 26  
  Engineering ............................................................. 27  
  Governance & Leadership .......................................... 28  
  Guidance & Counselling ........................................... 29  
  Health & Medicine .................................................... 30  
  Information Technology ............................................. 36  
  Master of Business Administration ............................... 37  
  Planning ................................................................. 40  
  Science ....................................................................... 41  
  Social Work & Social Science ................................. 45  
  Veterinary & Animal Science ................................... 46  
Research courses ........................................................... 47  
Application and fees ....................................................... 50  
**Research facilities** ........................................................... 52  
  The Cairns Institute .................................................... 54  
  Australian Institute of Tropical Health and Medicine .... 55  
  Daintree Rainforest Observatory .................................. 56  
  Orpheus Island Research Station ............................... 58  
  Marine and Aquaculture Research Facility (MARF) ...... 59  
  The ARC Centre of Excellence for Coral Reef Studies .... 60  
  AIMS@JCU .................................................................. 61  
  eResearch Centre ...................................................... 62  
  Advanced Analytical Centre ...................................... 62  
  Fletcherview Research Station .................................... 63  
Unique challenges facing the Tropics ................................. 64  
Contacts ........................................................................ 65  

jcu.edu.au | 3
Cairns

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  
Hot, rainy and humid atmosphere  
Dry season (June–October) 17°–26°C  
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:** | Opportunities for local students to meet and socialise with other students from around the world and Australia |
Over 4,000 students study at JCU Cairns, including approximately 380 international students. The campus location is spectacular – surrounded on three sides by rainforest-covered mountains and close to the northern beaches. It is 15 kilometres north of the city centre in the suburb of Smithfield.

JCU Cairns houses state-of-the-art teaching and research facilities including the Australian Institute of Tropical Health and Medicine science and health science laboratories, an information technology building, impressive library, student refectory, gym and outdoor sporting facilities.

Located in the city centre, JCU Cairns City 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 to allow 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. Its proximity to World Heritage natural environments provides you with unrivalled research locations and opportunities for field trips.
Townsville

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

**Climate:** Summer (December–February) 24–32°C
Hot and humid atmosphere
Winter (June–August) 13–26°C
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:** Opportunities for local students to meet and socialise with other students from around the world and Australia
JCU Townsville

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 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 JCU Townsville City, 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. The Station is available for your research projects, supporting Honours theses, Masters by research and Doctoral work.

JCU Townsville City is located in the heart of Flinders Street in the city.
Singapore

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.

**Climate:** Dry season (March–August) 25°–32°C
Wet season (September–February) 24°–32°C

**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:** 5.4m

**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.
The future belongs to the Tropics. By the middle of the century, most of the world’s people will live between the Tropic of Capricorn and the Tropic of Cancer. Importantly, two out of every three children will live in a tropical region.

Rapid economic and population growth in the region means the extent to which development challenges are addressed and opportunities embraced will affect the future of the world. The world’s fastest growing cities can be found right next to the world’s most diverse ecosystems. Research and development capacity in the Tropics is not proportionate to the challenge ahead. The State of the Tropics projects demonstrate that tackling the complex issues and unique challenges facing the Tropics will need talented and innovative people who live and work in the Tropics (see page 60 for more detailed information). Postgraduate students at James Cook University have a unique opportunity to work towards a better future for the Tropics and thus a better future for the world.

Convened by JCU, the State of the Tropics project brings together key institutions from across the globe to assess and report on the critical questions facing this important region. In June 2014, Aung San Suu Kyi, Nobel Laureate and Leader of Myanmar’s National League for Democracy, launched the State of the Tropics Report in Myanmar, with JCU co-hosting the event from its Australian and Singapore campuses. The State of the Tropics Report is the first in-depth, objective assessment of the Tropics as an environmental and geopolitical entity in its own right. The project shines a light on the societies and issues of the tropical world, revealing a new global dynamic and contributing to efforts to improve the lives of the people and environments of the Tropics.

In 2016, the United Nations recognised the importance of the tropical region by endorsing an International Day of the Tropics, to be celebrated on 29 June each year, marking the anniversary of the launch of the inaugural State of the Tropics Report.

The project is ongoing with the next State of the Tropics Report due in 2020.

Visit: stateofthetropics.org
Whether you need somewhere to stay for a block mode subject or for the duration of your course, there are number of options available to you when you come to study at JCU as a post-graduate student. Our dedicated Accommodation team can help you with your search for accommodation that suits you.

Living on-campus

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

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

Applications to live on-campus open August 1 for the following year. You can apply for on-campus housing via the JCU website.

Living off-campus

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

The JCU website has a database of properties located close to the University. 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.
- Check the dates and length of time you are committing to. You will be signing a legal document which you may not be able to break because you have changed your mind.
- Check the location of the property to the proximity to the University campus, bus stops and amenities.

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

If you are considering relocating to Townsville and Cairns while you study at JCU you will be moving to one of the most amazing places in the world. You will be living on the gateway to the World Heritage Listed Great Barrier Reef, have access to magnificent rainforests and yearlong summer.
Short stay relocation accommodation

If you are relocating to Townsville or Cairns and considering living off-campus you may like to stay for a week or two on-campus to familiarise yourself with the local area. Short stay options are available up to the weekend prior to Orientation Week and are single board only. You can book in via our website jcu.edu.au/accommodation/short-term-stay.

Block mode subject accommodation

Do you need to come to Townsville or Cairns for a block mode subject? We have short-term accommodation options available for you on-campus (subject to availability). Book in via our website jcu.edu.au/accommodation/short-term-stay.

However, since you are coming to one of the most beautiful places in the world, you may want to consider allowing yourself an extra couple of days to see the sights. Have a chat to our accommodation team about some of the great locations to stay to get the most out of being here.

Transport

Both JCU Townsville and JCU Cairns are located about 20 minutes from the airport. Buses don’t run from the airports, however taxis are available. A bus from the centre of town to the University will take about 30 minutes. Buses run regularly. You can view the timetable here www.sunbus.com.au.

Further information

jcu.edu.au/accommodation
accommodation@jcu.edu.au
T 07 4781 4148
T (International) +61 7 4781 4148

Whether you choose to live on-campus, or off, the JCU Accommodation team are here to help you find the accommodation that suits you.
Research for the Tropics

**Tackling malaria head-on**

**Distinguished Professor Louis Schofield**, Director of the Australian Institute of Tropical Health and Medicine (AITHM) at JCU, has received a $2.8 million grant from the Bill and Melinda Gates Foundation, to pursue a pre-clinical development of a vaccine aimed to eradicate malaria – one of the world’s most serious infectious diseases. The research is being conducted in collaboration with researchers from the Walter and Eliza Hall Institute in Melbourne, as well as colleagues in the USA. The funding will enable the team to develop a broad spectrum vaccine effective against most species of human malaria.

**The integration of language and society**

This project aims to seek associations between social and lifestyle differences and language structure. All human societies show pervasive similarities and all languages share recurrent features. Viewing society and language as an integrated whole, the project will study related groups in contrasting physical and social environments in PNG, Africa, East Asia, Amazonia and Australia. Inductive generalisations about associations between societal and language parameters aim to provide insight into the human dynamic (e.g. varying techniques of address relating to articulated kin systems and social hierarchy). Findings should benefit programs for cultural awareness, language teaching and revitalisation, and understanding of multicultural situations.

Chief Investigators: Prof Alexandra Aikhenvald, RMW Dixon, Prof Maarten Mous (Leiden University); Prof Dr Anne Storch (University of Cologne); Dr Nerida Jarkey (University of Sydney).

**Spider venom investigated as cancer treatment**

**Professor Norelle Daly** and her team from the Queensland Tropical Health Alliance laboratories at JCU are investigating whether compounds in the venom of funnel-web spiders and tarantulas can kill breast cancer cells. The team is characterising the structures of novel compounds using mass spectrometry and nuclear magnetic resonance spectroscopy, looking at whether the stable structures present in venom can be exploited in the treatment of diseases such as cancer.

**Leading the quest to protect threatened species**

**Distinguished Professor Helene Marsh** from JCU’s College of Science and Engineering is one of Australia’s leading experts on marine mammals and Chair of the National Threatened Species Scientific Committee. Her research has led to policy outcomes including significant contributions to the science base for the Dugong Sanctuary established in the Torres Strait, and a Commonwealth Ministerial Taskforce to investigate the sustainability of Indigenous hunting of dugongs and turtles.
Pioneering the Internet of Things (IoT)

In addition to launching Australia’s first IoT Engineering undergraduate degree, JCU is also making waves in IoT research. Collaborating with Australian telecommunications giant Optus, Professor Wei Xiang recently submitted a project on wearable IoT networks for person-centred healthcare, allowing people to monitor their health conditions in real time through wearable sensor technology. Data is automatically collected and triggers an alarm when there is something wrong. In addition, Dr Bronson Philippa has completed a trial of ultrasound hardware and software with the Queensland Department of Agriculture and Fisheries to determine the meat content of live mud crabs. Ideally, this technology will be further developed to use in the fishing industry to grade products.

Managing reefs

Professor Joshua Cinner, Reef Research Leader: Social Science with the ARC Centre of Excellence for Coral Reef Studies, is using his Pew Fellowship to discover and understand the world’s coral reef ‘bright spots’ – places where ecosystems have prospered despite seemingly unfavourable socio-economic and environmental conditions. Exploring these bright spots is important to understand how they differ, in order to deal more effectively with other changes. Dr Cinner’s project also focuses on how to reduce key drivers of change by exploring how people’s environmental behaviour is influenced by the ways they’re integrated with the local and global fish markets.

Assessing health in the Tropics with health economics

Dr Emily Callander, of the Australian Institute of Tropical Health and Medicine (AITHM), is currently investigating healthcare expenditure on access to health care, and the compounding effect high out-of-pocket costs have when combined with low income and poor rates of labour force participation in the Tropics. This economic focus will improve public health interventions and specifically measure the wider social and economic impacts within tropical populations.

Sustainable energy

A research team is investigating a sustainable power supply for remote areas in northern Queensland, including its islands, where there is no connection to the national electricity grid. Led by Associate Professor Ahmad Zahedi from the College of Science and Engineering, the researchers are looking at solar and wind power supported by battery storage. The results obtained from this research prove that solar energy in tropical north Queensland is the most affordable, environmentally friendly and sustainable option for electricity generation. Because of high quality sun resources, north Australia has the potential to generate bulk solar electricity and connect it to the ASEAN electricity network as an export product.

JCU Townsville’s new $85M The Science Place is transforming the teaching of science.
Postgraduate degrees at JCU

How to get started
Looking to enhance your existing career? Interested in a life of research and discovery? Do you want to steer your life in a new direction and try something new? Choosing the right degree can be a lengthy decision to make, but JCU is here to make the process easier. Use the following pages in this guide to compare and shortlist the postgraduate courses you may be interested in, then get the enrolment process started by visiting pages 50-51.

Coursework vs research – which should you choose?
Coursework qualifications include Graduate Certificates, Graduate Diplomas and Masters degrees. All coursework degrees are structured very similarly to undergraduate degrees with specified subjects and learning outcomes. These programs are particularly useful if you wish to further your career in a chosen field, or steer your career in a new direction with a different discipline.

Research degrees, also known as Higher Degrees by Research (HDR), comprise of a program of supervised original research in a chosen discipline. Learning is undertaken independently, with no lectures or classes to attend. Research qualifications include Master of Philosophy, Doctor of Philosophy and Professional Doctorates. Research degrees are ideal for students who wish to work in academia or who wish to introduce their existing profession to high-level research.

Doctor of Philosophy (PhD)
A PhD consists of supervised original research. It culminates in the submission of a thesis that demonstrates the ability for critical analysis and research that makes a significant and original contribution to knowledge and understanding within the field of study.

Masters of Philosophy (MPhil)
The Master of Philosophy is a two-year degree designed for graduates to undertake supervised study and research. At least two-thirds of the degree is devoted to research, research training, and independent study.

Professional Doctorate
A research degree that integrates your professional experience with high-level applied research in a related field of study.

Our Research Studies Support Program offers training in research skills, academic writing and professional development. The program also provides financial support for direct research costs, specific support for international candidates, English language assistance and development, and opportunities to present your work nationally and internationally.

Credit for previous studies (Advanced standing)
If you have completed subjects at another institution in Australia or overseas, or as part of a different degree at JCU, you may be able to transfer credit to your new course. You can use the Advanced Standing Calculator to enquire about possible credit that may be allocated to a JCU course, based on your previous studies at a recognised tertiary institution. Not all subjects from your previous study may be eligible to be transferred to your new JCU course. See Applying for Credit for previous study at jcu.edu.au for more details.

Graduate Diploma of Research Methods
If you do not have sufficient research experience, JCU offers a one-year (full-time) research qualifying course as a potential pathway to gain the skills required to enter a Higher Degree by Research. We also offer a six-month (full-time) Graduate Certificate of Research Methods. JCU offers a number of Higher Degrees by Research (HDR).

Your pathways to postgraduate research degrees

Modes of delivery
JCU degrees are offered on an internal basis (i.e. offered primarily through face-to-face delivery on campus), or external mode basis (i.e. offered primarily by flexible, online or distance delivery, but may require some attendance on campus).

Students intending to study in Australia on a student visa are not eligible for external mode degrees. They are only permitted to study degrees with a Commonwealth Register of Institutions and Courses for Overseas Students (CRICOS) registered course code.

It is important to note that some external mode degrees may require on campus attendance. International students studying an external mode degree from overseas cannot apply for an Australian student visa for any Australian on campus attendance requirements. Before applying for an external mode degree students should be aware of the on campus attendance requirements and contact the Department of Home Affairs to identify which type of visa is appropriate for their requirements.
Pathways to a Doctor of Philosophy (PhD)
As a guide, you need to have completed ONE of the following to apply for a PhD:

1. A Bachelor’s degree with at least Second Class, Division A (Honours) in a degree program that included a total of at least a semester of supervised project work, the results of which contributed to the Honours grade.
   OR

2. A Postgraduate qualification which included:
   a. Supervised research component(s) of at least one semester or equivalent and resulted in the production of output(s) graded at the equivalent of Distinction or better,
   and
   b. At least one research methods subject
   OR

3. A Research Masters degree, where at least two-thirds of the degree consisted of a supervised research component and resulted in the production of a thesis or equivalent.

Pathways to a Masters of Philosophy (MPhil)
As a guide, you need to have completed ONE of the following to apply for a MPhil:

1. A Bachelor’s degree with at least Second Class, Division B (Honours) in a degree program that included a total of at least a 0.5 semester of supervised project work, the results of which contributed to the Honours grade.
   OR

2. A Postgraduate qualification, which included:
   a. Supervised research component(s) of at least 0.5 semester (or equivalent) and resulted in the production of output(s) graded at the equivalent of Credit or better,
   and
   b. At least one research methods subject
   OR

3. Graduate Certificate or Diploma in Research Methods graded at the equivalent of Credit or better, in addition to a Bachelor’s degree.

Did you complete a different undergraduate study area?

