

International Undergraduate Prospectus **2013**





WELCOME

James Cook University is a leading Australian research and teaching institution, listed in the top 400 universities in the world based on research excellence*. International students have been coming to our campuses for many years to further their education, undertake research and gain qualifications that are recognised world-wide.

JCU is Queensland's second oldest university and was established in Townsville, Queensland in 1970 to be Australia's "University for the Tropics". Now, JCU has developed into a Tri-City University with major tropical campuses in Townsville and Cairns, both in northern Queensland, and in the world-class city-state of Singapore. Some JCU courses are also offered at JCU Brisbane, a campus operated by Russo Higher Education Pty Ltd in Queensland's capital city of Brisbane.

From its establishment, JCU's mandate has been to conduct research and teaching on areas of particular relevance to the tropics, a region that is the home of nearly half the world's people and around 80 per cent of its biodiversity. We articulate our clear and potent vision in our Strategic Intent: to work towards a brighter future for life in the tropics world-wide through graduates and discoveries that make a difference.

At JCU our students are the heart of our organisation and our aim is to ignite and support your passion for learning and provide you with a truly Australian experience. As an international student at JCU you will enjoy a supportive study environment, highly qualified teachers, exceptional facilities, and a friendly atmosphere that emphasises personal contact between students and academics. Our graduates are valued by employers for their combination of academic skills, practical experience and good communication and technology skills.

More than 5,000 international students from many countries are enjoying the benefits of studying with JCU right now and our alumni are working throughout the world. Please take the time to discover our campuses, facilities and the large range of courses that are outlined in this Prospectus. I hope I will have the opportunity to welcome you to our University.

Professor Sandra Harding
Vice-Chancellor and President

International Undergraduate Prospectus 2013

OUR LOCATIONS

Singapore





Contents

| | |
|--|--------------------|
| Welcome from the Vice-Chancellor | Inside front cover |
| James Cook University – A Brighter Future | 2 |
| Our Locations | |
| Townsville | 4 |
| Cairns | 6 |
| Singapore | 8 |
| Brisbane | 9 |
| Courses, Fees and Entry Requirements | |
| Courses and Fees | 10 |
| Faculty of Arts, Education and Social Sciences | 13 |
| Faculty of Law, Business and the Creative Arts | 19 |
| Faculty of Medicine, Health and Molecular Sciences | 27 |
| Faculty of Science and Engineering | 35 |
| JCU Pathway College | 42 |
| Additional Study Options | 43 |
| Academic Entry Requirements | 44 |
| English Language Entry Requirements | 47 |
| Life on Campus | |
| Student Services | 48 |
| Accommodation | 50 |
| Important Information | |
| Study Dates | 52 |
| Financial Aid and Scholarships | 52 |
| Planning your Budget | 53 |
| Australian Visa Information | 53 |
| How to Apply | 54 |
| Undergraduate Application Form | 55 |
| Getting to James Cook University | Inside back cover |
| Contact Us | Back cover |

DID YOU KNOW



JCU is recognised around the world for its expertise in marine biology, environmental studies, tropical health and tourism.

James Cook University

A brighter future for life in the tropics, world-wide

James Cook University (JCU) is the second oldest university in Queensland and Australia's leading university in the tropics. Offering excellence in teaching and research, JCU is a vibrant three-campus university with main campus locations in the tropical Queensland cities of Townsville and Cairns and the city-state of Singapore. Some JCU degrees are also offered at JCU Brisbane, a campus operated by Russo Higher Education Pty Ltd in Queensland's capital city of Brisbane along with education partners in Asia and the Pacific. Total student enrolments are more than 18,000 and growing, including over 5,000 international students from 100 countries. There are over 300 programs available to international students to study at JCU.

Global quality degrees

James Cook University offers a full range of courses spanning the arts and humanities, business, creative arts, education, engineering, health sciences, information technology, law, marine biology, medicine, sciences, social sciences and veterinary science. This broad range of study areas means you can usually combine areas of personal interest into a customised study plan. Our degrees are accredited by leading professional organisations and are internationally recognised.

Practical focus

JCU courses will give you opportunities for hands-on experience from internships, vacation, placements, capstone subjects, and real-world projects with business, industry and government organisations, to field trips in the natural environments of northern Queensland. JCU works with employers and industry groups to make sure our courses reflect best industry practice.

Supportive study environment

JCU recognises that knowledge has the power to change lives and strives to create a student centred learning environment where students learn to take full advantage of their university experience. With friendly campuses, smaller class sizes, accessible teaching staff, and excellent support services including study skills and student mentor programs, JCU students receive the personal attention they need to achieve their best.

Teaching excellence

Study with us and you will learn from expert teachers. Over the past five years, JCU academics have won more than 39 citations for teaching excellence from the Australian Teaching and Learning Council – more teaching awards than many larger universities. JCU teaching staff are highly qualified and dedicated. Innovation in the use of teaching styles and technologies is fundamental to JCU's approach to teaching.

Graduates and discoveries that make a difference

James Cook University is about people and place, and we adopt new methods, new approaches and new technologies to help our students develop the skills, abilities and knowledge base they need to succeed. We bring a diverse array of knowledge, skills and experience through our staff and the broader community to fulfil the potential of our university.

Research intensive

As a leading research university, JCU provides excellent facilities for teaching and learning. The unique location of James Cook University allows nationally significant and internationally recognised research to be conducted by both staff and students. Much research focus is based on the industries and environments of northern Australia including marine biology, biodiversity, tropical environmental studies, earth sciences/geology, engineering, tropical health and tourism. Total research related income at JCU reached \$52.6 million in 2010, including funding from

government, competitive grants and industry. This is expected to rise strongly in the coming years. JCU is a member of the national alliance, Innovative Research Universities and is one of the world's leading research universities in the tropics.

A natural choice for study

Significant for JCU students in Australia is the university's unique natural location. Visitors and residents enjoy a huge range of leisure activities including diving on the Great Barrier Reef, visiting the ancient rainforests and waterfalls in the many national parks, bushwalking, camping, fishing and visiting historic outback regions or the picturesque farming villages of the Atherton Tablelands. At JCU's Singapore campus, students will experience quality Australian education in a dynamic yet safe Asian metropolis. Students at the Brisbane campus will experience one of Australia's most liveable cities and have easy access to the coastal regions of the Sunshine Coast and Gold Coast.



DID YOU KNOW



Over the past five years, JCU academics have won 39 national awards for teaching excellence from the Australian Teaching and Learning Council – more than many larger universities.

DID YOU KNOW



Our research capabilities mean that undergraduate students enjoy unique opportunities for field trips, industry links, experience at research stations and access to what would be postgraduate-only facilities at many other universities.