Did you complete similar or same undergraduate study area?
## MASTERS BY COURSEWORK

<table>
<thead>
<tr>
<th>Course</th>
<th>Duration (years)</th>
<th>Campus/ Mode</th>
<th>Mid-Year Start (July)</th>
<th>Minimum prerequisites and additional documentation</th>
<th>Course Code</th>
<th>Page no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Business Administration</td>
<td>1.5</td>
<td>T</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree; or equivalent qualifications or relevant professional experience.</td>
<td>116204</td>
<td>37</td>
</tr>
<tr>
<td>Master of Business Administration (Leadership)</td>
<td>2</td>
<td>T, E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree; or equivalent qualifications or relevant practical experience.</td>
<td>116604</td>
<td>37</td>
</tr>
<tr>
<td>Master of Business Administration Global</td>
<td>2***</td>
<td>E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in a cognate discipline or an AQF level 8 degree in any discipline plus two years business experience, or four years experience in a managerial role; or equivalent qualifications or practical experience.</td>
<td>300204</td>
<td>38</td>
</tr>
<tr>
<td>Master of Business Administration – Master of Conflict Management and Resolution</td>
<td>2</td>
<td>T, E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in a business or human services discipline; or equivalent qualifications or practical experience.</td>
<td>112004</td>
<td>38</td>
</tr>
<tr>
<td>Master of Conflict Management and Resolution</td>
<td>1.5</td>
<td>T, E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree; or equivalent qualifications with relevant professional experience.</td>
<td>117304</td>
<td>25</td>
</tr>
<tr>
<td>Master of Data Science</td>
<td>3***</td>
<td>E</td>
<td>Yes</td>
<td>Completion of relevant AQF level 7 bachelor degree or five years or more relevant industry experience in IT or Data Science/ Data Analytics; or equivalent qualifications with relevant practical experience. Note: algebra &amp; elementary differential calculus and a background in computing, data analysis or programming is assumed.</td>
<td>300104</td>
<td>41</td>
</tr>
<tr>
<td>Master of Education</td>
<td>1.5</td>
<td>T, C, E***</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in a discipline other than education with a minimum of two years professional experience in education, or a bachelor degree in education; or equivalent qualifications. Note: this course does not lead to teacher registration.</td>
<td>113804</td>
<td>26</td>
</tr>
<tr>
<td>Master of Engineering (Professional)</td>
<td>2</td>
<td>T, C</td>
<td>Yes</td>
<td>Completion of a four-year AQF level 7 Bachelor of Engineering in any discipline; or equivalent. Note: Water Resource Management; Internet of Things and Data Engineering; and Electrical and Renewable Energy majors require a four-year Bachelor of Engineering at AQF level 7 (or equivalent) in a discipline cognate to the major.</td>
<td>118304</td>
<td>27</td>
</tr>
<tr>
<td>Master of Global Development</td>
<td>2</td>
<td>C, E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree; or equivalent qualifications or practical experience.</td>
<td>118204</td>
<td>40</td>
</tr>
<tr>
<td>Master of Governance and Leadership</td>
<td>1.5</td>
<td>T, E</td>
<td>Yes</td>
<td>Completion of an AQF 7 bachelor degree with four years relevant employment/work experience in management, governance or leadership roles; or equivalent qualifications or practical experience.</td>
<td>117704</td>
<td>28</td>
</tr>
<tr>
<td>Master of Guidance and Counselling</td>
<td>1.5</td>
<td>T</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in education, psychology, social work, law, health or career development.</td>
<td>34704</td>
<td>29</td>
</tr>
<tr>
<td>Master of Health Professional Education</td>
<td>3*</td>
<td>E</td>
<td>Yes</td>
<td>Registration as a nurse, doctor or other health professional in Australia; or completion of an appropriate AQF level 7 bachelor degree in a relevant discipline with two years practical experience, or equivalent.</td>
<td>107004</td>
<td>30</td>
</tr>
<tr>
<td>Master of Information Technology</td>
<td>2</td>
<td>T</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree; or equivalent qualifications or practical experience.</td>
<td>113504</td>
<td>36</td>
</tr>
<tr>
<td>Course</td>
<td>Duration (years)</td>
<td>Campus/ Mode</td>
<td>Mid-Year Start (July)</td>
<td>Minimum prerequisites and additional documentation</td>
<td>Course Code</td>
<td>Page no.</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>------------------</td>
<td>--------------</td>
<td>-----------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------</td>
<td>-------------</td>
<td>----------</td>
</tr>
<tr>
<td>Master of Information Technology–Master of Business Administration</td>
<td>2</td>
<td>T</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in information technology.</td>
<td>112404</td>
<td>38</td>
</tr>
<tr>
<td>Master of Medical Science</td>
<td>2</td>
<td>T</td>
<td>Yes</td>
<td>Completion of an AQF level 7 Biomedical Science degree, Medical Laboratory Science degree, or AQF level 8 Graduate Diploma of Medical Science, or equivalent.</td>
<td>117204</td>
<td>32</td>
</tr>
<tr>
<td>Master of Nursing</td>
<td>2</td>
<td>E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in nursing or equivalent qualification and Registered Nurse (Division 1) registration with the Australian Health Practitioner Regulation Agency (AHPRA).</td>
<td>300004</td>
<td>30</td>
</tr>
<tr>
<td>Master of Pharmaceutical Public Health</td>
<td>1.5</td>
<td>E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in a relevant discipline, or equivalent qualifications with relevant professional experience.</td>
<td>105904</td>
<td>35</td>
</tr>
<tr>
<td>Master of Planning and Urban Design</td>
<td>2</td>
<td>T, C</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in geography, environmental studies, planning, engineering or relevant discipline.</td>
<td>116104</td>
<td>40</td>
</tr>
<tr>
<td>Master of Professional Accounting–Master of Business Administration</td>
<td>2</td>
<td>T, E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in a business discipline other than accounting, or equivalent qualifications or relevant experience.</td>
<td>112104</td>
<td>39</td>
</tr>
<tr>
<td>Master of Public Health</td>
<td>1.5</td>
<td>T, E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in a health discipline, or equivalent qualifications or practical experience.</td>
<td>72504</td>
<td>35</td>
</tr>
<tr>
<td>Master of Public Health–Master of Business Administration</td>
<td>2</td>
<td>T, E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in a health discipline, or equivalent qualifications or practical experience.</td>
<td>109804</td>
<td>37</td>
</tr>
<tr>
<td>Master of Public Health and Tropical Medicine</td>
<td>1.5</td>
<td>T, E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in a related discipline, or equivalent qualifications with relevant professional experience.</td>
<td>74204</td>
<td>35</td>
</tr>
<tr>
<td>Master of Rehabilitation and Tropical Medicine</td>
<td>1.5</td>
<td>E</td>
<td>No</td>
<td>Completion of an AQF level 7 bachelor degree in a relevant health discipline (general major); or an AQF level 7 Bachelor of Physiotherapy, Occupational Therapy or Speech Pathology; or equivalent.</td>
<td>114804</td>
<td>31</td>
</tr>
<tr>
<td>Master of Rural and Remote Medicine</td>
<td>1.5</td>
<td>E</td>
<td>Yes</td>
<td>Applicants must be registered health practitioners with the Australian Health Practitioner Regulation Agency (AHPRA) and be experienced rural health practitioners; or have completed, or be enrolled in, a training program in rural medicine or general practice certified by the Australian College of Rural and Remote Medicine or the Royal Australian College of General Practitioners; or be a current student of an Australian Medical Council (AMC) accredited medicine program.</td>
<td>74504</td>
<td>32</td>
</tr>
<tr>
<td>Master of Science (Professional)</td>
<td>2</td>
<td>T, C</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in science with a minimum GPA of 5 (65%); or equivalent.</td>
<td>115804</td>
<td>41</td>
</tr>
</tbody>
</table>

Campus availability: T = Townsville; C = Cairns
External mode degrees are primarily offered by flexible, online or distance delivery, but may require some attendance on campus.
Graduate Certificates are 12 credit point courses.
Available as part-time study only.

** Not all majors available at all campuses
*** Course operates on a Carousel model of study with six intakes per year.
^ This course is under review, please contact JCU for further information
^^ This is a 48 credit point course studied in 1.5 years.
<table>
<thead>
<tr>
<th>Course</th>
<th>Duration (years)</th>
<th>Campus/Mode</th>
<th>Mid-Year Start (July)</th>
<th>Minimum prerequisites and additional documentation</th>
<th>Course Code</th>
<th>Page no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Science</td>
<td>1.5</td>
<td>T, C**</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in science with a minimum GPA of 5 (65%), or equivalent.</td>
<td>106904</td>
<td>41-44</td>
</tr>
<tr>
<td>Master of Social Science</td>
<td>1.5</td>
<td>T, C, E***</td>
<td>No</td>
<td>Completion of an AQF level 7 bachelor degree in a social science discipline, with an overall GPA of 5, within the previous five years, or completion of an AQF level 8 qualification in any discipline, within the previous five years, or equivalent qualifications.</td>
<td>103404</td>
<td>45</td>
</tr>
<tr>
<td>Majors: Asia-Pacific Governance and Development, Environment and Heritage, Indigenous Studies</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Master of Social Work (Professional Qualifying)</td>
<td>2</td>
<td>T, C</td>
<td>No</td>
<td>Completion of an AQF level 7 bachelor degree in a relevant discipline other than an Australian Association of Social Workers (AASW) recognised social work degree, or equivalent qualifications.</td>
<td>103804</td>
<td>45</td>
</tr>
<tr>
<td>Master of Teaching and Learning (Primary)</td>
<td>2</td>
<td>T, C, E</td>
<td>No</td>
<td>Completion of an AQF Level 7 bachelor degree, or equivalent, which includes the equivalent of a full year of study in subjects that link to the national school curriculum (Australian Curriculum, Assessment and Reporting Authority (ACARA)) in English, technologies, mathematics, science, humanities and social sciences, the arts, health and physical education.</td>
<td>114004</td>
<td>26</td>
</tr>
<tr>
<td>Master of Teaching and Learning (Secondary)</td>
<td>2</td>
<td>T, C</td>
<td>No</td>
<td>Completion of an AQF Level 7 bachelor degree in Animal Science, or equivalent.</td>
<td>114104</td>
<td>26</td>
</tr>
<tr>
<td>Master of Tropical Animal Science</td>
<td>1.5</td>
<td>T</td>
<td>No</td>
<td>Completion of an AQF level 7 bachelor degree in Veterinary Science, or equivalent.</td>
<td>75104</td>
<td>46</td>
</tr>
<tr>
<td>Master of Tropical Veterinary Science</td>
<td>1.5</td>
<td>T</td>
<td>No</td>
<td>Completion of an AQF level 7 bachelor degree in Veterinary Science, or equivalent.</td>
<td>75204</td>
<td>46</td>
</tr>
</tbody>
</table>

**GRADUATE DIPLOMAS**

<table>
<thead>
<tr>
<th>Course</th>
<th>Duration (years)</th>
<th>Campus/Mode</th>
<th>Mid-Year Start (July)</th>
<th>Minimum prerequisites and additional documentation</th>
<th>Course Code</th>
<th>Page no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate Diploma of Accounting</td>
<td>1</td>
<td>T, E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree, or equivalent qualifications or practical experience.</td>
<td>23506</td>
<td>24</td>
</tr>
<tr>
<td>Graduate Diploma of Biomedical Sciences</td>
<td>1</td>
<td>T</td>
<td>No</td>
<td>Completion of an AQF level 7 bachelor degree in a biomedical science or cognate science discipline, or equivalent.</td>
<td>105106</td>
<td>32</td>
</tr>
<tr>
<td>Graduate Diploma of Business Administration Global</td>
<td>1.5***</td>
<td>E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in a cognate discipline and two years business experience, or four years experience in a managerial role, or equivalent qualifications or practical experience.</td>
<td>300206</td>
<td>38</td>
</tr>
<tr>
<td>Graduate Diploma of Data Science</td>
<td>1.5***</td>
<td>E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree, or five years relevant industry experience in IT or Data Science/Data Analytics, or equivalent qualifications or practical experience. Note: Algebra &amp; elementary differential calculus and a background in computing, data analysis or programming is assumed.</td>
<td>300106</td>
<td>41</td>
</tr>
<tr>
<td>Graduate Diploma of Engineering</td>
<td>1</td>
<td>T, C</td>
<td>Yes</td>
<td>Completion of a four-year AQF level 7 Bachelor of Engineering, or equivalent, in a discipline cognate to one of the streams.</td>
<td>118307</td>
<td>27</td>
</tr>
<tr>
<td>Graduate Diploma of Global Development</td>
<td>1</td>
<td>C, E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree, or equivalent qualifications or practical experience.</td>
<td>118206</td>
<td>40</td>
</tr>
<tr>
<td>Graduate Diploma of Health Professional Education</td>
<td>2*</td>
<td>E</td>
<td>Yes</td>
<td>Registration as a nurse, doctor of medicine or other health professional in Australia; or completion of an appropriate AQF level 7 bachelor degree in a relevant discipline, with two years relevant experience or equivalent.</td>
<td>107006</td>
<td>30</td>
</tr>
<tr>
<td>Course</td>
<td>Duration (years)</td>
<td>Campus/Mode</td>
<td>Mid-Year Start (July)</td>
<td>Minimum prerequisites and additional documentation</td>
<td>Course Code</td>
<td>Page no.</td>
</tr>
<tr>
<td>--------------------------------------------</td>
<td>------------------</td>
<td>-------------</td>
<td>-----------------------</td>
<td>------------------------------------------------------------------------------------------------------------------------</td>
<td>-------------</td>
<td>----------</td>
</tr>
<tr>
<td>Graduate Diploma of Medical Science</td>
<td>1</td>
<td>T</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in Biomedical Sciences or cognate degree, or equivalent.</td>
<td>116107</td>
<td>33</td>
</tr>
<tr>
<td>Majors: Clinical Sciences, Medical Laboratory Science</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Diploma of Midwifery</td>
<td>1.5*</td>
<td>T</td>
<td>No</td>
<td>Registration as a nurse in Australia, and completion of an AQF level 7 bachelor degree in a health-related field, or equivalent, and have concurrent placement arranged for a minimum 0.4FTE in a midwifery unit.</td>
<td>73907</td>
<td></td>
</tr>
<tr>
<td>Graduate Diploma of Nursing</td>
<td>1.5***</td>
<td>E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in nursing, or equivalent, and Registered Nurse (Division 1) registration with the Australian Health Practitioner Regulation Agency (AHPRA).</td>
<td>300006</td>
<td>30</td>
</tr>
<tr>
<td>Majors: Education, Leadership and Management, Advanced Practice</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Diploma of Orthodontics</td>
<td>2*</td>
<td>C</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in dentistry more than two years prior to application.</td>
<td>116506</td>
<td></td>
</tr>
<tr>
<td>Graduate Diploma of Psychology</td>
<td>1</td>
<td>C, T</td>
<td>No</td>
<td>Completion of a bachelor degree that includes an Australian Psychology Accreditation Council approved three-year sequence in psychology, and a minimum credit average (65%) in all level 2 and 3 psychology subjects taken as part of that degree, or equivalent.</td>
<td>15707</td>
<td>30</td>
</tr>
<tr>
<td>Graduate Diploma of Public Health and Tropical Medicine</td>
<td>1</td>
<td>T, E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in a health-related discipline, or equivalent.</td>
<td>73707</td>
<td>35</td>
</tr>
<tr>
<td>Graduate Diploma of Rehabilitation</td>
<td>1</td>
<td>E</td>
<td>No</td>
<td>Completion of an AQF level 7 bachelor degree in a relevant health discipline (general major), or completion of an AQF level 7 Bachelor of Physiotherapy, Occupational Therapy or Speech Pathology.</td>
<td>114807</td>
<td>31</td>
</tr>
<tr>
<td>Majors: General, Occupational Therapy, Physiotherapy, Speech Pathology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Diploma of Research Methods</td>
<td>1</td>
<td>T, C, E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in a relevant discipline with a minimum GPA of 5 (credit average) in the final year, or equivalent qualifications</td>
<td>114206</td>
<td></td>
</tr>
<tr>
<td>1. Tropical Health and Medicine</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Tropical Environments and Societies</td>
<td>T, C</td>
<td></td>
<td></td>
<td></td>
<td>114106</td>
<td></td>
</tr>
<tr>
<td>Graduate Diploma of Rural Generalist Practice</td>
<td>1</td>
<td>T</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in a relevant health discipline more than two years prior to admission.</td>
<td>117506</td>
<td>34</td>
</tr>
<tr>
<td>Graduate Diploma of Rural and Remote Medicine</td>
<td>1</td>
<td>T, E</td>
<td>Yes</td>
<td>Applicants must be registered health practitioners with the Australian Health Practitioner Regulation Agency (AHPRA) and be experienced rural health practitioners, or have completed, or be enrolled in, a training program in rural medicine or general practice certified by the Australian College of Rural and Remote Medicine or the Royal Australian College of General Practitioners, or be a current student of an Australian Medical Council (AMC) accredited medicine program.</td>
<td>74507</td>
<td>32</td>
</tr>
<tr>
<td>Graduate Diploma of Science</td>
<td>1</td>
<td>T, C**</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in science, or equivalent.</td>
<td>105006</td>
<td>41</td>
</tr>
<tr>
<td>Graduate Diploma of Social Science</td>
<td>1</td>
<td>T, C</td>
<td>No</td>
<td>Completion of an AQF level 7 bachelor degree, or equivalent.</td>
<td>103406</td>
<td>45</td>
</tr>
<tr>
<td>Graduate Diploma of Surgical Anatomy</td>
<td>1</td>
<td>T</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in a health-related field, registered with the Australian Health Practitioner Regulation Agency (AHPRA) and must maintain registration for the duration of the course, or be a current final-year student of a JCU MBBS program with a minimum 5.0 GPA.</td>
<td>113906</td>
<td></td>
</tr>
<tr>
<td>Graduate Diploma of Tropical Animal Science</td>
<td>1</td>
<td>T</td>
<td>No</td>
<td>Completion of an AQF level 7 bachelor degree in animal science, or equivalent qualification with relevant professional experience.</td>
<td>105206</td>
<td>45</td>
</tr>
</tbody>
</table>

Campus availability: T = Townsville; C = Cairns

External mode degrees are primarily offered by flexible, online or distance delivery, but may require some attendance on campus

+ Graduate Certificates are 12 credit point courses.

* Available as part-time study only

** Not all majors available at all campuses

*** Course operates on a Carousel model of study with six intakes per year.

^ This course is under review, please contact JCU for further information

^^ This is a 48 credit point course studied in 1.5 years.

jcu.edu.au | 19
<table>
<thead>
<tr>
<th>Course</th>
<th>Duration</th>
<th>Campus/Mode</th>
<th>Mid-Year Start (July)</th>
<th>Minimum prerequisites and additional documentation</th>
<th>Course Code</th>
<th>Page no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate Diploma of Tropical Medicine and Hygiene</td>
<td>1</td>
<td>T, E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in a relevant health discipline, or equivalent.</td>
<td>73807</td>
<td>34</td>
</tr>
<tr>
<td>Graduate Diploma of Tropical Veterinary Science</td>
<td>1</td>
<td>T</td>
<td>No</td>
<td>Completion of an AQF level 7 bachelor degree in Veterinary Science, or equivalent.</td>
<td>75207</td>
<td>45</td>
</tr>
</tbody>
</table>

**GRADUATE CERTIFICATES**

<table>
<thead>
<tr>
<th>Course</th>
<th>Duration</th>
<th>Campus/Mode</th>
<th>Mid-Year Start (July)</th>
<th>Minimum prerequisites and additional documentation</th>
<th>Course Code</th>
<th>Page no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate Certificate of Accounting</td>
<td>0.5</td>
<td>T, E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree; or equivalent qualifications with relevant professional experience.</td>
<td>23511</td>
<td>24</td>
</tr>
<tr>
<td>Graduate Certificate of Aeromedical Retrieval</td>
<td>1*</td>
<td>T, E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in teaching, or completion of 72 credit points of a Bachelor of Education from this university, or equivalent.</td>
<td>76511</td>
<td>34</td>
</tr>
<tr>
<td>Graduate Certificate of Biomedical Sciences</td>
<td>0.5</td>
<td>T</td>
<td>No</td>
<td>Completion of an AQF level 7 bachelor degree in a biomedical science or cognate science discipline, or equivalent.</td>
<td>75011</td>
<td>32</td>
</tr>
<tr>
<td>Graduate Certificate of Business Administration</td>
<td>0.5</td>
<td>T, E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree, or a minimum of five years business experience, or equivalent qualifications or practical experience.</td>
<td>109011</td>
<td>37</td>
</tr>
<tr>
<td>Graduate Certificate of Business Administration Global</td>
<td>1***</td>
<td>E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in a cognate discipline and two years business experience, or four years experience in a managerial role, or equivalent qualifications or practical experience.</td>
<td>300211</td>
<td>38</td>
</tr>
<tr>
<td>Graduate Certificate of Career Development</td>
<td>1*</td>
<td>E</td>
<td>No</td>
<td>Completion of an AQF level 7 bachelor degree, or equivalent.</td>
<td>106011</td>
<td>-</td>
</tr>
<tr>
<td>Graduate Certificate of Catholic Education</td>
<td>1*</td>
<td>C</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree; or equivalent qualifications or practical experience.</td>
<td>104811</td>
<td>-</td>
</tr>
<tr>
<td>Graduate Certificate of Conflict Management and Resolution</td>
<td>1*</td>
<td>E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree; or equivalent qualifications or practical experience.</td>
<td>23411</td>
<td>25</td>
</tr>
<tr>
<td>Graduate Certificate of Data Science</td>
<td>1***</td>
<td>E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree, or five years relevant industry experience in IT or DataScience/Data Analytics, or equivalent qualifications or practical experience. Note: algebra &amp; elementary differential calculus and a background in computing, data analysis or programming is assumed.</td>
<td>300111</td>
<td>41</td>
</tr>
<tr>
<td>Graduate Certificate of Diabetes Education</td>
<td>1*</td>
<td>C</td>
<td>Yes</td>
<td>Completion of an AQF Level 7 bachelor degree in teaching, or completion of 72 credit points of a Bachelor of Education from this university, or equivalent.</td>
<td>113011</td>
<td>-</td>
</tr>
<tr>
<td>Graduate Certificate of Disaster Health and Humanitarian Assistance</td>
<td>1*</td>
<td>T</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in a relevant health discipline, or equivalent.</td>
<td>76811</td>
<td>31</td>
</tr>
<tr>
<td>Graduate Certificate of Engineering</td>
<td>1*</td>
<td>T, C</td>
<td>Yes</td>
<td>Completion of a four-year AQF level 7 Bachelor of Engineering degree in any discipline, or equivalent.</td>
<td>118311</td>
<td>27</td>
</tr>
<tr>
<td>Graduate Certificate of Global Development</td>
<td>0.5</td>
<td>C, E</td>
<td>Yes (July intake part-time only)</td>
<td>Completion of an AQF level 7 bachelor degree; or equivalent qualifications or practical experience.</td>
<td>118211</td>
<td>40</td>
</tr>
<tr>
<td>Graduate Certificate of Health Economics</td>
<td>1*</td>
<td>T</td>
<td>No</td>
<td>Completion of a AQF level 7 bachelor degree; or equivalent.</td>
<td>117111</td>
<td>-</td>
</tr>
<tr>
<td>Graduate Certificate of Health Professional Education</td>
<td>1*</td>
<td>E</td>
<td>Yes</td>
<td>Registration as a nurse, doctor of medicine or other health professional in Australia; or completion of an appropriate AQF level 7 bachelor degree in a relevant discipline, with 2 years relevant experience.</td>
<td>107011</td>
<td>30</td>
</tr>
<tr>
<td>Course</td>
<td>Duration (years)</td>
<td>Campus/ Mode</td>
<td>Mid-Year Start (July)</td>
<td>Minimum prerequisites and additional documentation</td>
<td>Course Code</td>
<td>Page no.</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>------------------</td>
<td>--------------</td>
<td>-----------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------</td>
<td>-------------</td>
<td>----------</td>
</tr>
<tr>
<td>Graduate Certificate of Infection Control</td>
<td>1*</td>
<td>E*</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in a medical, nursing or other relevant health-related field.</td>
<td>76711</td>
<td>-</td>
</tr>
<tr>
<td>Graduate Certificate of Information Technology</td>
<td>0.5</td>
<td>T</td>
<td>No</td>
<td>Completion of an AQF level 7 bachelor degree, or equivalent qualifications or practical experience.</td>
<td>50311</td>
<td>36</td>
</tr>
<tr>
<td>Graduate Certificate of Nursing Majors: Advanced Practice, Education, Leadership and Management.</td>
<td>1*</td>
<td>E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in nursing or equivalent qualification and Registered Nurse (Division 1) registration with the Australian Health Practitioner Regulation Agency (AHPRA).</td>
<td>300011</td>
<td>30</td>
</tr>
<tr>
<td>Graduate Certificate of Pharmaceutical Public Health</td>
<td>1*</td>
<td>E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in a relevant discipline, or equivalent.</td>
<td>105911</td>
<td>35</td>
</tr>
<tr>
<td>Graduate Certificate of Public Health</td>
<td>1*</td>
<td>E*</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in a relevant discipline, or equivalent.</td>
<td>101811</td>
<td>35</td>
</tr>
<tr>
<td>Graduate Certificate of Rehabilitation Majors: General, Occupational Therapy, Physiotherapy, Speech Pathology</td>
<td>1*</td>
<td>E*</td>
<td>No</td>
<td>Completion of an AQF level 7 bachelor degree in a health-related discipline (general major), or completion of an AQF level 7 Bachelor of Physiotherapy, Occupational Therapy or Speech Pathology.</td>
<td>114811</td>
<td>31</td>
</tr>
<tr>
<td>Graduate Certificate of Research Methods 1. Tropical Health and Medicine</td>
<td>0.5</td>
<td>T, C, E</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in a relevant discipline with a minimum GPA of 5 (credit average) in the final year and a credit (65%) in one advanced research methods subject, or equivalent.</td>
<td>114206</td>
<td>-</td>
</tr>
<tr>
<td>2. Tropical Environments and Societies</td>
<td>1.14206</td>
<td></td>
<td></td>
<td></td>
<td>114106</td>
<td>-</td>
</tr>
<tr>
<td>Graduate Certificate of Science</td>
<td>0.5</td>
<td>T, C**</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in science, or equivalent qualifications with relevant professional experience.</td>
<td>53911</td>
<td>41</td>
</tr>
<tr>
<td>Graduate Certificate of Travel Medicine</td>
<td>1*</td>
<td>E*</td>
<td>Yes</td>
<td>Completion of an AQF level 7 bachelor degree in medical, nursing, or equivalent qualifications with relevant professional experience.</td>
<td>73511</td>
<td>34</td>
</tr>
<tr>
<td>Graduate Certificate of Tropical Animal Science</td>
<td>0.5</td>
<td>T</td>
<td>No</td>
<td>Completion of an AQF level 7 bachelor degree in animal science, or equivalent.</td>
<td>75111</td>
<td>45</td>
</tr>
<tr>
<td>Graduate Certificate of Tropical Veterinary Science</td>
<td>0.5</td>
<td>T</td>
<td>No</td>
<td>Completion of an AQF level 7 bachelor degree in veterinary science, or equivalent,</td>
<td>75211</td>
<td>45</td>
</tr>
</tbody>
</table>
Course icons
These icons represent particular course details. Look for them at the start of course information.

- JCU Cairns
- JCU Townsville
- Study Externally
- Start Semester 1
- Start Semester 2
- Course duration in years
- Professional placements
- Professional accreditation
- Work Integrated Learning
- Field trips
- Clinical placements
The JCU Master of Professional Accounting (MPA) prepares you for a rewarding and respected career where your skills in problem solving, providing business advice, and maintaining financially strong and sustainable business practices are valued. You will graduate with a JCU qualification that is highly-valued by employers in the public and private sectors. You’ll study in a productive research environment with talented academic staff, a number of whom are research leaders in their field. Support is always readily available.

Related qualifications
- Graduate Diploma of Advanced Accounting (1 year full-time, or part-time equivalent)
- Graduate Diploma of Accounting (1 year full-time, or part-time equivalent)
- Graduate Certificate of Accounting (6 months full-time, or part-time equivalent).

Overview
This is a flexible degree, and you can choose full-time studies, or subjects that are offered after hours as well as in block-mode, via intensive weekend workshops. Alternatively, choosing a Graduate Diploma or a Graduate Certificate in Accounting can be used as a fast-track pathway into a shorter MPA. Examples of business and core subjects include:
- Management Accounting
- Corporate Finance
- Auditing and Assurance Services
- Business Law
- Taxation Law
- Law of Business Organisations
- Accounting for Corporations
- Advanced Issues in Accounting
- Data Analysis and Decision Modelling
- Economics for a Sustainable World.

This course is accredited with the CPA Australia and the CA ANZ.
**Master of Conflict Management and Resolution**

Turning conflict into opportunity for people and societies in the Tropics and world-wide. This world-class 1.5 year Master degree develops your ability to analyse, manage and resolve conflict in diverse contexts. It is definitely for you if you manage in a setting where conflict is likely to occur - or if your dream is to build a rewarding career in conflict resolution.

**Related qualification**
- Graduate Certificate of Conflict Management and Resolution (1 year part-time study).

**Overview**
To fit your work and lifestyle commitments, this internationally recognised Master degree can be studied online and on-campus. The course is directly applicable to your professional and personal life. As well as working on real-life case studies and genuine conflicts, you will explore strategies to lead innovative and sustainable change in workplaces.

Your qualification will equip you for leadership roles in health, government, emergency services, education, construction, defence, social work and more. You could use your skills in your own business or in international peace organisations.

**Subjects include:**
- Negotiation
- Workplace Conflict Management
- Facilitative Mediation Practice
- Conflict Coaching.

Ask us about how your Masters studies can lead to accreditation as a Mediator.

---

JCU offers modern rooms and small class sizes so you can get to know your lecturer.
Master of Education

You’ll have the opportunity to learn from highly-experienced and very inspirational educational leaders in the College of Arts, Society and Education. This includes Future Fellows, Australian Laureate and Tropical Leaders with the College and The Cairns Institute, who will give you access to research that’s at the cutting edge of today’s academic and business world.

Overview

The Master of Education provides both teachers and graduates from teaching and non-teaching backgrounds with the opportunity to further their qualifications for professional development. The Master of Education is a postgraduate qualification designed to boost your career prospects and specialise in particular areas of interest. This course will help you enhance your career pathways in schools, higher education, government, business, sustainability or not-for-profit organisations. Please note this course does not lead to teacher registration.

The majors include:
• Leadership and Management – advanced knowledge, understandings, analysis and skills for aspiring and/or existing leaders focusing on leadership, management and organisational change
• Global Contexts – advanced knowledge, understandings, analysis and skills to educate in organisations with international, multicultural or transnational contexts
• Sustainability – advanced knowledge, understandings and skills to communicate and innovate on sustainability education in Australia and internationally
• Research – to provide a professional focus for students engaging in research skills development and understanding evidence as part of professional renewal and up-skilling in line with contemporary practice. And to provide a robust and accepted higher degree by research entry pathway for students planning to move on to doctoral studies.

Note: Not all majors are available in Cairns or externally.

Master of Teaching and Learning (Primary)

Your JCU Masters of Teaching and Learning (Primary) is a respected and portable qualification that will give you an edge when you’re looking for a teaching or community education job anywhere in Australia or overseas. It has been developed in collaboration with the Department of Education and Training, Catholic Education and Independent Schools to prepare work-ready graduates to meet the diverse learning needs of today’s students and communities. This course leads to teacher registration through the Queensland Institute of Teaching and School Leadership (AITSL) in association with the Queensland College of Teachers (QCT).