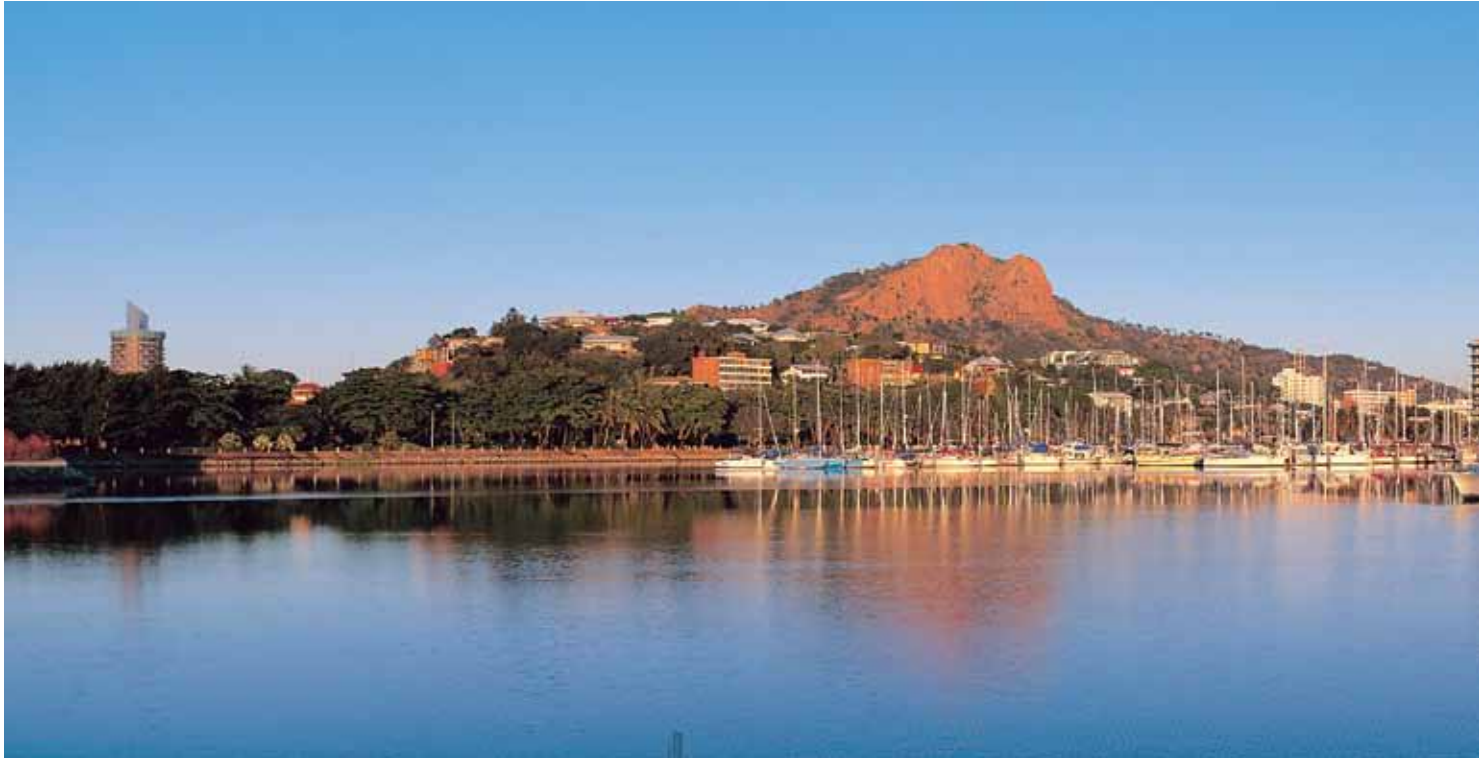
DID YOU KNOW



JCU is ranked as Australia's leading university in Environmental Science and Management and Fisheries Science research. JCU is also ranked among the top 12 tourism education institutions in the world.

Our locations

Townsville



The City

Townsville is the major administrative centre of north-eastern Australia. Its varied and fast growing economy means that there are many employment opportunities in the city, both for JCU graduates and for students seeking part-time work to help finance their study. The city is also a stepping off point for visiting the Great Barrier Reef – two hours away by boat, and is one hour from the Wet Tropics rainforests of Paluma. The resort regions of Mission Beach and the Whitsunday islands are also within easy reach. Students have a wealth of sporting, cultural and entertainment options available.

www.townsville.qld.gov.au
www.townsvilleenterprise.com.au

The Campus

James Cook University's largest campus, with over 12,000 students including approximately 1,500 enrolled international students, is located in a peaceful 386-hectare setting of natural bush and parkland full of native Australian flora and fauna. The campus is nestled in the residential suburb of Douglas, close to the Ross River, 13 kilometres (8 miles) from the city centre.

The Townsville campus offers a range of activities and facilities for students including

- retail stores
- cafes and food and drink outlets
- bookshop
- gym, sporting facilities and many active clubs and societies
- swimming pool
- performance space
- accommodation service
- counselling and career services
- main JCU library

There is also a student mall with dining options, a post office and hairdresser on campus. The Medical Centre is situated next to Townsville Hospital, opposite the campus and a variety of sporting clubs and student societies are available for students to join. Students have round-the-clock access to the university's wireless computer network that covers the majority of the campus. Students from diverse backgrounds live on campus in colleges and halls of residence, and with free parking available in several areas of the university, on-campus childcare options and a spacious layout, the campus has a true community atmosphere. New developments are underway as part of JCU's Discovery Rise project.

DID YOU KNOW



The beautiful Townsville and Cairns campuses are home to a diverse range of plant and animal species. Learn more at our interactive Discover Nature website

www.jcu.edu.au/discovernature



Townsville is a thriving coastal city and port with a population of over 181,000 making it Australia's largest tropical city. Situated in the dry tropics, most days are sunny, with an average daytime temperature of between 25°C-30°C (77°F-86°F).



Our locations

Cairns



The City

Cairns is one of Australia's most popular tourist destinations. Cairns has a diverse population of around 150,000. With the Great Barrier Reef only 1.5 hours away by boat, there are many opportunities for reef and island visits and diving. The city has a cosmopolitan atmosphere with many cafés, restaurants, markets and nightclubs. Students looking for part-time work during their studies in Cairns will find a variety of part-time jobs available in tourism, hospitality, retail sales and business administration.

Thanks to the thriving business in international visitors, many employers value part-time workers with foreign language skills.

www.cityofcairns.qld.gov.au
www.cairnsgreatbarrierreef.org.au

The Campus

The James Cook University Cairns campus combines a spectacular natural setting with modern and innovative teaching facilities. The campus nestles below rainforest-covered mountains in the suburb of Smithfield, 15 kilometres (approximately 9 miles) north of the city centre and near the popular northern beaches suburbs. The campus is served by regular buses to the city centre and the nearby Smithfield shopping centre and residential areas.

With over 4,000 students enrolled, including more than 380 international students, the campus offers the latest teaching and learning facilities including an impressive library and information technology building, some of

the largest science-teaching laboratories in the state and specialist health and science research facilities. A \$30 million Dentistry teaching building opened in 2010.

The Cairns campus offers a range of activities and facilities for students including

- student eatery, café and bar
- bookshop
- sporting facilities
- JCU Pathway College
- amphitheatre
- Student Association Office

Students enjoy small classes and a friendly campus atmosphere. Modern student accommodation is also situated near the campus.

DID YOU KNOW



The Great Barrier Reef is one of the world's greatest natural wonders and is home to the largest coral reef ecosystem.



Over two million visitors come each year to enjoy the spectacular natural attractions and activities on offer, which include scuba diving and snorkelling on the Great Barrier Reef, exploring ancient rainforests, rivers and waterfalls, national parks, Port Douglas and Mission Beach.



Our locations Singapore



Singapore offers the best of both worlds, combining a cosmopolitan and sophisticated city with Asian traditions and heritage.

The City

Singapore's unique characteristics and highly accessible infrastructure make it one of the best places to study and work in Asia. Aiming to be the educational hub and global schoolhouse of the region, this multi-cultural country provides you with an exciting platform for personal growth, professional fulfillment and cross-cultural interaction. Living conditions in Singapore are among the best in Asia, with state-of-the-art facilities for education, shopping, sports and recreation.

The Campus

JCU Singapore is fully owned by James Cook University Australia. The university established JCU Singapore in 2003 as part of its expressed intent of internationalising its activities and in pursuit of its vision of "A brighter future for life in the tropics, world-wide". The University offers a suite of university level programs at the JCU Singapore campus.

Student enrolment at the campus has grown rapidly from 50 students in 2003

to approximately 2500 students in 2011. The campus is truly multicultural with students from Singapore and across Asia, in particular China, India, Indochina, Indonesia and Malaysia. Additionally students enroll from Europe and the United States.

JCU Singapore has two campuses providing students with access to a full range of facilities and services to support their learning. Facilities include lecture and seminar rooms, a fully equipped library, computer laboratories, an onsite bistro and access to a variety of sporting facilities.

All courses are registered with the Council for Private Education (Registration No. 200100786K) and the operations are governed by EduTrust. In 2008, the campus achieved the Singapore Quality Class for Private Education Organizations accreditation.

JCU Singapore provides the opportunity for international and local students to earn a "real Australian degree" without leaving Singapore.



SINGAPORE COURSES AND FEES

| Course | Total Tuition Fees# | Fast-track duration in years* |
|---|---------------------|-------------------------------|
| Bachelor of Arts (Psychology) | S\$44,651 | 2 |
| Bachelor of Business (Hospitality Management, International Business, Management and Entrepreneurship, Marketing, Tourism Management) | S\$44,651 | 2 |
| Bachelor of Business and Environmental Science | S\$49,117 | 2 |
| Bachelor of Information Technology (Computing and Networking, Interactive Technologies and Games Design) | S\$44,651 | 2 |
| Bachelor of Psychology** | S\$60,680 | 4 |

* Duration of full program, assuming students have not been granted credit exemption.