Overview

This is a flexible course which includes 60 days of placements, plus a 20-day capstone experience that addresses a genuine community or school need. The course can be completed in four phases over 18 months of full-time study. It is offered on campus in Cairns and Townsville, and externally (online with internal options), with two mandatory one-week residential blocks over the duration of the program. Students who study externally can elect to enrol in individual subjects internally.

You’ll experience:
• research-informed, relevant curriculum that prepares you to be a high-quality teacher or educational leader
• special focus on regional and remote, and urban, settings so that you can respond confidently to the diversity of classrooms
• opportunities to specialise in line with your interests, and to equip you to meet schools’ stated need for specialists in numeracy, literacy, science and IT.

Examples of core subjects include:
• Learning for Diverse Learners in Primary School Contexts
• Literacy and Numeracy for Primary Teachers
• Aboriginal and Torres Strait Education in Primary School Settings
• The Arts for Primary Teachers
• Teachers as Leaders for Learning and Change
• Health and Physical Education for Primary Teachers
• Science and Sustainability Education for Primary Teachers
• Culturally and Linguistically Diverse Classrooms and Communities.

Master of Teaching and Learning (Secondary)

JCU offers you the opportunity to enhance your career by achieving a highly-respected Master of Teaching and Learning (Secondary). Your qualification will give you an edge in a competitive educational workplace - and your abilities will be valued if you aspire to work in an Australian, international, Indigenous or rural, regional, remote community.

Overview

This JCU Masters course will equip you to make a difference to the success of students in the government, Catholic and independent secondary school or college at which you are employed. You’ll gain capabilities that will be sought after, especially to address recurrent shortages of secondary teachers - particularly in STEM (Science, Technology, Engineering and Mathematics), English and Languages. With the focus this degree has on the links between professional knowledge, professional practice and professional engagement, you’ll gain:
• qualifications that are valued by school leaders in government, Catholic and independent schools, and that satisfy requirements for teacher registration at state and national levels
• a qualification that is portable internationally
• opportunities to participate in an international or community-based experience as part of your internship
• a total of 80 placement days, with a highlight in the final phase of your studies of a 20-day extended placement - so you’ll be ready to make a difference at your school from day one.

Among the units you will study are:
• Learners and Learning in Secondary School Contexts
• Literacy and Numeracy for Secondary Teachers
• Teaching and Learning in Diverse Secondary School Contexts
• Information Technology across the Curriculum
• Teachers as Leaders for Learning and Change
• Aboriginal and Torres Strait Islander Education
• Collecting, Analysing and Reporting Data: Leading for Learning
• Culturally and Linguistically Diverse Classrooms and Communities.
Master of Engineering (Professional)

Through this robust postgraduate degree you will master basic and advanced engineering subjects, develop professional skills such as risk engineering, asset management, safety in design, business leadership and data analytics. You will gain advanced skills and knowledge highly-valued within the engineering sector as well as gain industry experience required by Engineers Australia.

Related qualifications
• Graduate Diploma of Engineering (1 year full-time, or part-time equivalent)
• Graduate Certificate of Engineering (1 year part-time study).

Overview
Work as a graduate engineer in Australia and abroad. Upon completing the course, you will be accredited by Engineers Australia for Stage 1 competency standards (accreditation in process).

You will be a job-ready graduate with competencies in advanced engineering techniques. You will have the broader skillsets and attributes required to work and succeed as a professional engineer.

Enhance your career with hands-on industry experience through 60 days of professional placement as part of your studies. You will gain a head-start in preparing for Stage 2 competency standards prescribed by Engineers Australia for Professional Engineers. Professional accreditation allows graduates to work as a professional engineer in countries that are signatories of the Washington Accord.

This degree consists of a major of your choice and the following core subjects:
• Risk Engineering and Systems Safety
• Foundation for Data Science
• Advanced Asset Management and Reliability
• Workplace Conflict Management
• Engineering Practice
• Research Projects.

Majors available at Townsville:
• Electrical and Renewable Energy
• Technology and Management
• Water Resource Management.

Major available at Cairns:
• Internet of Things and Data Engineering.

This degree consists of a major of your choice and the following core subjects:
• Risk Engineering and Systems Safety
• Foundation for Data Science
• Advanced Asset Management and Reliability
• Workplace Conflict Management
• Engineering Practice
• Research Projects.
Master of Governance and Leadership

JCU is the only university in Australia, or overseas, to offer a Master of Governance and Leadership as a standalone degree. Designed to give you the opportunity to become a leader in governance from a rural and regional perspective, this unique course teaches you the skills required to shape decisions that apply to tropical settings.

Overview
Through the study of subjects in law, economics, public policy and conflict resolution, your JCU Master of Governance and Leadership course introduces you to the theories required to manage the rapidly changing e-governance environment, which includes collective intelligence and social network technologies. You will gain multidisciplinary knowledge to manage complex, societal issues.

If you are passionate about designing innovative approaches to governance and leadership this course is for you.

The majors include:
• Conflict Management and Resolution
• Economics
• Leadership.
**Master of Guidance and Counselling**

This Masters degree is designed for those who wish to work in guidance and counselling. This can be for those with experience in the human resource sector wishing to work in non-school areas. It can also be for teachers wishing to become school guidance counsellors. The course is accredited by the Australian Counselling Association and the Singapore Association for Counselling, giving graduates the ability to pursue guidance and counselling careers in both countries, as well as internationally.

Admission to the Master of Guidance and Counselling is through a Bachelor degree in Education, Psychology, Social Work, Law, Health, or Career Development.

**Overview**

This JCU course teaches you skills and know-how in guidance and counselling. Four of the eight core subjects are taught in external mode and four require face-to-face attendance. Subject topics include:

- Atypical Development
- Assessment
- Career and Leisure Guidance and Counselling
- Advanced Counselling Theory, Practice and Ethics.

In addition, a practicum subject and accompanying research into reflective practice subject provide you with the opportunity to apply the skills you have learnt under the supervision of an experienced practitioner.
Master of Health Professional Education

JCU’s Master of Health Professional Education is for you if you are a qualified health professional and you’re seeking to develop a career in health professional education or research. This course provides you with the knowledge and competencies to improve clinical teaching in all health professions including medicine, nursing, dentistry and allied health. The course also qualifies you to teach post-registration health professionals who are working towards their professional qualifications, such as GP registrars and hospital residents.

Related qualifications
• Graduate Diploma of Health Professional Education (2 years part-time study)
• Graduate Certificate of Health Professional Education (1 year part-time study).

Overview
By choosing a JCU Master of Health Professional Education, you’ll be studying with a university that is recognised throughout Australia and the Asia-Pacific region as a leader in rural and remote health, tropical medicine and health. You’ll benefit from JCU’s:
• State-of-the-art teaching facilities and medical research laboratory
• Research partnerships with Indigenous Australian communities and international organisations
• Clinical schools in Cairns, Mackay, Atherton and the Northern Territory.

As well as research projects you’ll complete, core subjects and options you’ll explore include:
• Teaching for Learning in the Health Professions
• Strategies for Clinical Teaching
• Assessment and Evaluation in Health Professional Education
• Curriculum Design and Renewal in Health Professional Education
• Leadership in Health Professional Education
• Health Professional Education Using Action Research
• Contemporary Issues in Nurse Education.

Master of Nursing

JCU’s Master of Nursing will empower you to understand and implement research, and embrace leadership or educational practice roles in a hospital environment. You’ll be equipped to step up and drive the change needed to optimise your patients’ health outcomes.

Related qualifications
• Graduate Diploma of Nursing (1.5 years full-time, or part-time equivalent)
• Graduate Certificate of Nursing (1 year part-time study).

Overview
A JCU Master of Nursing offers you the opportunity to study two core subjects: Research Design and a Practice Development Project. You can choose from three major options:
• Clinical Education - this major is ideal for nurses who wish to develop into a nurse educator role within a clinical environment. It will provide students with the contemporary tools to facilitate effective adult learning
• Leadership and Management - this major prepares nurses for leadership roles in clinical settings. This includes leading and managing teams, as well as developing skills in business-related areas such as finance and budgeting
• Advanced Practice – this major is designed for nurses in all clinical settings to advance their health assessment skills and knowledge, develop their understanding of the principles of quality use of medicines in healthcare practice, and enrich their diagnostic and clinical reasoning proficiency.

Master of Rehabilitation

This JCU Master of Rehabilitation is for you if you’re an Occupational Therapist, a Physiotherapist or a Speech Pathologist and you’re ready to up-skill. You can choose a coursework stream, or a research stream that is a pathway towards a PhD.

This course is offered externally (online), with limited attendance on campus for intensive residential weeks which will address healthcare via face-to-face teaching and Work-Integrated Learning within a clinical environment.

Related qualifications
• Graduate Diploma of Rehabilitation (1 year full-time, or part-time equivalent)
• Graduate Certificate of Rehabilitation (1 year part-time study).

Overview
Your JCU Master of Rehabilitation offers you the opportunity to advance your analytical and research skills while enhancing your practical knowledge with hands-on experience. As well as equipping you to work in traditional healthcare settings and private practice, this course gives you the skills required for roles in specialist occupational therapy and rehabilitation centres, consultation services, and in development and research positions.

You’ll also be studying the unique health care needs of rural, remote, regional and Indigenous communities.

To accommodate the needs of specialists in rehabilitation, JCU offers these majors:
• Occupational Therapy, with core subjects of: Advanced Practice within the Rural and Remote Context; Advanced Mental Health Practice; and Cultural Competency Principles in Australian Healthcare Practice
• Physiotherapy, with core subjects of Clinical Expert Updates for Physiotherapists; Advanced Musculoskeletal Practice; and Ergonomics
• Speech Pathology, with core subjects of: Advanced Practice in Adult Speech Pathology; Advanced Practice in Paediatric Speech Pathology; and Advanced Practice in Dysphagia
• General major: allowing you to deliver high-level skills to assist individuals in overcoming illnesses and injuries that impact on clients’ ability to participate in daily life.
Graduate Certificate of Disaster Health and Humanitarian Assistance

This course is for you if you’re a health professional or graduate with an interest in the fields of disaster health management and refugee health delivered in urban, rural and remote environments. JCU’s Graduate Certificate of Disaster Health and Humanitarian Assistance is a flexible 12-month part-time/external course that will provide you with quality training.

Overview
The Graduate Certificate of Disaster Health and Humanitarian Assistance provides the training required to become part of a highly-trained team of health care professionals, who provide coordinated and informed responses to disaster and refugee health issues. You will develop the leadership skills and knowledge required to respond effectively in rapidly changing situations and crisis events. You will be taught by JCU’s expert staff who have extensive field experience, and who will support you throughout your studies.

Core subjects you’ll study are:
• Public Health Leadership and Crisis Management
• Epidemiology for Public Health
• Public Health in Humanitarian Emergencies
• Disaster Health Management.

JCU’s courses in health and medicine provide you with hands-on learning opportunities to give you the work skills you need.
Health and Medicine

MEDICINE AND MEDICAL SCIENCE

Master of Medical Science

If you’re interested in fast-tracking your career in research or science leadership, this JCU Masters degree is an option that is well worth considering. You’ll have opportunities to work on your own work-specific projects, and also to undertake supervised research and be named in papers for publication – all with the support of JCU’s highly-awarded science staff.

Related qualification
• Graduate Diploma of Medical Science
  (1 year full-time, or part-time equivalent)

Overview
This JCU Masters degree will enhance your knowledge and understanding of clinical and laboratory medical science, and hone your analytical reasoning and problem-solving skills, so you can take your place in research and science leadership roles throughout Australia or internationally.

After selecting a major from Clinical Science, Future Leaders in Tropical Health Research or Medical Laboratory Science, you will study at an advanced level:
• Research Planning and Projects in Tropical Health and Medicine
• Epidemiology for Public Health
• Biostatistics for Public Health.

In addition to research projects you will complete, examples of core subjects and options include:
• Foundations of Rural or Remote Medicine
• Communication and Collaboration in Rural and Remote Medicine
• Aboriginal and Torres Strait Islander Health
• Tropical Medicine (Adult Internal Medicine)
• Disaster Health Management (Adult Internal Medicine)
• Paediatric and Neonatal Retrievals (Emergency Medicine, Paediatrics)
• Diving and Marine Medicine (Emergency Medicine)
• Substance Misuse Prevention (Mental Health)
• Health and Rehabilitation (Mental Health)
• Tropical Public Health (Population Health)
• Child and Family Therapy (Mental Health)
• Managing Effective Health Programs (Population Health)
• Refugee Health (Population Health).

Master of Rural and Remote Medicine

This JCU Master of Rural and Remote Medicine is for you if you’re a medical practitioner, particularly if you’re based in a rural or remote community, and would like a pathway to advance your academic and clinical expertise. For junior doctors, this course provides you with an opportunity to learn about practising and living in rural and remote contexts and may be combined with Fellowship training.

Related qualification
• Graduate Diploma of Rural and Remote Medicine
  (1 year full-time, or part-time equivalent).

Overview
Rural and remote communities in northern Australia and the Tropics face unique health issues. JCU offers particular expertise in equipping health professionals with the capabilities to practice in rural and remote contexts, and also to develop their expertise. This JCU Master of Rural and Remote Medicine offers you eight core subjects, and the choice of a wide variety of elective subjects that are grouped according to your area of interest - population health, paediatrics, emergency medicine, mental health or adult internal medicine. You can choose to study full-time or part-time, externally and via limited attendance in Townsville.

In addition to research projects you will complete, examples of core subjects and options include:
• Foundations of Rural or Remote Medicine
• Communication and Collaboration in Rural and Remote Medicine
• Aboriginal and Torres Strait Islander Health
• Tropical Medicine (Adult Internal Medicine)
• Disaster Health Management (Adult Internal Medicine)
• Paediatric and Neonatal Retrievals (Emergency Medicine, Paediatrics)
• Diving and Marine Medicine (Emergency Medicine)
• Substance Misuse Prevention (Mental Health)
• Health and Rehabilitation (Mental Health)
• Tropical Public Health (Population Health)
• Child and Family Therapy (Mental Health)
• Managing Effective Health Programs (Population Health)
• Refugee Health (Population Health).

Graduate Diploma of Biomedical Sciences

JCU’s Graduate Diploma of Biomedical Sciences is designed for graduates of science, biomedical science, veterinary science or related disciplines who want to specialise or upskill for a career in biomedical research or in preparation for entry into a professional degree program such as Medical Laboratory Science or the Clinical Sciences.

JCU’s biomedicine program is sufficiently innovative and multidisciplinary to provide students an employment edge in becoming biomedical scientists.

Related qualification
• Graduate Certificate of Biomedical Sciences
  (6 months full-time, or part-time equivalent).

Overview
Biomedical Sciences underpin human and veterinary medicine clinical practice. The field examines how the body and diseases work and investigates ways to restore health. Biomedical scientists have an understanding of medical biochemistry, microbiology, immunology, pharmacology, cell and molecular biology, anatomy, physiology, infectious diseases and neuroscience.

This course is for graduates of science, biomedical science, veterinary science or related disciplines who want to specialise in microbiology and immunology, physiology and pharmacology, molecular cell biology or medicinal chemistry and pharmacology. You’ll study in laboratories where modern equipment mimics the technologies you’ll find in the real world - and you’ll learn techniques and skills that are valued by today’s employers. You will have the option to major in your study interests giving you a high degree of flexibility and career choice.

• Purpose-built PC2 and PC3 microbiological and research laboratories
• Anatomy and biomedical science teaching and research laboratories, including housing for small, large and aquatic animals.
Examples of core subjects and options include:

- Advanced Genes, Genomes & Development
- Advanced Bioengineering
- Advanced Clinical Microbiology
- Mechanisms of Infectious Diseases
- Advanced and Integrated Physiology
- General Pathobiology
- Advanced Molecular Basis of Disease
- Advanced Laboratory Practice in Molecular and Cell Biology
- Clinical Epidemiology
- Advanced Marine Microbiology
- Advanced Aquatic Pathobiology
- Advanced Immunology
- Molecular Analysis and Epidemiology
- Literature Review
- Special Topics in Physiology
- Special Topics in Pharmacology
- Contemporary Research in Physiology
- Systemic Pathophysiology and Therapeutics.

**Graduate Diploma of Medical Science**

Studying a Graduate Diploma of Medical Science at JCU equips you with advanced multidisciplinary scientific training that enables you to provide guidance and leadership, or develop policy in a variety of high demand rural and regional work environments. You’ll gain the scientific understanding of how disease and treatment works that when put into practice, make a huge difference to the health and wellbeing of individuals, or even have a global impact on the diagnosis, treatment and prevention of a disease.

**Overview**

This JCU Graduate Diploma of Medical Science is for you if:

- you’re a scientific health professional and you want to up-skill so you can pursue higher level research or a senior leadership role, or
- you’re a graduate with a Bachelor of Biomedical Sciences (or similar, subject to approval) and you’re seeking advanced training in one of the two majors attached to this Graduate Diploma - Clinical Sciences, or Medical Laboratory Science.

You’ll develop particular strengths that will open up opportunities for you to work as a Clinical or Medical Scientist in Australian or international public and private laboratories, including in rural and remote Aboriginal and Torres Strait Islander and other tropical communities, where there is very high demand for professionals. The curriculum is created and delivered by allied health industry experts and is presented in JCU’s custom laboratories.

It includes up to 40 weeks of clinical rotations in professional medical or clinical science laboratories. Professional placements are available in the Townsville Hospital Clinical Measurements Laboratories - Cardiac Investigations Unit and Respiratory and Sleep Units. You have a choice of two majors:

- Medical Laboratory Science, which equips you with advanced technical skills in scientific analysis and knowledge in the areas of clinical microbiology, haematology, transfusion science, clinical biochemistry, histopathology, immunology, serology or laboratory management. Your roles may involve determining what is wrong and what needs to happen to make a patient well, and you may be asked to help a doctor determine whether a certain treatment is working.

- Clinical Sciences, which equips you to work with patients in clinical laboratories, in roles as a Cardiac Scientist, Respiratory Scientist, Sleep Scientist or Neuroscientist or in a multidisciplinary scientist position. Clinical Sciences careers include roles providing support to specialist doctors in Cardiac, Respiratory and Emergency units.
Graduate Diploma of Rural Generalist Practice

JCU Graduate Diploma of Rural Generalist Practice graduates will be able to demonstrate advanced rural and remote generalist knowledge and skills in healthcare services delivery.

The course allows you to choose from the following options: Diabetes education, dietetics, occupational therapy, pharmacy, physiotherapy and podiatry.

The core subjects you’ll explore are:
• Principles of Education for the Health Professional
• Advanced Practice with the Rural and Remote Context
• Research Methods in Health
• Business and Finance for the Health Manager
• Rehabilitation Research and Evidence Based Practice
• Biostatistics for Public Health
• Managing Effective Health Programs.

Graduate Diploma of Tropical Medicine and Hygiene

JCU’s Graduate Diploma of Tropical Medicine and Hygiene is designed to enable medical practitioners to undertake advanced studies in the health and medical issues facing tropical Australia, the western Pacific and Southeast Asia.

Overview
The Graduate Diploma of Tropical Medicine and Hygiene provides doctors and nurses an opportunity to develop knowledge and skills in the disciplines of tropical medicine and hygiene with a focus in epidemiology, pathogenesis, clinical presentation, complications, differential diagnosis, and investigation and management of tropical diseases. Focus will also be on devising appropriate strategies to detect, prevent, and control communicable and non-communicable diseases, ensuring safe and healthy environments for tropical, rural, remote and Indigenous communities. You can choose from options which include:
• Communicable Disease Control
• Aboriginal and Torres Strait Islander Health
• Travel Medicine
• Public Health Management
• Disaster Health Management
• Global Health and Development.

Graduate Certificate of Aeromedical Retrieval

This JCU Graduate Certificate is designed for you if you’re a doctor, nurse or paramedic involved in the emergency transport of patients by fixed-wing aircraft and helicopters, in Australian and international situations. Some of the core subjects and options you’ll explore are:
• Essential Skills in Aeromedical Retrievals
• Adult Secondary Retrievals or Paediatric and Neonatal Retrievals
• Foundations of Aeromedical Retrieval.

Graduate Certificate of Travel Medicine

JCU’s Graduate Certificate of Travel Medicine is designed for medical practitioners who wish to diversify into the specialist areas of tropical health, public health and human parasitology.

Overview
The Graduate Certificate of Travel Medicine provides doctors the benefits of studying within the university’s highly-regarded College of Public Health, Medical and Veterinary Sciences. You can select from a range of optional subjects that complement your area of interest, for example global health and development, travel medicine, or infectious diseases. The course is offered by distance education and limited attendance on campus is required.
Overview

Studying JCU’s Master of Pharmaceutical Public Health is very different from studying clinical pharmacy. It focuses on the medicines management of individual patients, and provides you with a range of public health leadership and research skills. These skills will help you to develop pharmaceutical services that meet the needs of a whole population, and also meet the stated national and international health goals of both national governments and pharmacy professional bodies. The course will also help you manage other pharmacists working in these roles. You’ll learn to discover innovative solutions to key health issues. As well as a major project, core subjects and subject options include:

- Management of Pharmaceutical Services
- Pharmaceutical Public Health Priorities
- Pharmaceutical Public Health – Management of Chronic Diseases
- Pharmaceutical Public Health – Research Methodologies
- Pharmaceutical Regulation and Quality
- Pharmacovigilance.

Related qualifications

- Graduate Certificate of Pharmaceutical Public Health (1 year part-time study).

Professional placements

This innovative JCU course is for you if you already have pharmaceutical qualifications, and you would like to broaden your skills to include developing pharmacy services to enhance the health and wellbeing of a whole population - as distinct from delivering service patient-by-patient.

Related qualification

- Joint Master of Public Health-Master of Business Administration (MBA)
- Graduate Certificate of Public Health (1 year part-time study).

Overview

The JCU Master of Public Health degree provides students with a solid foundation in the knowledge and skills required to effectively deliver programs that promote health, prevent disease, and protect the health of the population. This can be applied to the needs of people living in rural and remote communities within Australia, and the broader global context.

Choose from three majors:

- Disaster Health and Humanitarian Assistance
- Health Economics
- One Health.

Core subjects and options include:

- Tropical Public Health
- Public Health Management
- Public Health Leadership and Crisis Management
- Environmental Health
- Communicable Disease Control
- Epidemiology for Public Health
- Biostatistics for Public Health
- Aboriginal and Torres Strait Islander Health
- Public Health Economics
- Public Health and the Workplace
- Reproductive Health in Developing Countries
- Disaster Health Management
- Substance Misuse Prevention.

Master of Public Health

If you have a professional interest in both tropical and public health, this JCU Master of Public Health and Tropical Medicine is for you. It is the only award of its kind in Australia. The course is designed for health professionals who want to specialise in public health issues relevant to tropical Australia and its neighbours, including Aboriginal and Torres Strait Islander health.

Related qualification

- Graduate Diploma of Public Health and Tropical Medicine (1 year full-time, or part-time equivalent).

Overview

Choosing to study JCU’s unique Master of Public Health and Tropical Medicine will provide students with a solid foundation in the knowledge and skills required to effectively deliver programs that promote health, prevent disease, and protect the health of people living in tropical locations. As well as a project, dissertations and a public health placement, core subjects and subject options include:

- Tropical Medicine
- Tropical Public Health
- Public Health Management
- Public Health Leadership and Crisis Management
- Environmental Health
- Communicable Disease Control
- Epidemiology for Public Health
- Biostatistics for Public Health
- Aboriginal and Torres Strait Islander Health
- Tropical Paediatrics
- Public Health Economics
- Managing Effective Health Programs
- Global Health and Development.
Master of Information Technology

JCU’s Master of Information Technology (IT) provides you with the highest-quality technical and leadership skills today’s employers of IT people worldwide demand. You’ll study in a challenging and inspiring environment, with subjects on track with current industry trends. This is a dynamic and innovative Masters degree that gives you a world-class learning experience, which includes substantial practical, skills-based learning you can implement immediately.

Related qualification
• Graduate Certificate of Information Technology (6 months full-time, or part-time equivalent).

Overview
JCU’s Master of IT is taught by expert staff who share their advanced skills and up-to-date knowledge of the rapid developments in technology. You’ll use state-of-the-art facilities and work in small class sizes. There will be opportunities to gain genuine workplace experience. This degree is available in Cairns, Townsville, Brisbane and Singapore.

The Master of IT offers a major in Computing and Networking.
Core subjects include:
• Project 1: Analysis and Design
• Project 2: Implementation and Commissioning
• Web Design and Development
• e-Strategic Management
• Problem Solving and Programming 1
• Advanced E-Security.

“You can directly use the knowledge and skills learned at university in a real work environment.”
QIANG FU
Master of Information Technology
MBA
Master of Business Administration

JCU’s Master of Business Administration (MBA) offers you flexible study options and highly-regarded links to industry and government agencies. This MBA equips you to be part of the next generation of emerging managers and will develop the way you approach the management of people, organisations and change. With an emphasis on modern governance and sustainable business and leadership practices, this JCU course offers specialisations/majors in Creativity and Innovation, and Conflict Management and Resolution.

Related qualification
• Graduate Certificate of Business Administration (6 months full-time study).

Overview
JCU’s internationally recognised MBA is designed to be highly flexible. You can choose the content of your degree and tailor it to your professional needs and career pathway. You will be taught by experts who are leaders in their fields, and with every subject you’ll benefit from real-world experience and JCU’s extensive industry linkages.

Study areas include:
• Marketing Management
• People in Organisations
• International Political Economy
• Economics for a Sustainable World
• Corporate Responsibility and Governance
• The Changing Business Environment
• Managing Strategic Resources and Operations
• Innovation and Entrepreneurship.

Joint degree options
Joint degrees give you expertise in a complementary discipline in reduced time and can enhance your career prospects. Your JCU Master of Business Administration can be combined as a joint degree in:
• Master of Business Administration–Master of Conflict Management and Resolution
• Master of Information Technology–Master of Business Administration
• Master of International Tourism and Hospitality Management–Master of Business Administration
• Master of Professional Accounting–Master of Business Administration
• Master of Public Health–Master of Business Administration.

Master of Business Administration (Leadership)

If you’re ready to take the next steps in your career at your current workplace, or in an entirely new role with another organisation, this JCU MBA (Leadership) will increase your opportunities to move into senior management or leadership positions. Your MBA (Leadership) will be recognised and valued by employers in Australian and international corporations, government departments at all levels, educational environments, or non-government and not-for-profit organisations.

Overview
This JCU Masters degree equips you with the thinking skills and knowledge that mindful global leaders of today must possess. With its focus on the way you approach the management of people and change within and outside organisations, this is an MBA that equips you to be part of the next generation of global and social leaders. You’ll gain real-world experience and establish networks within relevant organisations via JCU’s Work Integrated Learning program - and as a result of your Practical and Research Project.

Among the study areas you’ll explore are:
• People in Organisations
• The Changing Business Environment
• Organisational Leadership
• Cross Cultural Leadership
• International Political Economy
• Corporate Responsibility and Governance
• Sustainable Enterprise.
Master of Business Administration Global

JCU’s online MBA Global offers an exciting alternative to traditional university programs. This course is designed to help you manage uncertainty and leverage new opportunities, so you can keep pace with an ever-changing world.

Guided by a global perspective, the coursework considers broader economic and operational systems, underpinned by a solid foundation in data and analysis. The MBA Global is designed from the ground up for leaders who want to thrive in contemporary business environments.

Related qualifications
- Graduate Diploma of Business Administration Global (16 months part-time study)
- Graduate Certificate of Business Administration Global (8 months part-time study).

Overview
Over the course of 12 subjects, you’ll gain the skills to make impactful strategic decisions in global business contexts.
You’ll be able to solve complex problems through advanced data analysis. You’ll also develop the knowledge to become a competent leader, who drives sustainable growth and creates positive outcomes for your organisation and the world around you.
The Master of Business Administration Global includes what are referred to as ‘nested qualifications’. The 12-subject Masters degree is made up of the Graduate Certificate and Graduate Diploma qualifications.
Should you need to exit the course early, you could earn either a Graduate Certificate or Graduate Diploma qualification if the prerequisite subjects for each of these degrees have been met.
Our subjects are designed to improve your knowledge across three key areas:
- Global Perspective & Strategy
- Data-driven Decision Making
- Organisational Leadership & Management.

Master of Business Administration–Master of Conflict Management and Resolution

JCU’s joint Master of Business Administration–Master of Conflict Management and Resolution develops your ability to analyse, manage and resolve conflict in diverse contexts. This is a dynamic and innovative dual Masters degree that gives you a world-class learning experience with substantial practical, skills-based learning you can implement immediately. You’ll study with JCU’s experienced and highly-awarded staff.

Overview
To fit your work and lifestyle commitments, JCU’s internationally recognised joint MBA/MCMR is designed to be highly flexible in content, online/on-campus studies, and duration. You will be taught by experts who are leaders in their fields, and you may gain practical experience with a local or international organisation through JCU’s extensive industry linkages. Study areas specific to your Master of Conflict Management and Resolution include:
- Mediation
- Negotiation
- Conflict Coaching
- Workplace Conflict Management
- Cross-cultural Conflict Resolution
- Conflict Analysis
- Conflict Resolution Processes
- Facilitation.

Master of Information Technology–Master of Business Administration

JCU’s joint Master of Information Technology-Master of Business Administration is highly-valued by employers and students. It combines learning core IT and business skills with management, leadership and innovation studies. You’ll study in a challenging and inspiring environment, with subjects on track with current industry trends. This is a dynamic and innovative joint Masters degree that gives you a world-class learning experience that includes substantial practical, skills-based learning you can implement immediately.

Related qualification
- Graduate Certificate of Information Technology (6 months full-time, or part-time equivalent).

Overview
This highly-regarded JCU joint MIT-MBA course is taught by expert staff who share their advanced skills and up-to-date knowledge of the rapid developments in technology. You’ll use state-of-the-art facilities and work in small class sizes. The degree is available in Cairns, Townsville, Brisbane and Singapore and can be studied full-time or part-time. Core subjects include:
- Project 1: Analysis and Design
- Project 2: Implementation and Commissioning
- Enterprise Database Systems - Oracle
- E-Business Technologies
- Business Intelligence and Data Mining
- Economics for a Sustainable World
- The Changing Business Environment
- Managing Strategic Resources and Operations
- Leading and Managing Organisational Change
- Strategic and Responsible Innovation Management
- Marketing, Customer Engagement, Social Media and Marketing
- Corporate Responsibility and Governance.
Master of Professional Accounting–Master of Business Administration

Your JCU joint Master of Professional Accounting–Master of Business Administration (MPA-MBA) prepares you for a career as a professional accountant and senior manager. You’ll gain a JCU qualification that is highly-valued by employers in the public and private sectors throughout Australia and internationally.

Related qualifications
• Graduate Diploma of Accounting (1 year full-time, or part-time equivalent)
• Graduate Certificate of Accounting (6 months full-time, or part-time equivalent).

Overview
This is a flexible joint degree, and you can choose two years of full-time study, or subjects that are offered after hours as well as in block-mode, via intensive weekend workshops. Examples of core subjects include:
• Management Accounting
• Corporate Finance
• Introduction to Accounting
• Auditing and Assurance Services
• Business Law
• Taxation Law
• Accounting for Corporations
• Data Analysis and Decision Modelling
• Law of Business Organisations
• Economics for a Sustainable World
• Managing Strategic Resources and Operations
• Leading and Managing Organisational Change
• The Changing Business Environment
• Practical or Research Project.
This course is accredited with the CPA Australia and the CA ANZ.