Tuition fee in Singapore Dollars including prevailing 7% Goods and Services Tax (GST)

** High performing students may be invited to join the Honours program

DID YOU KNOW



There are various tourist spots to visit such as Sentosa Island, Jurong Bird Park, Singapore Zoo, East Coast Beach, Chinese Gardens, Night Safari, Chinatown, Little India and many more.

Our locations Brisbane

Brisbane is a modern and diverse subtropical metropolis offering visitors a stimulating experience in a warm, friendly and relaxed environment.



The City

Brisbane, Australia's New World city, is a leading destination for international education, business, investment and major events. This sunshine state is rapidly emerging as a diverse and energised global city with a \$104 billion economy. Well serviced by city infrastructure, Brisbane is home to cultural precincts of theatres, museums and international cuisine. This city is also a multi-cultural hub of creativity and invention, all set in a sub tropical climate ideal for the outdoor lifestyle.

The Campus

Nestled in the heart of this capital city and a short distance from the riverfront is JCU Brisbane, the University's city campus, operated by Russo Higher Education Pty Ltd.

Surrounded by skyscrapers housing both Australian and international businesses, the Brisbane campus provides the ideal setting for international students wishing to gain workplace exposure through academic and non academic work experience programs.

Work-Integrated Learning

Work-Integrated Learning (WIL) is learning through experience. At JCU Brisbane, this learning is maximised using a range of activities and experiences to expose students to a variety of authentic industry-related situations. These opportunities may include a professional internship, working in a group on a community project, through to visiting an Australian business or having corporate leaders work with students in the classroom.

\$A1,000 High Distinction Academic Award

This award is given to all students who achieve a High Distinction score (typical grade of 85% and above) in their subjects.

Employment and Careers Services – through Joblinx

Exclusive to JCU Brisbane students, Joblinx services include sourcing part-time, casual and graduate employment, as well as providing training, professional development and work experience programs.

DID YOU KNOW



JCU Brisbane offers an Internship program called Professional Experience that is a recognised subject in the Bachelor of Business program.

BRISBANE COURSES AND FEES

| Course | Annual Tuition Fees [#] | Standard duration (in trimesters) |
|---|----------------------------------|-----------------------------------|
| Diploma of Business | A\$21,000 | 3 |
| Bachelor of Business (Accounting [^] , General, Hospitality Management, International Business, Management, Marketing, Sports and Events Management) | A\$21,000 | 8 |

[^] Available as single major only

[#] Tuition fee in Australian dollars

What Can I Study?

Courses and Fees

| Course | 2013 Tuition Fee (per year) | Duration | Campus | Mid-Year Intake | English Band Level | Minimum Prerequisites |
|---|-----------------------------|----------|------------------------|-----------------|--------------------|---|
| BACHELOR DEGREES | | | | | | |
| Bachelor of Arts [see p. 14] (Anthropology, Archaeology, Criminology, English, Environmental Studies, French, Geography, German, History, Human Services, Indigenous Australian Studies, Italian, Japanese, Media and Writing, Political Science, Psychology, Screen Studies, Sociology, Sociology) | \$19,000 | 3 | T,C** | Yes | 1 | |
| Bachelor of Arts/Bachelor of Business [see p. 14/20] | \$21,000 | 4 | T,C** | Yes | 1 | |
| Bachelor of Arts/Bachelor of Laws [see p. 14/23] | \$22,000 | 5 | T,C** | Yes | 2 | |
| Bachelor of Arts/Bachelor of Science [see p. 14/38] | \$24,500 | 4 | T,C** | Yes | 1 | |
| Bachelor of Arts/Bachelor of Social Work [see p. 14/17] | \$19,000 | 5 | T,C** | Yes | 3a | |
| Bachelor of Biomedical Sciences [see p. 28] | \$23,000 | 3 | T | No | 2 | Chemistry, Maths B |
| Bachelor of Biotechnology [see p. 36] | \$24,500 | 3 | T | No | 1 | Chemistry, Maths B |
| Bachelor of Business [see p. 20] (Accounting, General, Economics, Financial Management, International Business, Management, Marketing, Sports and Event Management, Tourism Management) | \$21,000 | 3 | T,C** | Yes | 1 | |
| Bachelor of Business and Environmental Science [see p. 36] | \$23,000 | 3 | T | Yes | 1 | Chemistry, Maths B |
| Bachelor of Business/Bachelor of Laws [see p. 20/23] | \$22,000 | 5 | T,C** | Yes | 2 | |
| Bachelor of Business/Bachelor of Psychology [see p. 20/16] | \$21,000 | 5 | T,C | Yes | 1 | |
| Bachelor of Creative Industries [see p. 22] (Media Design, Performance, Visual Arts) | \$21,000 | 3 | C | Yes | 1 | |
| Bachelor of Dental Surgery [see p. 28] | \$44,000 | 5 | C | No | 3b | Chemistry, Maths B |
| Bachelor of Education [see p. 16] (Early Childhood*, Primary, Primary Physical Education, Middle School) | \$19,000 | 4 | T,C,External* | Yes | 4 | |
| Bachelor of Education [see p. 16] (Secondary, Secondary Physical Education) | \$19,000 | 4 | T,C | Yes | 4 | |
| Bachelor of Education/Bachelor of Arts [see p. 16/14] | \$19,000 | 4.5 | T,C | Yes | 4 | |
| Bachelor of Education/Bachelor of Languages [see p. 16] | \$19,000 | 5 | T,C** | Yes | 4 | |
| Bachelor of Education/Bachelor of Science [see p. 16/38] | \$24,500 | 4.5 | T,C** | Yes | 4 | Chemistry, Maths B |
| Bachelor of Engineering [see p. 36] (Chemical, Civil, Computer Systems, Electrical and Electronic, Mechanical) | \$25,500 | 4 | T,C (first year only) | Yes~ | 1 | Maths B |
| Bachelor of Engineering/Bachelor of Information Technology [see p. 36/23] | \$25,500 | 5 | T,C (first year only) | Yes~ | 1 | Maths B |
| Bachelor of Engineering/Bachelor of Science [see p. 36/38] | \$25,500 | 5 | T,C (first year only) | Yes~ | 1 | Chemistry, Maths B |
| Bachelor of Geology [see p. 37] | \$28,000 | 3 | T,C (first year only) | Yes | 1 | |
| Bachelor of Information Technology [see p. 23] (Business Informatics, Computing and Networking, Interactive Technologies and Game Design) | \$21,000 | 3 | T,C | Yes | 1 | |
| Bachelor of Languages [see p. 16] (French, German, Italian, Japanese) | \$19,000 | 4 | T,C** | No | 1 | |
| Bachelor of Laws [see p. 23] | \$22,000 | 4 | T,C | Yes | 2 | |
| Bachelor of Laws (Graduate) [see p. 23] | \$22,000 | 3 | T,C | Yes | 2 | Completion of a recognised degree in an area other than law |
| Bachelor of Marine Science [see p. 38] | \$24,500 | 3 | T, C (first year only) | Yes | 1 | Chemistry, Maths B |
| Bachelor of Medical Laboratory Science [see p. 28] | \$23,000 | 4 | T | No | 2 | Chemistry, Maths B |
| Bachelor of Medicine/Bachelor of Surgery [see p. 28] | \$36,000 | 6 | T | No | 3b | Chemistry, Maths B |
| Bachelor of Multimedia Journalism [see p. 16] | \$21,000 | 3 | T | Yes | 1 | |
| Bachelor of New Media Arts [see p. 23] (Contemporary Theatre, Illustration and Visual Media, Media Design, Music and Sound Media, Photomedia) | \$21,000 | 3 | T | Yes | 1 | |
| Bachelor of Nursing Science [see p. 28] | \$20,000 | 3 | T,C | No | 3a | |
| Bachelor of Occupational Therapy [see p. 29] | \$23,000 | 4 | T | No | 2 | One of Biology, Chemistry, Physics, Health Education or Physical Education |
| Bachelor of Occupational Therapy (Post-qualification) [see p. 29] | \$23,000 | 1 | T | No | 2 | Completion of an Occupational Therapy diploma or degree that is accredited by the World Federation of Occupational Therapists |