Master of Public Health–Master of Business Administration

JCU’s joint Master of Public Health–Master of Business Administration (MPH-MBA) is designed to enhance your skills and career prospects. The course is highly flexible. You can tailor your subject choices to meet your professional needs and desired career pathway and you can study on-campus or online.

Overview
The Master of Public Health–Master of Business Administration provides you with leadership and management training, combined with a range of public health expertise and skills, according to your desired career pathway. You will gain particular knowledge and skills in tropical public health management. Core subjects include:
• The Changing Business Environment
• Economics for a Sustainable World
• Managing Strategic Resources and Operations
• Corporate Responsibility and Governance
• Marketing and Customer Engagement
• Innovation and Entrepreneurship
• Leading and Managing Organisational Change
• Applied Research Project
• Tropical Public Health
• Public Health Management
• Public Health Leadership and Crisis Management
• Epidemiology for Public Health
• Biostatistics for Public Health
• Public Health Economics
• Environmental Health
• Communicable Disease Control.
Electives include:
• Disaster Health Management
• Expedition and Wilderness Medicine
• Aboriginal and Torres Strait Islander Health
• Global Health and Development
• Diving and Marine Medicine.
Master of Planning and Urban Design

This Masters degree offers you opportunities not available at other universities. The Centre for Tropical Urban and Regional Planning brings together creative planning professionals who share their extensive international planning and urban design experience, including regional planning challenges in Northern Australia and in Indigenous communities. The course is suitable for international and Australian students of planning, arts, social sciences, engineering or science.

Overview
The JCU Master of Planning and Urban Design is structured into core subjects, for which entrants may seek advanced standing, and four specialist majors, of which you select two.

Sustainable Tropical Urbanism
Comprising studies in Urban Design Studio, Field Studies in Tropical Geography, Design Communication, and Urban Ecology

Indigenous Planning
With subjects in Native Title, Planning for Sustainable Communities, Indigenous Environmental Management, and Cultural Heritage

Disaster Resilience
Comprising subjects in Disaster Management Principles, Disasters, Communities and Planning, Leadership in Disaster Management, and Natural Hazards

Development Planning
With studies in Contemporary Issues in Development Practice, Tropical Landscapes and Livelihoods, Sustainability in Practice, and Asia Pacific Development.

The final module of the degree consists of placement in the planning workforce, and a minor project or research thesis. The degree will lead to career options where you can really make a difference in the world. When you graduate, you’ll be able to offer special knowledge and skills in tropical planning and policy development. You could even use the communication and political negotiation knowledge you’ll gain to establish a career in politics. And for those wishing to contemplate planning issues in applied or scholarly research, there are opportunities to continue into research degrees.

Master of Global Development

This degree creates interdisciplinary leaders with the skills and expertise to operate in an increasingly multipolar global development area. Your broad grounding in global development will open doors to employment with national and international non-government organisations, government departments and local councils, private sector operators working in international development, multilateral organisations and global governance institutions.

Related qualifications
• Graduate Diploma in Global Development (1 year full-time, or part-time equivalent)
• Graduate Certificate in Global Development (6 months full-time, or part-time equivalent)

Overview
The JCU Master of Global Development is structured into six core subjects, plus a choice of three options - a research project and dissertation; a professional workplace placement; or a choice from a list of electives.

Electives are:
• Disaster Resilience and Natural Resource Management
• Public Health
• Sustainable Development Planning and Policy
• Indigenous Futures
• Governance and Social Change
• Leadership and Management for Development
• The Development Researcher.

On successful completion of the Master of Global Development, you will be able to integrate and apply a body of theoretical and technical knowledge in international development policy and practice, and generate solutions to complex social and environmental problems. You will also be able to plan and conduct ethical evidence-based field studies and large-scale research projects.
Master of Data Science

Our Master of Data Science puts professionals who recognise the power of data ahead of the pack. Fully online, this is an innovative and technologically dynamic postgraduate course.

Related qualifications
• Graduate Certificate of Data Science (8 months part-time study)
• Graduate Diploma of Data Science (16 months part-time study).

Overview
You can learn a balanced work and family life as you study this flexible course. Subjects can be undertaken across any of the six study periods throughout the year. With up to six subjects on offer a year, you can even choose to sit out a study period to suit your personal and professional circumstances.

There are also Graduate Certificate and Graduate Diploma programs nested within this Masters degree.

JCU’s interdisciplinary approach to this Masters degree means you’ll acquire information technology, mathematics, and business knowledge and skills. You’ll study with experts in data science, research, academia and business. This is a Masters degree that delivers practical as well as academic skills, and it will help you progress your career.

Among the subject options available to you are:
• Data and Information: Management, Security, Privacy, and Ethics
• Big Data: Management and Processing
• Data Science and Strategic Decision Making
• Data Mining and Machine Learning
• Data Science Master Class 1
• Data Science Master Class 2
• Your own Data Science Project.

Master of Science (Professional)

The advanced knowledge and practical experience you will gain while studying with JCU’s internationally recognised experts, make this course exceptional.

Gain advanced knowledge that equips you to work in science leadership roles in public or private organisations throughout the world. Be challenged to develop innovative problem-solving skills. Get career satisfaction from addressing some of the world’s most important environmental issues. Diversify your knowledge by working in the unique, World Heritage-listed environments of North Queensland: coral reefs, seagrass beds, mangroves, dry savannahs and tropical rainforests.

Related qualifications
• Master of Science
• Graduate Diploma of Science (1 year full-time, or part-time equivalent)
• Graduate Certificate of Science (6 months full-time, or part-time equivalent).

Overview
Gain the qualifications you need to work in public or private organisations concerned with the management and use of environmental resources, in non-government organisations specialising in international aid and development, in roles addressing environmental planning and educational issues, or as a science communication expert.

Training in research, advanced data analysis and scientific communication are key parts of this Masters degree. You will learn advanced skills to apply to research projects or professional placement - or you could choose to conduct a major research project which could lead you into post doctorate studies. You will work with your own specialist course advisor and mentor who will help you meet your professional goals. A professional placement of up to 12 credit points is available.

Majors:
• Aquaculture Science and Technology
• Environmental Earth Science
• Environmental Management
• Fisheries Science and Management
• Geology
• Marine Biology
• Tropical Biology and Conservation.

Note: Not all majors are available in Cairns.

Master of Science

JCU’s prestigious Master of Science is an interdisciplinary, coursework degree with worldwide recognition, state-of-the-art facilities and easy access to coral reefs, dry savannahs, tropical rainforests and diverse coastal environments make studying Science at JCU unique.

Related qualifications
• Graduate Diploma of Science (1 year full-time, or part-time equivalent)
• Graduate Certificate of Science (6 months full-time, or part-time equivalent).

Overview
Studying a highly-respected JCU Master of Science gives you the opportunity to choose from a comprehensive range of major disciplines:
• Aquaculture Science and Technology
• Environmental Earth Science
• Environmental Management
• Fisheries Science and Management
• Geology
• Marine Biology
• Tropical Biology and Conservation.

In all these specialties/majors, you’ll gain sound theoretical knowledge and benefit from unique practical learning that results from JCU’s tropical location. No matter which major you choose, you’ll be trained in advanced data analysis and scientific communication skills. Importantly, postgraduate level research skills are embedded in all our subjects, and you’ll have options for independent research projects and industry placements (an elective three credit point placement is available). Working with your own specialist course advisor and mentor to meet your own professional goals and study requirements provides you with the support you need to succeed in your studies.

Note: All Science Majors are available in both the 1.5 year (Master of Science) and 2 year (Master of Science (Professional)) programs. Not all majors are available in Cairns.
Master of Science, majoring in Aquaculture Science and Technology

JCU’s Master of Science, majoring in Aquaculture Science and Technology offers you the knowledge and skills you need to forge a career in the fast-growing Australian and international aquaculture industry, as well as plenty of interesting hands-on aquaculture practices and field work. There’s no other university that can offer you the benefits of easy access to JCU’s Aquarium Complex, and our Orpheus Island Research Station in the Great Barrier Reef Marine Park.

Related qualifications
• Graduate Diploma of Science (1 year full-time, or part-time equivalent)
• Graduate Certificate of Science (6 months full-time, or part-time equivalent).

Overview
This JCU course enables you to learn to be an expert in marine and freshwater farming, hatchery and recirculating aquaculture system operation and management, as well as research into a wide range of farmed aquatic species. Research study streams include nutrition and diet, reproduction, larval development and culture, growth regulation, and husbandry for fish, crustaceans and molluscs. You could work in the private (e.g. aquaculture farms, feed companies and public aquaria) or public sectors, or in non-government organisations, such as WorldFish and Nature Conservation Agency. Australian federal and state government institutions, such as various aquaculture and fisheries research centres/institutes of Australian state governments, the Australian Institute of Marine Science (AIMS), Great Barrier Reef Marine Park Authority (GBRMPA) and Commonwealth Science and Industry Research Organisation (CSIRO) all employ people with the skills you’ll learn in this course. JCU’s strong links with peak industry bodies ensure that our teaching and research is aligned with current industry best practice. You can focus your study program to meet your own needs. Core subjects, and options you can choose include:
• Aquaculture: Principles and Practices
• Quantitative Methods in Science
• Aquaculture: Hatchery Techniques (hands-on, project based subject)
• Aquaculture: Feeds and Nutrition; Propagation; Stock Improvement
• Sustainable Aquaculture.

Master of Science, majoring in Environmental Earth Science

JCU’s Master of Science, majoring in Environmental Earth Science, explores ways to minimise the impacts of humans on the natural environment. You’ll learn how to manage the earth’s sediment, soil, oceans, freshwater supplies and atmosphere. A rewarding and well-paid career in Australia or overseas awaits graduates of this internationally-recognised course.

Related qualifications
• Graduate Diploma of Science (1 year full-time, or part-time equivalent)
• Graduate Certificate of Science (6 months full-time, or part-time equivalent).

Overview
With its campuses within easy reach of rugged rainforest-covered mountains, fertile agricultural regions, sparsely grazed vast savannah plains, huge rivers and diverse coastlines, JCU is your best choice to major in Environmental Earth Sciences. You’ll study with internationally-acclaimed researchers and lecturers and, through field trips, projects and academic studies, learn skills like environmental impact assessment, contaminated land assessment, environmental auditing and risk assessment, waste planning and management, and soil, climate, and water science. This JCU degree prepares you for jobs such as an environmental scientist with a consultancy firm, large engineering company, multi-national mining corporation or specialised environmental business, or a natural resources role in a state or federal government agency. Among your core subject and option choices are:
• Hydrology
• Soil Properties and Processes
• Earth and Environmental Geochemistry
• From Icehouse to Greenhouse
• Earth and Environmental Geochemistry
• Field Studies in Tropical Land and Water Science.
Master of Science, majoring in Environmental Management

By choosing Environmental Management you’ll learn the bio-physical and social dimensions of environmental resource management, and you can specialise in management of protected areas, terrestrial, or marine and coastal resources. Practical field trips to explore North Queensland’s amazing and varied environment, opportunities for research in the Tropics, options to complete subjects at exciting partner institutions, along with Work Integrated Learning, ensure you’re ready to hit the ground running when you graduate.

Related qualifications
- Graduate Diploma of Science (1 year full-time, or part-time equivalent)
- Graduate Certificate of Science (6 months full-time, or part-time equivalent)

Overview
You’ll benefit from achieving your Masters of Science in Environmental Management from JCU, as the university has earned an international reputation for its research in tropical environmental science and management. Studying with our acclaimed researchers and lecturers, you’ll learn:
- How to tackle the environmental needs of the Tropics, and
- Innovative environmental management practices that address ecological, social, economic and political priorities.

Your advanced training will equip you for a management position in government, industry, scientific or non-government organisations, or to continue into a higher research degree. Areas of study you will explore include:
- Analysis of Spatial and Quantitative Data
- Communication and Stakeholder Engagement
- Impact Assessment
- Environmental Policy Development and Reporting Frameworks
- Environmental Economics
- Conservation biology
- Natural resource management.

Master of Science, majoring in Fisheries Science and Management

Choosing to study JCU’s Master of Science, majoring in Fisheries Biology and Management, provides you with academic knowledge and practical skills in tropical, shallow water marine systems. You’ll have unparalleled opportunities only JCU can offer: studying near the Great Barrier Reef Marine Park, where you can investigate whole organism biology and gain first-hand experience of ecosystem management practices.

Related qualifications
- Graduate Diploma of Science (1 year full-time, or part-time equivalent)
- Graduate Certificate of Science (6 months full-time, or part-time equivalent)

Overview
This JCU course offers you the opportunity to study at a university that’s renowned around the world for its work in the science and management of tropical marine ecosystems. While you build a core understanding of fisheries science and the lifecycle of exploited organisms, you’ll learn scientific methods of assessing marine resources and the best ways to achieve sustainable management. Opportunities for work placements and research projects enable you to make the most of JCU’s partnerships with the world’s leading operators in tropical fisheries science and marine resource management.

In addition to access to JCU’s boating and diving facilities, and opportunities to work on the James Kirby research vessel, you’ll benefit from access to:
- Orpheus Island Research Station
- JCU’s extensive marine and aquaculture research facilities, and
- JCU’s partnerships with industry operations in North Queensland, Vietnam and Thailand.

You’ll be able to devise a study program that fits your professional goals, which may include an approved research component. Among core subjects and options are:
- Fisheries Science
- Human Dimensions of Nature, Environment and Conservation
- Managing Tropical Fisheries
- Environmental and Social Impact Assessment
- Modelling Ecological Dynamics
- Design and Analyses in Ecological Studies
- Advanced Marine Geoscience Technologies and Applications.

Our courses take advantage of the variety of natural tropical environments surrounding JCU.
Master of Science, majoring in Marine Biology

JCU is an unparalleled education and research institution for marine biology in the Tropics. You’ll benefit from JCU’s unique location and undertake field work on the Great Barrier Reef. As well as having direct access to a host of prestigious JCU research institutions, you’ll gain first-hand experience of marine research using the University's island research station and vessels, and extensive aquarium research facilities.

Related qualifications
- Graduate Diploma of Science (1 year full-time, or part-time equivalent)
- Graduate Certificate of Science (6 months full-time, or part-time equivalent).

Overview
JCU’s Master of Science, majoring in marine biology and ecology, enables you to develop the professional skills required to address the critical challenges facing marine and coastal ecosystems today. It’s the right choice for you if you’re planning a career as a research scientist, educator, environmental manager, consultant, biologist, ecologist, conservation agent or science communicator - or even as a field or laboratory technician with a marine emphasis. You will research and work in the field as you learn strategies to tackle issues such as:
  - Climate change, ecosystem resilience and adaptation
  - Ecosystem restoration
  - Environmental and ecological sustainability
  - Biodiversity and conservation challenges for marine organisms and ecosystems
  - Sustainable marine resource management
  - Sustainable livelihoods for coastal and island-based societies.

This course integrates the latest research from our prestigious research groups in the ARC Centre of Excellence for Coral Reef Science, the Centre for Tropical Water and Aquatic Ecosystem Research (TropWATER), and the Centre for Sustainable Tropical Fisheries and Aquaculture. You’ll actively engage with JCU’s research programs and our global research leaders, allowing you to build valuable networks. The course includes intensive and semester-long subjects. Advanced research skills are embedded in all our subjects, and we include options for independent research projects and/or vocational placements with JCU’s research, management and industry partners.