| Course | 2013 Tuition Fee (per year) | Duration | Campus | Mid-Year Intake | English Band Level | Minimum Prerequisites |
|--|-----------------------------|----------|---------------|-----------------|--------------------|---|
| Bachelor of Pharmacy [see p. 29] | \$24,000 | 4 | T | No | 3a | Chemistry, Maths B |
| Bachelor of Physiotherapy [see p. 30] | \$23,000 | 4 | T | No | 3a | Maths B plus one of: Chemistry, Biological Science, Physics, Maths C, Health Education or Physical Education |
| Bachelor of Physiotherapy with Honours (Graduate Entry) [see p. 30] | \$23,000 | 1 | T | Yes | 3a | Successful completion of a pass degree in Physiotherapy |
| Bachelor of Planning [see p. 38] | \$24,500 | 4 | T,C | Yes | 1 | |
| Bachelor of Psychology [see p. 16] | \$21,000 | 4 | T,C | Yes | 1 | |
| Bachelor of Science [see p. 30] (Biochemistry and Molecular Biology, Chemistry, Genetics and Genomics, Microbiology, Pharmacology, Physiology) | \$24,500 | 3 | T,C** | Yes# | 1 | Chemistry, Maths B |
| Bachelor of Science [see p. 38] (Aquaculture, Ecology and Conservation, Environmental Science, Environmental and Marine Geosciences, General, Geography, Geology, Marine Biology, Mathematics, Physics, Zoology) | \$24,500 | 3 | T,C** | Yes# | 1 | Chemistry, Maths B |
| Bachelor of Science/Bachelor of Laws [see p. 38/23] | \$24,500 | 5 | T,C** | Yes | 2 | Chemistry, Maths B |
| Bachelor of Social Science [see p. 17] (Asia Pacific Governance and Development, Environment and Heritage, Social and Criminal Justice, Tropical Health and Society) | \$19,000 | 3 | T,C | Yes | 1 | |
| Bachelor of Social Work [see p. 17] | \$19,000 | 4 | T,C,External* | Yes | 3a | |
| Bachelor of Speech Pathology [see p. 32] | \$23,000 | 4 | T | No | See notes | IELTS requirement - overall of 7.0 with minimum of Writing 6.0, Speaking 8.0, Reading 7.0, Listening 7.0 |
| Bachelor of Speech Pathology with Honours (Graduate Entry) [see p. 32] | \$23,000 | 1 | T | Yes | See notes | Successful completion of pass degree in Speech Pathology IELTS requirement - overall of 7.0 with minimum of Writing 6.0, Speaking 8.0, Reading 7.0, Listening 7.0 |
| Bachelor of Sport and Exercise Science [see p. 32] | \$22,000 | 3 | T,C | No | 2 | |
| Bachelor of Sport and Exercise Science/Bachelor of Business [see p. 32/20] | \$22,000 | 4 | T,C | No | 2 | |
| Bachelor of Sport and Exercise Science/Bachelor of Education [see p. 32/16] | \$22,000 | 5 | T,C | No | 4 | |
| Bachelor of Sustainability [see p. 41] (Business, Science, Social Science) | \$24,500 | 3 | C | Yes | 1 | |
| Bachelor of Veterinary Science [see p. 33] | \$44,000 | 5 | T | No | 3a | Chemistry, Maths B |
| DIPLOMAS | | | | | | |
| Diploma of Arts [see p. 17] | \$19,000 | 1 | T,C | Yes | 1 | |
| Diploma of Business [see p. 25] | \$21,000 | 1 | T,C | Yes | 1 | |
| Diploma of Creative Arts [see p. 25] | \$21,000 | 1 | T,C | Yes | 1 | |
| Diploma of Information Technology [see p. 25] | \$21,000 | 1 | T,C | No | 1 | |
| Diploma of Introductory Engineering Studies [see p. 41] | \$25,500 | 1 | T,C | Yes | 1 | |
| Diploma of Science [see p. 41] (Aquaculture, Ecology and Conservation, Environmental and Marine Geosciences, Environmental Science, Geography, Geology, Marine Biology, Physics, Zoology) | \$24,500 | 1 | T,C** | Yes | 1 | |
| STUDY ABROAD | | | | | | |
| JCU Study Abroad Program (Semester) [see p. 43] | \$8,700*** | 0.5 | T,C | Yes | 1 | |
| JCU Study Abroad Program (Full Year) [see p. 43] | \$17,400*** | 1 | T,C | Yes | 1 | |

*Campus availability: T = Townsville; C = Cairns;
For Singapore campus offerings see page 8, For Brisbane campus offerings see page 9.

* Offered in external mode

** Not all majors available at all campuses

*** 2012 fees and will subject to change

Not all majors available for mid-year entry

~ Mid year entry not available at Cairns Campus

Maths B is a senior high school maths and pre-requisite for any tertiary course which deals with or uses math and/or science.

English Band Level information can be found on page 47.

**NEED
MORE
INFO?**

Visit the Courses and Degrees website
www.jcu.edu.au/courses



Sharon Naesol

Solomon Islands

**Bachelor of Social Science
(Asia-Pacific Governance and
Development)**

Along with a unique learning environment that encourages creativity and independent thinking, JCU offered me the right choice of degree and variety of subjects to choose from. My lecturers, tutors and classmates were all very friendly and helpful assisting international students (like me) to adjust to the Australian way of life. Lecturers are easily reachable through phone calls, emails and with JCU's international student diversity they're experienced in teaching students from many different countries.

I really enjoyed campus life here at JCU. There's plenty of support and facilities available but in particular the social and cultural activities organised by the University was what I liked most. I had fun travelling around meeting new friends and the feeling of being in another new culture was a life experience I will never forget.

Faculty of Arts, Education and Social Sciences



The Faculty of Arts, Education and Social Sciences has a broad charter and brings together disciplines and professions from the humanities and social sciences. Students in this diverse Faculty gain important academic and life skills.

As a student in this Faculty you will learn to be an effective communicator, creative analyst and problem solver. You will be able to access information and research topics effectively, and have a sound appreciation of other cultures and societies. You will understand the significance of becoming a life-long learner and be encouraged to work independently and take responsibility for your own learning.

Graduates from the Faculty find interesting and rewarding careers across a wide range of areas including media, publishing and advertising, in government departments and non-government organisations, in research, in health, education and welfare services, teaching in schools and the tertiary sector, in policy, community development, and public and foreign affairs.

The Faculty actively pursues research in its designated area of strength 'People, Identity and Place', which examines social, cultural and political issues that apply to individuals, communities and regions, particularly the tropics. Our students and staff come from many different countries and cultures, and take a global perspective on learning.

Undergraduate Study Areas

- Anthropology
- Archaeology
- Asia Pacific Governance and Development
- Criminology
- Education
- English
- Environment and Heritage
- Environmental Studies
- French
- Geography
- German
- History
- Human Services
- Indigenous Australian Studies
- Italian
- Japanese
- Multimedia Journalism
- Media and Writing
- Political Science
- Psychology
- Screen Studies
- Social and Criminal Justice
- Social Science
- Social Work
- Sociology
- Tropical Health and Society

www.jcu.edu.au/faess

BACHELOR OF ARTS

The Bachelor of Arts (BA) is a flexible degree allowing students to tailor a program to suit their individual career aspirations. Arts graduates find careers in the private and public sector in many diverse roles. Specialisations are available in

- Anthropology
- Archaeology
- Criminology
- English
- Environmental Studies
- Geography
- History
- Human Services
- Indigenous Australian Studies
- Media and Writing
- Political Science
- Psychology
- Screen Studies
- Sociology

Students can take single or double majors. It is possible for students to choose subjects from complementary disciplines from other JCU programs. Combining the BA with professional degrees in law, education, science or business gives complementary skills valued by employers.

Regardless of the major or specialisation chosen the Bachelor of Arts consists of common first year core subjects that include

- Time, Truth and the Human Condition
- Our Space: Networks, Narrative, and the Making of Place

In addition to core subjects, students complete subjects required for their chosen major plus electives.

Anthropology

Course highlights

A priority in teaching Anthropology at JCU is to provide students with a wide range of skills and experience. One such skill includes fieldwork, which is research outside of the conventional classroom.

Career opportunities

Anthropologists work in museums, universities, government departments and special research institutes. Government departments and non-government organisations give high priority to anthropological qualifications in recruiting for projects within Australia and overseas with, for example, the Department of Foreign Affairs and Trade and aid agencies.

A selection of subjects for this major include

- Medical Anthropology
- Myth and Ritual

- Culture, Knowledge and Environment
- Sex, Drugs and Human Nature
- Anthropology of Violence

Archaeology

Course highlights

Archaeology students at JCU have access to world-class, in-house geophysics equipment. You can participate in site visits and fieldwork projects throughout northern Queensland. An archaeological field laboratory on the Townsville campus provides experience in field techniques.

Career opportunities

Archaeology graduates pursue careers in universities (as teachers and/or researchers), museums and interpretive centres, forensic science laboratories, government departments, local councils, and communities charged with heritage protection and management.

A selection of subjects for this major include

- Peoples of the Coast and Sea
- Australia through Time and Place
- Archaeology of the Near East, Egypt and the Classical World
- Hominoid Evolution
- Forensic Archaeology

Criminology

Course highlights

This course combines the study of sociology, social work, law, anthropology, Indigenous affairs and psychology. Criminology is a field of social science that focuses on: the causes of crime; crime prevention; the systems of social control; and the treatment, rehabilitation and punishment of criminals.

Career opportunities

Criminology graduates can pursue careers with a variety of organisations including: police services (federal and state); correctional services departments (for example, as parole officers); correctional facilities; juvenile justice organisations; justice departments; communities departments; and community organisations.

A selection of subjects for this major include

- Perspectives on Criminology
- Youth Deviance
- Green Criminology
- Crime Prevention and Community Safety

Environmental Studies

Course highlights

Students at JCU have access to some of the most spectacular

environments on earth, including the World Heritage listed Great Barrier Reef and the rainforests of the Wet Tropics, tropical savanna, and wetland environments. Students also benefit from JCU's close links with leading environmental management agencies.

Career opportunities

Graduates can pursue careers that require an interdisciplinary understanding of the environment and society. They may find employment in areas including environmental education, environmental consultancy as well as public and private organisations with responsibilities for ecologically sustainable development.

A selection of subjects for this major include

- Introduction to Environmental Economics
- Environmental Law and Policy
- Environmental and Regional Planning
- Environmental Impact Assessment
- Environmental Impacts of Human Activities in Protected Areas

English

Course highlights

The English major at JCU is one of the more traditional of its kind in Australia. Graduates consistently rate the English major at JCU very highly for its intellectual interest and the enthusiastic commitment of its staff. No other course provides training in these abilities in such an approachable and enjoyable package, making it an excellent choice.

Career opportunities

The excellent analytical and writing skills of English graduates prepares them for careers in journalism, editing and publishing, creative writing, research, librarianship, public relations, advertising, scriptwriting, theatre and television work, and (with additional qualifications) teaching in all educational settings.

A selection of subjects for this major include

- Creative Writing
- Australian Literature
- American Literature
- Heroism and Humanism: Shakespeare and the English Renaissance
- Postcolonial Narratives: Writing, Place, Identity

Geography

Course highlights

Students at JCU have access to

some of the most spectacular environments on earth including the Great Barrier Reef, World Heritage listed rainforests of the wet tropics, tropical savanna and wetland environments. Students also benefit from JCU's close links with leading resource management agencies.

Career opportunities

Geographers are 'big picture' professionals. They work for government or non-government agencies with interests in local and regional planning, disaster planning, population planning and protected area management.

A selection of subjects for this major include

- Cradle to Grave: Population, Economy and the Environment
- Introduction to Geographic Information Systems
- Terrestrial Resource Management
- Coasts and Catchments: Geomorphology and Management
- Social Impact Assessment: Environmental Management
- Disasters: Vulnerability, Mitigation and Planning

History

Course highlights

Studying past social and cultural conditions along with political and economic events can reveal special insights into the world around us. History graduates develop skills and insights for careers that demand high levels of research and communication.

Career opportunities

History graduates are successful in careers that require in-depth research, writing and public presentation including: museums and archives; government policy, practice and law; publishing; journalism; heritage; and teaching. Historians also work as independent consultants and as researchers.

A selection of subjects for this major include

- Globalisation - Historical Perspectives
- Environmental History
- Australian and Pacific Exploration
- Nationalism in the Modern World
- History of Terrorism

Human Services

Course highlights

This course provides students with practical experience in addition to theoretical knowledge. Highly qualified professionals teach field



trips, individual and group projects and subjects in practical skills.

Career opportunities

Human Services graduates are employed in government and non-government agencies and large corporations in areas including social policy, organisational practice and social responsibility, community planning, development and disaster relief, allied health and community services.

A selection of subjects for this major include

- Interpersonal Practice
- Professional Values and Ethics
- Organisational Practice
- Community Work
- Developmental Approaches to Eco-Social Justice
- Working in Child and Family Welfare
- Rural Welfare

Indigenous Australian Studies

Course highlights

Through collaboration with Indigenous communities, the Bachelor of Arts (Indigenous Australian Studies) offers first-hand experience of the diversity of Indigenous life in northern Australia.

Career opportunities

This is an employment-orientated course that equips Indigenous and non-Indigenous peoples to work with Aboriginal and/ or Torres Strait Islander people.

A selection of subjects for this major include

- Indigenous Australian World Views

- Black Writers
- Ecology and Australian Indigenous Cultures
- Australian Indigenous Politics
- Impact of Change on Indigenous Peoples: A Global Perspective
- Indigenous Family Wellbeing and Community Development
- Media and Race Relations

Media and Writing

Course highlights

This course offers you the opportunity to gain skills across the areas of media, public relations, journalism and writing. Students can elect to undertake this program as a stand-alone course, or as part of a double degree. This course will allow students to add to their professional and vocational skills to make them work ready. Designed and taught by academic staff, including widely published authors and journalists, the Bachelor of Arts (Media and Writing) will prepare you for a career as an independent writer, professional communicator and/or public relations specialist.

Career opportunities

Through the study of a variety of writing skills, students can prepare for careers in government, non-government organisations, lobby groups and environmental agencies, as media advisors, editors, fiction or non-fiction writers, literary agents and copywriters. Journalism and writing skills, plus an ability to speak the languages of news and public relations will greatly enhance career prospects.

A selection of subjects for this major include

- Creative Writing

- Reading and Writing the Short Story
- Writing for Print
- Time, Truth and the Human Condition
- Feature Writing
- Our Space: Networks, Narrative and the Making of Place

Political Science

Course overview

This course combines the study of politics and public policy with comparative government and international relations. Students explore politics from social, historical, economic and legal perspectives, and examine the complex interactions between the domestic and international affairs of nations.

Career opportunities

Political Science graduates analyse and provide strategic advice on domestic and international affairs and policy for governments, industry and non-government organisations.

A selection of subjects for this major include

- Policy Analysis and Management
- Governance, Democratisation and the State
- Government and Politics in Developing Areas
- International Relations and Foreign Policy
- Australia and World Politics
- Governing Australia

Screen Studies

Course highlights

An Arts degree with a major in Screen Studies encompasses

all forms of screen media, from print, television, film, video, computer games and the internet. Students will gain skills in writing and researching screen media and become informed about industry conditions. Literature and new media subjects are also optional. Double majors are available with a range of other study areas, including (but not limited to) anthropology, English, environmental studies, geography, history, media and writing, psychology and sociology.

Career opportunities

This major will equip students for careers in the media as creative, research, and production-support staff as well as cinema-related roles such as script writing, script editing or film reviewing; with additional qualifications students may enter film production, journalism or public relations. It is an exciting area of study in its own right, with opportunities for students to pursue their own creative interests.

A selection of subjects for this major include

- Time, Truth and the Human Condition
- Studies in Film and Place
- Our Space: Networks, Narrative and the Making of Place
- The Haunted Screen: Dark Visions in Cinema
- Science Fiction, Fantasy and Popular Culture
- Crime, Media and Popular Culture

Sociology

Course highlights

This is a flexible course that allows you to choose whether to

undertake a single specialisation or to follow a more general program.

Career opportunities

Governments and non-government organisations apply the work of sociologists for policy analysis and development. Market research organisations also employ sociologists to assist in the understanding of diverse markets for different products and/or services.