Master of Science, majoring in Tropical Biology and Conservation

JCU’s Master of Science, majoring in Tropical Biology and Conservation, enables you to explore all aspects of theoretical and applied biology and ecology in tropical, terrestrial environments. Your studies take full advantage of the wide variety of natural tropical environments surrounding JCU - and you can structure your course to specialise in the ecology of rainforests, savannah, tropical freshwater systems, tropical wildlife or tropical insects.

Related qualifications
- Graduate Diploma of Science (1 year full-time, or part-time equivalent)
- Graduate Certificate of Science (6 months full-time, or part-time equivalent).

Overview
This degree is led by JCU’s global leaders in environmental and ecological research. You’ll learn how to identify, investigate and conserve terrestrial species and ecosystems, with a focus on whole organism biology, ecology, and evolution of terrestrial environments. You’ll study advanced data handling in a biological and ecological context, theoretical and practical scientific skills in field and laboratory situations, and you’ll develop strong interdisciplinary communication skills.

You’ll also benefit from real-world experience in a variety of JCU or partner-operated research facilities such as the Tropical Sustainable Futures Complex (Cairns), the Daintree Rainforest Observatory, Danum Valley Field Centre (Malaysian Borneo), and the Wambiana Cattle Station in outback northern Queensland. Among core subjects and optional topics are:
  - Conservation Biology
  - Behavioural Ecology
  - Biological Invasions
  - Population and Community Ecology
  - Ecological Research Methods
  - Wildlife Ecology and Management
  - Tropical Entomology
  - Sampling and Experimental Design
  - Design and Analysis in Ecological Studies.

Note: Not all majors are available in Cairns.
Master of Social Science

JCU’s Master of Social Science will equip you with the knowledge and skills you’ll require to build an Australian or international career in applied research, planning, policy, community development and consultancy.

Related qualification
Graduate Diploma of Social Science (1 year full-time, or part-time equivalent).

Overview
This JCU Master of Social Science provides you with the academic knowledge and practical skills required to establish a career in local, state and federal government departments, international organisations or the non-government sector. You’ll have access to The Cairns Institute, JCU’s important centre for national and international scholars. This enables you to benefit from the expertise and intellectual resources of more than 20 academic disciplines, where uniquely robust and relevant research, consulting, training and teaching takes place.

As part of your degree, you’ll have the opportunity to plan, develop and produce an independent research project on a topic that interests you. There is a choice of three majors:
- Asia-Pacific Governance and Development
- Environment and Heritage
- Indigenous Studies.

Master of Social Work (Professional Qualifying)

JCU’s Master of Social Work (Professional Qualifying) is a flexible, professionally accredited Social Work degree that includes a substantial professional placement component. You’ll gain knowledge and experience required to practice in a range of fields. When you graduate, you’ll be eligible for membership of the Australian Association of Social Workers (AASW).

Overview
JCU’s Master of Social Work (Professional Qualifying) enables you to develop the knowledge and skills you’ll require to help people thrive in their environment, promote positive relationships, and promote a just and equitable society. You’ll gain experience working with individuals, families, groups and communities. Studies of local and global issues, and subjects that integrate international perspectives with the perspectives of Australian Aboriginal and Torres Strait Islander people, are integral to this course. With two field education placements, this course has very strong practical components. You’ll be able to study in a way that suits your commitments. If you choose limited attendance study mode, you’ll be supported through online material in addition to annual, on-campus workshops. Among the core subjects you’ll study are:
- Post-Graduate Research Methods for the Social Sciences
- Aboriginal and Torres Strait Islander Skills and Frameworks for Practice
- Social Welfare Work with Children and Families
- Social Work and Mental Health
- Social Policy Analysis
- Community Development
- Theories for Social Work Practice.
Master of Tropical Animal Science

JCU’s Master of Tropical Animal Science is for you if you’re a graduate from agricultural science, animal science, rural science, science or related degrees, and you want to specialise in tropical animal health and reproduction. The course enables you to undertake advanced studies in animal nutrition, animal welfare, improving productivity of livestock, and how to better utilise animal resources in tropical, subtropical and similar agro-ecological environments.

Related qualifications
• Graduate Diploma of Tropical Animal Science
  (1 year full-time, or part-time equivalent)
• Graduate Certificate of Tropical Animal Science
  (6 months full-time, or part-time equivalent)

Overview
This JCU course enables you to gain the knowledge and skills required to take your place in this globally important field. You’ll benefit from access to JCU’s:
• Purpose-built emergency veterinary clinic, with its operating theatres and radiology facilities
• Anatomy and biomedical science teaching and research laboratories, with housing for small, large and aquatic animals
• Veterinary teaching facilities in Atherton, Malanda, Townsville and Charters Towers.
You can choose to study a specialist area that adds to your career options, such as:
• Animal nutrition
• Applied pathology
• Aquatic pathobiology
• Epidemiology and biometrics
• Immunology
• Microbiology
• Parasitology
• A research project in your special area of interest.

Master of Tropical Veterinary Science

JCU’s Master of Tropical Veterinary Science is for you if you’re a veterinary science graduate and you want to further your training or advance your skills in a specialist discipline. You’ll study animal health, welfare and production, and explore better utilisation of animal resources, including wildlife, in tropical, subtropical and similar agro-ecological environments.

Related qualifications
• Graduate Diploma of Tropical Veterinary Science
  (1 year full-time, or part-time equivalent)
• Graduate Certificate of Tropical Veterinary Science
  (6 months full-time, or part-time equivalent)

Overview
This JCU course enables you to undertake advanced studies in the diagnosis, treatment and control of tropical diseases in livestock and wildlife species. The knowledge you’ll gain will equip you to take your place in a field that has become globally important due to the rapid advances in world trade. You’ll benefit from access to JCU’s:
• Purpose-built emergency veterinary clinic, with its operating theatres and radiology facilities
• Anatomy and biomedical science teaching and research laboratories, with housing for small, large and aquatic animals
• Veterinary teaching facilities in Atherton, Malanda, Townsville and Charters Towers.
You may choose to study a specialist area that could add to your career options, such as:
• Animal Production
• Pathology
• Epidemiology
• Microbiology
• Parasitology.
## Research degrees

<table>
<thead>
<tr>
<th>Course</th>
<th>Duration (years)</th>
<th>Campus/ Mode</th>
<th>Mid-Year Start (July)</th>
<th>Minimum prerequisites and additional documentation</th>
<th>Course Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PROFESSIONAL DOCTORATES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Doctor of Education</td>
<td>4</td>
<td>T, C, E</td>
<td>Yes</td>
<td>Completion of an AQF level 8 bachelor honours degree with research component (or equivalent), a Preliminary Project Proposal, and Statement of Research Training, Experience, Skills and Attributes forms (refer to jcu.edu.au/grs).</td>
<td>111102</td>
</tr>
<tr>
<td>Doctor of Health Professional Education</td>
<td>4</td>
<td>T, E</td>
<td>Yes</td>
<td>Registration as a nurse, doctor or other health professional or completion of an appropriate AQF level 7 bachelor degree in a relevant discipline with two years practical experience, or equivalent.</td>
<td>111802</td>
</tr>
<tr>
<td>Doctor of Public Health</td>
<td>4</td>
<td>T, C, E</td>
<td>Yes</td>
<td>Completion of an AQF level 8 bachelor honours degree with research component (or equivalent), a Preliminary Project Proposal, and Statement of Research Training, Experience, Skills and Attributes forms (refer to jcu.edu.au/grs).</td>
<td>111402</td>
</tr>
<tr>
<td>Doctor of Tropical Environmental Management</td>
<td>4</td>
<td>T, C, E</td>
<td>Yes</td>
<td>Completion of an AQF level 8 bachelor honours degree with research component (or equivalent), a Preliminary Project Proposal, and Statement of Research Training, Experience, Skills and Attributes forms (refer to jcu.edu.au/grs).</td>
<td>111702</td>
</tr>
<tr>
<td><strong>DOCTOR OF PHILOSOPHY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Doctor of Philosophy (Agriculture, Environmental and Related Studies)</td>
<td>4</td>
<td>T, C, E</td>
<td>Yes</td>
<td>Completion of an AQF level 8 bachelor honours degree with research component (or equivalent), a Preliminary Project Proposal, and Statement of Research Training, Experience, Skills and Attributes forms (refer to jcu.edu.au/grs).</td>
<td>110502</td>
</tr>
<tr>
<td>Doctor of Philosophy (Architecture and Building)</td>
<td>4</td>
<td>T, C, E</td>
<td>Yes</td>
<td>Completion of an AQF level 8 bachelor honours degree with research component (or equivalent), a Preliminary Project Proposal, and Statement of Research Training, Experience, Skills and Attributes forms (refer to jcu.edu.au/grs).</td>
<td>110402</td>
</tr>
<tr>
<td>Doctor of Philosophy (Creative Arts)</td>
<td>4</td>
<td>T, C, E</td>
<td>Yes</td>
<td>Completion of an AQF level 8 bachelor honours degree with research component (or equivalent), a Preliminary Project Proposal, and Statement of Research Training, Experience, Skills and Attributes forms (refer to jcu.edu.au/grs).</td>
<td>111002</td>
</tr>
<tr>
<td>Doctor of Philosophy (Education)</td>
<td>4</td>
<td>T, C, E</td>
<td>Yes</td>
<td>Completion of an AQF level 8 bachelor honours degree with research component (or equivalent), a Preliminary Project Proposal, and Statement of Research Training, Experience, Skills and Attributes forms (refer to jcu.edu.au/grs).</td>
<td>110702</td>
</tr>
<tr>
<td>Doctor of Philosophy (Engineering and Related Technologies)</td>
<td>4</td>
<td>T, C, E</td>
<td>Yes</td>
<td>Completion of an AQF level 8 bachelor honours degree with research component (or equivalent), a Preliminary Project Proposal, and Statement of Research Training, Experience, Skills and Attributes forms (refer to jcu.edu.au/grs).</td>
<td>110302</td>
</tr>
<tr>
<td>Doctor of Philosophy (Health)</td>
<td>4</td>
<td>T, C, E</td>
<td>Yes</td>
<td>Completion of an AQF level 8 bachelor honours degree with research component (or equivalent), a Preliminary Project Proposal, and Statement of Research Training, Experience, Skills and Attributes forms (refer to jcu.edu.au/grs).</td>
<td>110602</td>
</tr>
<tr>
<td>Course</td>
<td>Duration (years)</td>
<td>Campus/Mode</td>
<td>Mid-Year Start (July)</td>
<td>Minimum prerequisites and additional documentation</td>
<td>Course Code</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>------------------</td>
<td>-------------</td>
<td>-----------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>Doctor of Philosophy (Information Technology)</td>
<td>4</td>
<td>T, C, E</td>
<td>Yes</td>
<td>Completion of an AFQ level 8 bachelor honours degree with research component (or equivalent), a Preliminary Project Proposal, and Statement of Research Training, Experience, Skills and Attributes forms (refer to jcu.edu.au/grs).</td>
<td>110202</td>
</tr>
<tr>
<td>Doctor of Philosophy (Management and Commerce)</td>
<td>4</td>
<td>T, C, E</td>
<td>Yes</td>
<td>Completion of an AFQ level 8 bachelor honours degree with research component (or equivalent), a Preliminary Project Proposal, and Statement of Research Training, Experience, Skills and Attributes forms (refer to jcu.edu.au/grs).</td>
<td>110802</td>
</tr>
<tr>
<td>Doctor of Philosophy (Medical and Molecular Sciences)</td>
<td>4</td>
<td>T, C, E</td>
<td>Yes</td>
<td>Completion of an AFQ level 8 bachelor honours degree with research component (or equivalent), a Preliminary Project Proposal, and Statement of Research Training, Experience, Skills and Attributes forms (refer to jcu.edu.au/grs).</td>
<td>111602</td>
</tr>
<tr>
<td>Doctor of Philosophy (Natural and Physical Sciences)</td>
<td>4</td>
<td>T, C, E</td>
<td>Yes</td>
<td>Completion of an AFQ level 8 bachelor honours degree with research component (or equivalent), a Preliminary Project Proposal, and Statement of Research Training, Experience, Skills and Attributes forms (refer to jcu.edu.au/grs).</td>
<td>110102</td>
</tr>
<tr>
<td>Doctor of Philosophy (Society and Culture)</td>
<td>4</td>
<td>T, C, E</td>
<td>Yes</td>
<td>Completion of an AFQ level 8 bachelor honours degree with research component (or equivalent), a Preliminary Project Proposal, and Statement of Research Training, Experience, Skills and Attributes forms (refer to jcu.edu.au/grs).</td>
<td>110902</td>
</tr>
</tbody>
</table>

**MASTERS BY RESEARCH**

<table>
<thead>
<tr>
<th>Course</th>
<th>Duration (years)</th>
<th>Campus/Mode</th>
<th>Mid-Year Start (July)</th>
<th>Minimum prerequisites and additional documentation</th>
<th>Course Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Laws</td>
<td>2</td>
<td>T, C</td>
<td>Yes</td>
<td>Completion of an AFQ level 8 bachelor honours degree with research component (or equivalent), a Preliminary Project Proposal, and Statement of Research Training, Experience, Skills and Attributes forms (refer to jcu.edu.au/grs).</td>
<td>64003</td>
</tr>
<tr>
<td>Master of Philosophy (Agriculture, Environmental and Related Studies)</td>
<td>2</td>
<td>T, C, E</td>
<td>Yes</td>
<td>Completion of an AFQ level 8 bachelor honours degree with research component (or equivalent), a Preliminary Project Proposal, and Statement of Research Training, Experience, Skills and Attributes forms (refer to jcu.edu.au/grs).</td>
<td>110503</td>
</tr>
<tr>
<td>Master of Philosophy (Architecture and Building)</td>
<td>2</td>
<td>T, C, E</td>
<td>Yes</td>
<td>Completion of an AFQ level 8 bachelor honours degree with research component (or equivalent), a Preliminary Project Proposal, and Statement of Research Training, Experience, Skills and Attributes forms (refer to jcu.edu.au/grs).</td>
<td>110403</td>
</tr>
<tr>
<td>Master of Philosophy (Creative Arts)</td>
<td>2</td>
<td>T, C, E</td>
<td>Yes</td>
<td>Completion of an AFQ level 8 bachelor honours degree with research component (or equivalent), a Preliminary Project Proposal, and Statement of Research Training, Experience, Skills and Attributes forms (refer to jcu.edu.au/grs).</td>
<td>111003</td>
</tr>
<tr>
<td>Master of Philosophy (Education)</td>
<td>2</td>
<td>T, C, E</td>
<td>Yes</td>
<td>Completion of an AFQ level 8 bachelor honours degree with research component (or equivalent), a Preliminary Project Proposal, and Statement of Research Training, Experience, Skills and Attributes forms (refer to jcu.edu.au/grs).</td>
<td>110703</td>
</tr>
<tr>
<td>Master of Philosophy (Engineering and Related Technologies)</td>
<td>2</td>
<td>T, E</td>
<td>Yes</td>
<td>Completion of an AFQ level 8 bachelor honours degree with research component (or equivalent), a Preliminary Project Proposal, and Statement of Research Training, Experience, Skills and Attributes forms (refer to jcu.edu.au/grs).</td>
<td>110303</td>
</tr>
<tr>
<td>Course</td>
<td>Duration (years)</td>
<td>Campus/Mode</td>
<td>Mid-Year Start (July)</td>
<td>Minimum prerequisites and additional documentation</td>
<td>Course Code</td>
</tr>
<tr>
<td>---------------------------------------------------------------</td>
<td>------------------</td>
<td>-------------</td>
<td>-----------------------</td>
<td>--------------------------------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>Master of Philosophy (Health)</td>
<td>2</td>
<td>T, C, E</td>
<td>Yes</td>
<td>Completion of an AFQ level 8 bachelor honours degree with research component (or equivalent), a Preliminary Project Proposal, and Statement of Research Training, Experience, Skills and Attributes forms (refer to jcu.edu.au/grs).</td>
<td>110603</td>
</tr>
<tr>
<td>Master of Philosophy (Information Technology)</td>
<td>2</td>
<td>T, C, E</td>
<td>Yes</td>
<td>Completion of an AFQ level 8 bachelor honours degree with research component (or equivalent), a Preliminary Project Proposal, and Statement of Research Training, Experience, Skills and Attributes forms (refer to jcu.edu.au/grs).</td>
<td>110203</td>
</tr>
<tr>
<td>Master of Philosophy (Management and Commerce)</td>
<td>2</td>
<td>T, C, E</td>
<td>Yes</td>
<td>Completion of an AFQ level 8 bachelor honours degree with research component (or equivalent), a Preliminary Project Proposal, and Statement of Research Training, Experience, Skills and Attributes forms (refer to jcu.edu.au/grs).</td>
<td>110803</td>
</tr>
<tr>
<td>Master of Philosophy (Medical and Molecular Sciences)</td>
<td>2</td>
<td>T,C</td>
<td>Yes</td>
<td>Completion of an AFQ level 8 bachelor honours degree with research component (or equivalent), a Preliminary Project Proposal, and Statement of Research Training, Experience, Skills and Attributes forms (refer to jcu.edu.au/grs).</td>
<td>111603</td>
</tr>
<tr>
<td>Master of Philosophy (Natural and Physical Sciences)</td>
<td>2</td>
<td>T, C, E</td>
<td>Yes</td>
<td>Completion of an AFQ level 8 bachelor honours degree with research component (or equivalent), a Preliminary Project Proposal, and Statement of Research Training, Experience, Skills and Attributes forms (refer to jcu.edu.au/grs).</td>
<td>110103</td>
</tr>
<tr>
<td>Master of Philosophy (Society and Culture)</td>
<td>2</td>
<td>T, C, E</td>
<td>Yes</td>
<td>Completion of an AFQ level 8 bachelor honours degree with research component (or equivalent), a Preliminary Project Proposal, and Statement of Research Training, Experience, Skills and Attributes forms (refer to jcu.edu.au/grs).</td>
<td>110903</td>
</tr>
</tbody>
</table>