A selection of subjects for this major include

- New Forms of Work, Organisation and Career
- Sociology of Health and Medicine
- Gods, Myths and Cults
- Power and Protest in a Globalising World
- Youth Identity and Popular Culture
- Family, Gender and Sexuality in Contemporary Society

BACHELOR OF EDUCATION

Upon successful completion students will be eligible to register with the Queensland College of Teachers or apply for local registration in their home country (local requirements for teacher registration apply). Students can specialise in the following education sectors

- Early Childhood (children aged 0 – 7)
- Primary (children aged 5 – 12)
- Primary – Special Needs
- Middle School (children aged 9 – 13)
- Secondary (adolescents aged 12 – 18)
- Primary or Secondary Physical Education

This course can be taken jointly with bachelor degrees in arts, languages, psychology, science and sport and exercise science.

Early Childhood

Course Highlights

Students will enjoy innovative teaching methods including online delivery of subjects. Gaining professional experience in schools is integral for education students at JCU and commences in the first year of study. This involves practical work in schools and a variety of other educational sites in rural and remote locations as well as wider community settings. Many JCU graduates have taken the opportunity to travel and teach in Europe, Asia and North America.

Primary

Course Highlights

Gaining professional experience is integral for education students and at JCU placements commence in the first year of study. This involves practical work in schools and a variety of other educational sites in rural and remote locations as well as wider community settings, with some options for international experiences.

Primary – Special Needs

Course Highlights

Special Needs teachers work with children with learning difficulties to improve a broad range of skills including self awareness, life skills, literacy and numeracy. This program focuses on years 1-7 and develops a range of skills to support students with special needs in primary school settings.

Middle School

Course Highlights

Students in the middle phase of learning have distinctive and diverse needs. This course focuses on teaching years 4-9 and graduates are equipped to teach across a range of curriculum areas in both primary and secondary schools.

Secondary

Course Highlights

Secondary Education focuses on students who are 12 to 18 years old. This involves practical work in schools and a variety of other educational sites in rural and remote locations as well as wider community settings. Many JCU graduates have taken the opportunity to travel and teach in Europe, Asia and North America.

Primary Physical Education or Secondary Physical Education

Course Highlights

This course focuses on teaching health and physical education to either years 1 - 7 (Primary) or years 8 - 12 (Secondary). Students studying these majors study with JCU's well-equipped Institute of Sport and Exercise Science.

BACHELOR OF LANGUAGES

The Bachelor of Languages is a four-year course, with a study abroad year between years 2 and 3 at an approved overseas university. Language specialisation is available in the following fields:

- French
- German
- Japanese
- Italian

This course can also be studied jointly with the Bachelor of Education (primary or secondary majors).

BACHELOR OF MULTIMEDIA JOURNALISM

The Bachelor of Multimedia Journalism is a ground-breaking course which provides the digital media skills required by today's converged newsrooms. This course provides an innovative program of study to meet the changing media landscape and prepares students to tell stories using video, audio and text.

Course highlights

Field work is very important in this course and requires the completion of two professional practices subjects in the final year. Students will also prepare their own stories to be published on a digital media platform.

Career opportunities

Students will have a portfolio of work at the end of their course, which will prepare them for the media industry. Graduates can expect to find employment as journalists, communication officers, web development managers, advocacy officers and communications consultants who are multi-skilled in many of these areas.

A selection of subjects for this course include

- Writing Convergent Stories
- Photographic Capture
- The Journalist and Society
- Media Law

- Introduction to Broadcast Journalism
- Digital Storytelling
- Multimedia Production
- Interactive Media Design or Digital Music Technology
- Photojournalism
- Media Editing
- Video Journalism
- Ethics in Journalism
- Investigative Features

BACHELOR OF PSYCHOLOGY

Accredited by the Australian Psychology Accreditation Council (APAC), this four-year course allows graduates to apply for provisional registration with the Psychology Board of Australia. Students of psychology can specialise in a broad range of areas to become either professional or academic psychologists.

This course can be taken jointly with the Bachelor of Business.

Course highlights

JCU's Bachelor of Psychology places a strong emphasis on students being actively engaged in research. Students are encouraged to participate in research projects during their fourth year with postgraduate students and staff.

Career opportunities

Graduates who have completed the APAC accredited, four-year Bachelor of Psychology program are eligible for associate membership with the Australian Psychological Society. To progress your career as a professional psychologist requires an additional two years of postgraduate study or a two-year internship.



A selection of subjects for this course include

- Exploring Psychology
- Australian People: Indigenous and Anthropological Perspectives
- Australian Society: An Introduction to Sociology
- Describing and Analysing Behaviour
- Brain and Behaviour
- Health Psychology
- Evolution of Behaviour
- Forensic Psychology
- Personality and Individual Psychology
- Cognitive Neuroscience: The Biology of Mind
- Advanced Health Psychology
- Social Psychology
- Principles of Counselling
- Behaviour in Organisations

BACHELOR OF SOCIAL SCIENCE

The Bachelor of Social Science is a flexible course focused on culture, society, political systems and how we as individuals, make sense of our world. With a background in these fundamental issues your career options are endless, with social scientists employed in social planning, international aid, cultural heritage, environmental management and allied health professions including counselling, welfare, health policy and promotion. Majors include Asia-Pacific governance and development, environment and heritage, social and criminal justice and tropical health and society.

Regardless of the major or specialisation chosen the Bachelor of Social Science consists of common first year core subjects that include

- Computing Skills for Social and Behavioural Sciences
- Australian People: Indigenous and Anthropological Perspectives
- Social Sciences Field Placement
- Qualitative Research
- Describing and Analysing Behaviour or Social Survey Design and Analysis

Asia-Pacific Governance and Development

Course highlights

Asia-Pacific Governance and Development takes a multi-disciplinary approach and students explore culture, political systems, societies and how we as individuals make sense of the world.

Career opportunities

Social science graduates are equipped to critically analyse information and conduct research that can make a difference at local, national or international level.

A selection of subjects for this major include

- Nationalism in the Modern World
- Globalisation - Historical Perspectives
- Governance, Democratisation and the State
- Tourism Issues in Developing Countries
- Developmental Approaches to Eco-Social Justice

Environment and Heritage

Course highlights

Students at JCU have access to some of the most spectacular environments on earth, including the world heritage-listed Great Barrier Reef and the rainforests of the wet tropics, tropical savanna, and wetland environments.

Career opportunities

Graduates have skills that are transferable across many sectors including government, education, the arts, business, and industry.

A selection of subjects for this major include

- Culture, Knowledge and Environment
- Australia Through Time and Place
- Environmental History
- Environmental Law and Policy
- Policy Analysis and Management
- Environmental Psychology
- Developmental Approaches to Eco-Social Justice

Social and Criminal Justice

Course highlights

Social and Criminal Justice students undertake field placements in a variety of roles in criminal justice agencies and community-based agencies concerned with social justice.

Career opportunities

The skills acquired in this program are particularly attractive to a broad range of employers interested in graduates with critical thinking, analytical skills and problem solving abilities.

A selection of subjects for this major include

- Forensic Archaeology
- Crime, Media and Popular Culture
- Perspectives on Criminology
- Youth Deviance
- History of Terrorism

- Policy Analysis and Management
- Power and Protest in a Globalising World

Tropical Health and Society

Course highlights

As a student of Tropical Health and Society you will benefit from JCU's strong research presence in northern Queensland's health and welfare sectors.

Career opportunities

Tropical Health and Society graduates will be qualified to work in Australia, the Asia Pacific and many other regions of the world.

A selection of subjects for this major include

- Medical Anthropology
- Health Promotion for Health Professionals
- Rural and Remote Primary and Public Health Care
- Ecology and Australian Indigenous Cultures
- Health Psychology
- Sociology of Health and Medicine

BACHELOR OF SOCIAL WORK

This program places a strong emphasis on professional practice. Supervised field placements with social welfare agencies during the third and fourth years of study ensure that students have substantial opportunity for developing professional skills in the field. The Bachelor of Social Work is a professional four-year degree accredited by the Australian Association of Social Workers.

This course can be taken as a joint degree with the Bachelor of Arts.