Campus availability: T = Townsville; C = Cairns; E = External
External mode degrees are primarily offered by flexible, online or distance delivery, but may require some attendance on campus (not eligible if applying for a student visa)
* Available as part-time study only
** Not all majors available at all campuses
^ This course is under review, please contact JCU for further information
Application and fees information for postgraduate coursework programs

Postgraduate study is one of the best investments you will ever make

How to apply
Call 1800 246 446 or apply by following the links at
jcu.edu.au/applying-to-jcu

Tuition fees
Postgraduate study is an investment in your future and provides enhanced career opportunities.
Coursework students either pay tuition fees or a student contribution amount.
Australian citizens or permanent humanitarian visa holders can pay all or part of their fees upfront or defer payment.
jcu.edu.au/domestic-postgraduate-fees

Scholarships, bursaries and grants
All students are encouraged to apply for scholarships, bursaries and grants. We offer internal JCU scholarships and grants, plus many external scholarships made available by Government departments, business and industry groups.
jcu.edu.au/scholarships

Student loans and financial assistance
There are also two main loan systems to help students with tuition fees:
• Commonwealth Supported places (see below) and the associated loan (HECS-HELP)
• Domestic fee-paying places and the associated loan (FEE-HELP).
Youth Allowance, Austudy and ABSTUDY assistance may also be available to eligible students undertaking Masters by coursework study in approved courses.
jcu.edu.au/feessupport

Commonwealth Supported courses
JCU is one of the Australian universities that has been selected to offer Commonwealth Supported places at postgraduate level. This means that the tuition fees in the courses that have Commonwealth Supported places are subsidised by the Australian Government, so your upfront fees (which you can choose to defer through HECS-HELP) will be less.

JCU COMMONWEALTH SUPPORTED COURSES
• Graduate Certificate of Career Development
• Graduate Certificate of Public Health
• Graduate Certificate of Research Methods (Tropical Environments and Societies)
• Graduate Certificate of Research Methods (Tropical Health and Medicine)
• Graduate Diploma of Clinical Psychology
• Graduate Diploma of Education (Secondary)
• Graduate Diploma of Midwifery
• Graduate Diploma of Psychology
• Graduate Diploma of Public Health and Tropical Medicine
• Graduate Diploma of Research Methods (Tropical Environments and Societies)
• Graduate Diploma of Research Methods (Tropical Health and Medicine)
• Graduate Diploma of Medical Science
• Graduate Diploma of Science
• Graduate Diploma of Tropical Health and Medicine
• Master of Development Practice
• Master of Guidance and Counselling
• Master of Midwifery
• Master of Nursing in
  - Advanced Clinical Practice
  - Clinical Education
  - Leadership and Management
• Master of Nursing (Nurse Practitioner)
• Master of Pharmaceutical Public Health
• Master of Psychology (Clinical)
• Master of Public Health in
  - Aeromedical Retrieval
  - Biosecurity and Disaster Preparedness
  - Communicable Disease Control
  - Health Promotion
• Master of Public Health and Tropical Medicine
• Master of Science
• Master of Science (Professional)
• Master of Social Science
• Master of Social Work (Professional Qualifying)
• Master of Teaching and Learning (Primary)
• Master of Teaching and Learning (Secondary)
• Master of Tropical Urban and Regional Planning
• Master of Planning Urban Design.
Graduate Research School

JCU’s Graduate Research School (GRS) oversees all aspects of research degree candidature from application through to graduation, including assistance with scholarship programs.

jcu.edu.au/grs

TO APPLY FOR A HIGHER DEGREE BY RESEARCH (HDR) AT JCU:

1. Identify a topic or area of interest
2. Visit Find an Advisor: jcu.me/find-an-advisor to determine if JCU has the required expertise, and identify a potential Primary Advisor (supervisor) in your area of interest
3. Contact your potential Advisor by lodging an Expression of Interest
4. Work with your Advisor to develop and submit an online application
5. You can submit an application at any time of year.

For further information, including how to find potential Advisors, to submit an Expression of Interest, and a step-by-step guide to the application process, please visit:

jcu.edu.au/grs/prospective

Fees and financial assistance

Australian citizens and permanent residents are Commonwealth supported under the Federal Government’s Research Training Scheme (RTS). Eligible candidates may receive tuition fee exemption, a stipend and allowances for the normal duration of an accredited research course under the scheme.

All HDR candidates are required to pay the students services and amenities fee.

Scholarships

JCU offers many competitive scholarships for higher degree by research candidates, including: the Research Training Program scholarships, JCU Postgraduate Research scholarships and the AIMS@JCU scholarships.

Each of these scholarships provides a stipend to assist with living costs and may include an exemption from tuition fees. For more information, including how scholarship applications are evaluated and the application procedure, visit:

jcu.edu.au/grs/scholarships
Research facilities

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

A JCU qualification is internationally recognised for excellence. Our research students work alongside award-winning academics, in a friendly and supportive environment.

We have a high-ranking global research reputation, particularly in environmental and earth sciences, materials engineering, coral reef ecology, marine science, terrestrial ecology, fisheries and aquaculture, tropical medicine, and public health.

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 commenced in 2018 and results will be available in 2019.

JCU’s own canopy crane allows researchers to explore the World Heritage Daintree Rainforest through all its different levels.

JCU's proximity to the Great Barrier Reef means as a researcher you'll have easy access to a diversity of marine and coastal ecosystems.
James Cook University is a leader in research addressing the critical challenges facing the Tropics, worldwide.

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 savannahs of Cape York Peninsula, and the deserts of the arid outback. These living laboratories provide our staff and students with unlimited research 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.
The 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.

The 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 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.edu.au/cairnsinstitute
The Australian Institute of Tropical Health and Medicine (AITHM) is a new and significant tropical health and medical research institute based at JCU. AITHM’s programs encompass public health, bio-molecular, clinical, translational, and health systems research that is 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.
The Daintree Rainforest Observatory (DRO) is located in lowland tropical rainforest at Cape Tribulation, 140 kilometres 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 equipped to support the basic needs of most rainforest research.

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

JCU’s canopy crane allows researchers to explore the rainforest from the atmosphere above the canopy, through its different levels, and down to the soils and subterranean water resources. The crane is a unique research platform allowing 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 research projects that aim to understand environmental change across the globe. The International Long Term Ecological Research (ILTER) network focuses on sustained, site-based research and monitoring.

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 research aids the understanding of the impacts of changing climates on rainforest biodiversity.

The DRO offers a limited number of scholarships open to Honours, Masters and PhD students from JCU, and other national and international universities.

jcu.edu.au/daintree
Research in the field forms a large and practical part of many JCU courses.
Orpheus Island Research Station is located on the western side of Orpheus Island with ready access to pristine inshore reefs and islands. A known 1,100 species of fish and 340 of the 350 known species of reef coral can be found in the underwater gardens of the surrounding reefs.

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

Exploring the waters off Orpheus Island reveals a number of different types of submerged historic sites. From Indigenous sites to recent shipwrecks, this research station is also a base for research 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.

Postgraduate students have access to a wealth of scientific resources on the island, including climate-controlled research rooms, wet laboratories, a versatile saltwater aquarium system and six aquarium raceways.

[Orpheus Island](jcu.edu.au/orpheus-island-research-station)
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 Aquarium Complex

The Aquarium Complex comprises large re-circulated seawater and freshwater aquarium systems, as well as controlled-environment facilities. Researchers rear and maintain oysters, mud crabs, corals, reef fishes and freshwater fishes in a controlled environment. Several large outdoor covered areas are available to our researchers. Previous research projects have demonstrated that the system will permit successful rearing of reef fishes through egg, larval and settlement stages.

Our research 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 new Industrial Transformation Research Hub for Advanced Prawn Breeding and Genomics brings together researchers and the Australian prawn farming sector to develop and transfer the capacity for the industry to benefit from genomic-informed breeding programs, while the Australian Research Council’s Centre of Excellence in Coral Reef Studies at JCU leads the world in the science of understanding and managing coral reef resources.

jcu.edu.au/marf
The ARC Centre of Excellence for Coral Reef Studies is the world leader in integrated research for sustainable use and management of coral reefs.

The Centre 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.

Research students can apply for a scholarship funded by the Centre of Excellence to enrol in Doctoral studies under the supervision of its leading researchers.

coralcoe.org.au

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 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 is a strategic alliance between JCU and the Australian Institute of Marine Science (AIMS). It facilitates world-class tropical marine science delivered through jointly supervised postgraduates and their projects. AIMS@JCU integrates the strengths, synergies, infrastructure and expertise of both organisations.

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.

By supporting postgraduate training in these areas, AIMS@JCU makes a significant contribution to training the next generation of marine science leaders equipped with expertise of most relevance to meet real world challenges.

AIMS@JCU outputs inform government policy and improve the global knowledge and tools required to understand and sustainably manage marine resources. Our alumni benefit from high global profile and impact, and include many early career marine scientists employed by eminent national and international organisations.

Some of the benefits of membership include, access to:

- Full or supplementary scholarship funding
- Student Pilot Research Awards and Travel Awards
- Student Science Communication funding through the annual AIMS@JCU Seminar Day
- An extensive global network of marine science and policy practitioners, peers and end-user stakeholders.

**PhD opportunities**

AIMS@JCU offers the following competitive PhD scholarships each year:

- Stipend for four years, plus tuition fees if applicable
- Additional funding support for professional development in quantitative methods appropriate to the project
- Additional $5,000 per year as stipend top-up or project costs (as agreed between student and supervisors).

[aims.jcu.edu.au/current-funding-opportunities.aspx](aims.jcu.edu.au/current-funding-opportunities.aspx)
[aims.jcu.edu.au](aims.jcu.edu.au)
JCU eResearch Centre

JCU has an increasingly significant role in the development of eResearch globally, by engaging innovative and creative practices to enable research locally and worldwide. JCU’s eResearch Centre is a multi-disciplinary integration of researchers, IT professionals, and members of the public whose aim is to advance tropical knowledge by bringing together researchers and the wider community to harness the power of technology and data.

With postgraduate students and dedicated support staff the eResearch Centre acts to:

• Enable and engage with high-quality research
• Promote researchers, their data and research outcomes
• Support internal and external collaboration and engagement
• Provide ICT training and advice.

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

JCU Advanced Analytical Centre

The Advanced Analytical Centre (AAC) is a central analytical facility, providing a range of analytical instrumentation. The AAC is supported by highly-experienced staff who have been instrumental in the research of hundreds of students and a wide variety of research projects, from areas as diverse as 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.edu.au/aac
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 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 is of key interest to researchers, as it experiences a wet season followed by a six-to-nine month dry season. Fletcherview also supports research in biology and botany, and field trips to study the unique geomorphology and geology of its lava flows.

jcu.edu.au/fletcherview
Unique challenges facing the Tropics

The launch of the landmark State of the Tropics 2014 Report demonstrated that, while tropical nations have made significant progress across a broad range of development indicators, they face a variety of unique challenges that demand focused attention, including:

**Climate change:** The Tropics host some of the world’s most vulnerable communities and even small temperature increases in the Tropics could lead to significant climate impacts. Due to climate change, tropical conditions are also expanding polewards, increasing the potential for extreme weather events such as tropical storms and expanding the range of vector-borne diseases such as malaria and dengue and other neglected tropical diseases.

**Culture:** The Tropics host most of the world’s cultural and linguistic diversity, with especially high language diversity in regions like Melanesia, the Amazon, equatorial Africa, South East Asia and India. The rapid loss of languages and cultural diversity in the Tropics mirrors biodiversity loss. Traditional knowledge and wisdom accumulated over millennia is similarly threatened.

**Demography:** The tropical zone hosts 40% of the world’s population, including many nations with high population growth rates. By 2050, more than half of the world’s people will live in the Tropics including two out of every three children. Such demographic changes present both great challenges and also enormous opportunities.

**Development:** Many tropical nations endure a disproportionate share of poverty, disease and poor governance. 96% of malaria cases and 72% of dengue cases occur in the Tropics, while more than 70% of all maternal and child deaths globally occur in tropical nations.

**Environment:** The tropical zone is the most biologically diverse region on Earth, hosting 80% of the planet’s terrestrial species and 95% of its coral species and mangroves. Much of the world’s remaining primary forests are tropical. Negative impacts on tropical ecosystems and biodiversity also threaten human health, wellbeing and prosperity.

**Urbanisation and Infrastructure Development:** Almost half of the tropical population lives in an urban area and people are moving to cities at a faster rate than in the rest of the world. Appropriate planning, design, investment and construction will be critical to ensure viable, sustainable and stable communities in coming decades. Each of these challenges will have a disproportionate impact on women and girls, and it is essential that women and girls are fully and equally engaged in shaping the responses to them. Improving economic, political and social equality for women delivers improvements across a range of social and economic indicators - healthy, educated and empowered women benefit their families, communities and entire nations.

stateofthetropics.org
Contact us

Apply to JCU

Email us at: enquiries@jcu.edu.au
Apply online: jcu.edu.au/applying-to-jcu

JCU Student Centre is your number one point of contact.
Our friendly staff will provide advice on courses and careers, subjects, fees, support services and scholarships.

Townsville: 07 4781 5255
Cairns: 07 4232 1000
Freecall (within Australia): 1800 246 446
Email: enquiries@jcu.edu.au

jamescookuniversity
@jcu
jculife.tumblr.com

julife
James Cook University
James Cook University

Disclaimer
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. Check for updates at jcu.edu.au

James Cook University CRICOS Provider Code 00117J