Course highlights

JCU's Bachelor of Social Work places a strong emphasis on professional practice experience. Supervised field placements with social welfare agencies during the third and fourth years of study ensure that students have substantial opportunity for developing professional skills in the field.

Career opportunities

Career prospects for social workers are strong. They can pursue careers in either human services or social policy research and development.

They work for government and non-government agencies and communities, or work in private practice, providing counselling, advocacy and support services.

A selection of subjects for this course include

- Self in Professional Helping
- Australian Society: An Introduction to Sociology
- Human Rights and Social Issues
- Psychology for Social Welfare Practice
- Field Education
- Developmental Approaches to Eco-Social Justice
- Social Work and Mental Health
- Theories for Social Work Practice
- Social Inquiry Analysis

JCU DIPLOMA (PATHWAY) PROGRAMS

Diplomas are generally designed for people who do not have the academic entry requirements for their preferred course and need a pathway course.

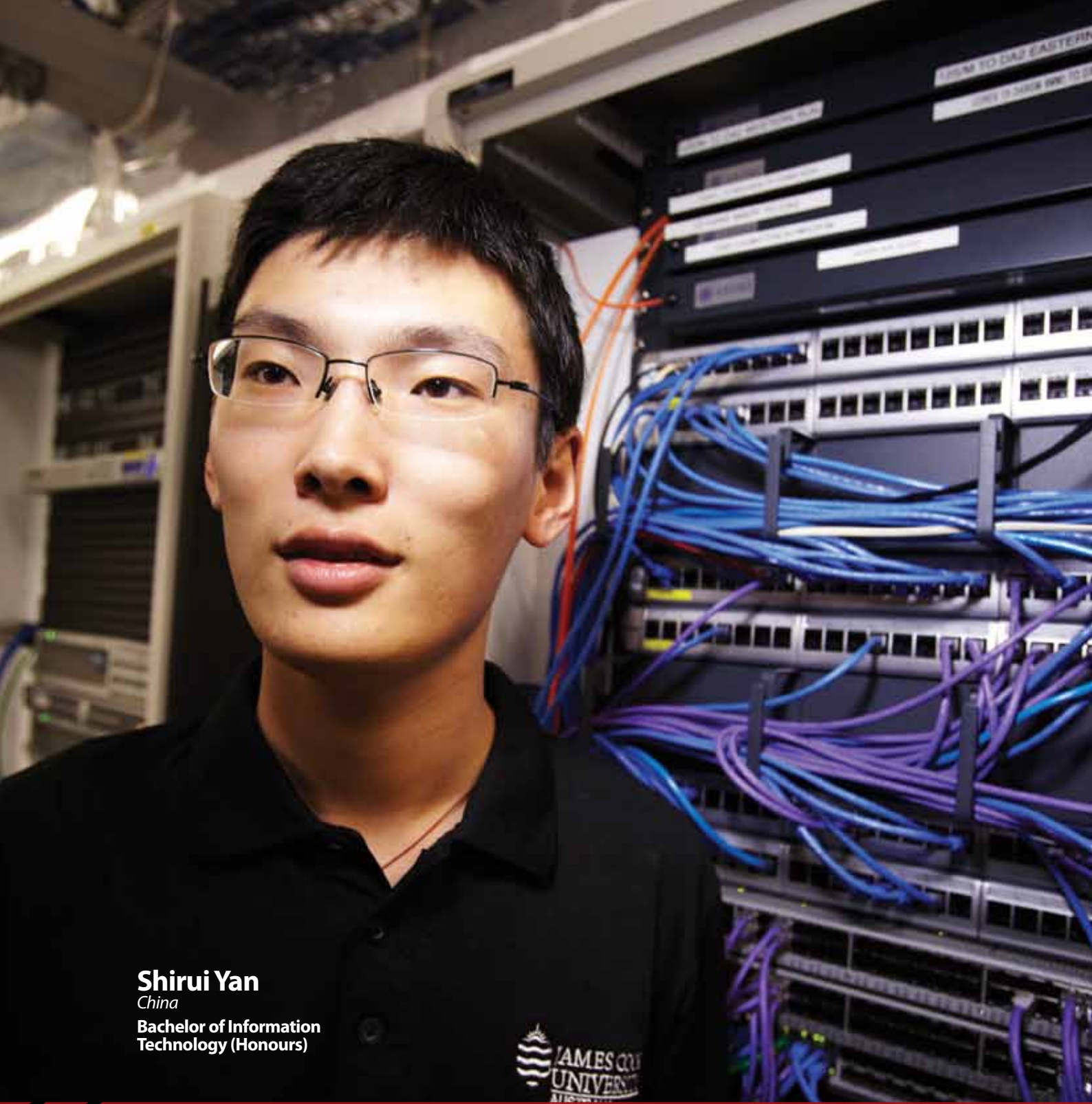
DIPLOMA OF ARTS

The Diploma of Arts is a one-year program. It includes introductory subjects in the arts, humanities and social sciences. Successful completion of the Diploma will lead to entry to a range of degrees within the Faculty of Arts, Education and Social Sciences.

* **Note:** Students wishing to enter any Bachelor of Education programs after completion of the diploma still need to show evidence of English language equivalent to IELTS 7.0

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Shirui Yan

China

**Bachelor of Information
Technology (Honours)**



“

James Cook University has been great for me. JCU offers the perfect balance of an internationally recognised university, located in a beautiful and natural setting, with great lifestyle and friendly people. JCU's courses provide the skills, knowledge and facilities required for me to either further my studies through to PhD, or directly pursue a career in the IT industry. The quality of education has been excellent and the flexibility in programs and timetabling is a stand out for me. JCU's flexible timetable allows students to undertake extra activities outside of study. This flexibility has helped me become awarded Microsoft's Most Valuable Professional (globally) twice.

”

Faculty of Law, Business and the Creative Arts



Students enrolling in the Faculty are presented with a number of programs which develop career opportunities in the creative industries and new media arts, law, business, accounting and finance, information technology, tourism management, sports and event management and the hospitality industry.

A diverse range of disciplines is offered through the Faculty, which comprises the following Schools

- School of Business
- School of Law
- School of Creative Arts

The School of Business is one of the largest schools within JCU. Popular areas of undergraduate study include accounting, economics, finance, human resource management, information technology, international business, management, marketing, sports and events management and tourism management.

The School of Law provides students with a solid foundation in traditional law subjects, along with an exciting and broad-ranging elective program. The School is proud of its community links and is strongly supported by the legal profession.

The School of Creative Arts provides students with the opportunity to achieve their creative potential. Undergraduate studies are available in both Cairns and in Townsville. Creative Arts students in Townsville are taught in a \$10 million purpose built creative arts facility equipped with modern 21st century multimedia laboratories. Use of the multimedia equipment is free for all students and access to laboratories is available 24 hours a day.

Undergraduate Study Areas

- Accounting
- Business (Multidisciplinary)
- Business Informatics
- Business Law
- Communication Design
- Computing and Networking
- Contemporary Theatre
- Economics
- Financial Management
- Human Resource Management
- Illustration and Visual Media
- Interactive Technologies and Games Design
- International Business
- Law
- Management
- Marketing
- Media Design
- Music and Sound Media
- Performance
- Photomedia
- Sports and Events Management
- Tourism Management
- Visual Arts

www.jcu.edu.au/flbca

BACHELOR OF BUSINESS

For 2013 the School of Business is planning to offer a Bachelor of Business that will provide you (as a graduate) with significant greater industry relevant knowledge, skills and experience to assist your transition into the professional business world. Early in 2012 updates on the specific business majors and the degree structure will be available. Information provided in this brochure will give you an insight into areas of business study but specific majors and subjects may change.

JCU's Bachelor of Business is a flexible course that offers a wide range of majors or specialisations. Students can choose to complete a general business degree, a single business major or a double major. All students in the Bachelor of Business complete a common first year of foundation business subjects. This means that you are not locked into a major until the end of the first year of study.

All business students are encouraged to undertake work integrated learning projects as these allow application of business theory and gaining of practical skills. The following majors are available

- Accounting
- Business Law[^]
- Communication Design[^]
- Economics
- Financial Management
- Human Resource Management
- International Business
- Management
- Marketing
- Multidisciplinary
- Sports and Events Management
- Tourism Management

[^] Only available as a second major

It is also possible to study a number of double degrees at JCU – gaining two qualifications in a shorter amount of time. The Bachelor of Business can also be combined as a joint degree with arts, law, sport and exercise science and psychology.

Regardless of the major or specialisation chosen the Bachelor of Business consists of common first-year subjects that include

- Business Data Analysis
- Accounting for Decision Making
- Economics for Business
- Management, People and Organisations
- Personal and Professional Skills in Business

- Managing the Customer Experience[#]
- Marketing Fundamentals[#]

In addition to core subjects, students complete subjects required for the chosen major plus electives.

[#] Students must do one of, desirably both, Managing the Customer Experience and/or Marketing Fundamentals

Accounting

Course highlights

This program is for students wishing to become professionally qualified accountants. It is fully accredited with the Institute of Chartered Accountants Australia (ICAA) and CPA Australia (Certified Practising Accountant) and upon graduation students are eligible for membership of these professional bodies. This course also equips graduates with broad business skills for a range of business careers.

Career opportunities

Accounting graduates are in demand around Australia and the world. They enjoy and progress through a wide range of employment opportunities in the public and private sectors including: public accounting practice, financial and management accounting, systems accountant, financial officer, chief executive officer, financial analyst, management consulting, stockbroker, merchant banker, financial institutional manager, policy advisor, taxation and financial planning, and corporate bankruptcy, insolvency and recovery.

A selection of subjects for this major include

- Accounting Principles and Systems
- Strategic Resource Management
- Auditing
- Contemporary Issues in Accounting
- Performance Management and Control
- Company Accounting
- Business Information Systems
- Business Law and Ethics
- Financial Management
- Business Modelling
- Law of Business Organisations
- Taxation

Economics

Course highlights

Students study problems associated with the labour market, human resource management, exchange rates, profitability, politics, social welfare, financial fragility and the environment. The course offers choice and flexibility. You

can enhance your economics expertise by including other specialist subjects in economics and econometrics.

Career opportunities

The skills acquired by graduates in this area are like an economic toolkit – one that can be used to help solve problems associated with a huge variety of issues. Given this solid base it is not surprising to find that JCU Economics graduates are very successful in finding employment as professional economists in a range of areas including: consulting, economic policy development, economic modelling, investment and trade, banking (merchant, trading and reserve), natural resources and agriculture, non-government agencies, private industry, federal, state and local government departments, research organisations and universities.

A selection of subjects for this major include

- Macroeconomics Policy
- Managerial Economics
- Economic Growth and Regional Development
- Contemporary Economic Policy and Social Welfare
- International Trade
- Econometrics / Forecasting

Financial Management

Course highlights

Students discover how to create and manage wealth in today's globalised economy. Graduates are equipped with expert knowledge of financial and capital markets with a focus on decision-making within those markets and how values or prices of financial assets are determined. Studies are concerned with investment decisions, financing decisions of a firm and the development of risk hedging strategies so as to minimise the damaging effects of adverse movements in share prices, interest rates, exchange rates and other uncertainties.

Career opportunities

As a graduate with a major in Financial Management, you will have the financial expertise to pursue a broad range of successful careers, for example, a banker, compliance officer, financial manager, financial analyst, financial planner, financial institution manager, fund manager, investment analyst, investment banker, stockbroker and financial researcher.

A selection of subjects for this major include

- Multinational Business Finance
- Project Evaluation
- Financial Institutions and Markets
- Advanced Business Modelling
- Personal Portfolio Management
- Financial Institutions and Markets

Human Resource Management

Course highlights

You will learn how to harness your people skills to hire, promote and develop the right management and staff. Specialist studies in areas of strategic human resource management, recruitment, training and development, employee relations and remuneration are integrated with general business subjects to ensure students develop relevant managerial skills alongside a broader business education.

Career opportunities

The significance and gravity of workplace legislation such as workplace health and safety and equal employment opportunity have increased demand for experienced human resource specialists.

A selection of subjects for this major include

- Strategic Human Resource Management
- Cross Cultural Management
- Personnel Economics
- Contemporary Issues in Human Resource Management
- Business Negotiations
- Employee Relations

International Business

Course highlights

Globalisation, global commerce and the development of communication technologies mean many businesses are now operating internationally. You will learn how to understand the advantages, challenges and issues of doing business and managing organisations in a complex and uncertain global business environment and how to operate in this marketplace. You will graduate with an internationally recognised business qualification.

Career opportunities

As a graduate you will have a unique edge in pursuing a broad range of successful careers in foreign affairs and trade, manager of country or regional operations, international management consultant or in managerial roles



in export/import, international operations, international marketing, logistics manager, global products and international business strategy.

A selection of subjects for this major include

- Business Negotiation
- Operations Management
- Strategic Management
- International Business
- International Marketing
- Cross Cultural Management

Management

Course highlights

This course can be your launching pad for a successful career in business management. Management subjects have been designed after extensive consultation with prospective employers and industry to give you a competitive edge in the business world and international job market.

Career opportunities

As a graduate with a major in Management, you can pursue a broad range of careers including: chief executive officer, business manager, business consultant, entrepreneur, administrative officer and senior executive officers or senior management roles in areas such as strategic planning, total quality management/operations, public relations, advertising, human resources and finance.

A selection of subjects for this major include

- Operations Management
- Service Quality Management
- Cross Cultural Management
- Organisational Change
- Managing Small and Medium Enterprises

- Strategic Management

Marketing

Course highlights

You will study the practical aspects of developing and implementing marketing strategies and campaigns, using real life case studies to explore the role that marketing plays in building profitable organisations. In addition to examining best practices and techniques, you will learn how companies undertake market research in order to make informed decisions. If you intend to pursue a career in business, a good understanding of market research is fundamental.

Career opportunities

Business graduates with a major in Marketing pursue a broad range of successful careers including: advertising executive, brand or product manager, direct marketing consultant, electronic marketer, interactive marketer, international marketing consultant, market researcher, marketing coordinator or public relations officer. Graduates also undertake managerial roles in marketing, sales, customer service management and international marketing.

A selection of subjects for this major include

- Consumer Behaviour
- Marketing Communications
- Interactive Marketing
- Strategic Marketing
- International Marketing
- Marketing Fundamentals
- Public Relations or Service Industries Marketing

Sports and Events Management

Course highlights

This is a strong industry-based course designed to provide graduates with both the theoretical knowledge and practical management skills required to pursue a career in sports and events management. Local industry contacts provide the opportunity for students to hear from guest lecturers and take behind the scenes tours to sporting venues. This innovative program is suitable for individuals interested in the operational, supervisory, middle and senior levels of sports and events management.

Career opportunities

The industry of professional sports and events management is growing rapidly and graduates are in high demand in a wide range of areas including: community and corporate events management, concert management, conference, meetings and convention management, event and festival management, sport and entertainment law, government and public service, player, team and venue management, recreational and leisure clubs, sports goods organisations, sports administration, sports and conference facilities management, sports marketing, amateur sport organisations and non-profit organisations.

A selection of subjects for this major include

- Sports Management
- Club and Gaming Management
- Conference and Events Management
- Business Negotiation

- Service Quality Management
- Public Relations Campaigns
- Sport and Entertainment Law

Tourism Management

Course highlights

JCU is internationally recognised for its leadership in tourism education and the university's tourism scholars have been ranked amongst the top tourism academics in the world. Northern Queensland is a leading tourist destination with excellent practical experience opportunities on offer including field trips, industry placements with the local industry, involvement in course development and providing guest lectures.

Career opportunities

Tourism incorporates all the sectors that serve the needs of visitors including theme parks, hotels, airlines, casinos, clubs, restaurants, attractions, visitor centres, research and education, government travel and tourism policy, environmental management, retail travel, conference and events management and other related sectors.

A selection of subjects for this major include

- Tourism Management
- Tourist and Leisure Behaviour Management
- Tourism and the Environment
- Conference and Event Management
- Destination Management
- Tourism Policy and Planning

Business Law^A

Course Highlights

You will gain an understanding of the impact of law on business activity. This adds value to any business degree by providing a

framework for developing legal research and reasoning skills, understanding the connections between the law and ethical behaviour in business, and developing an awareness of risk and legal compliance issues. Subjects include taxation law, bankruptcy and insolvency, commercial law, company law, corporate investigation, industrial relations law and alternative dispute resolution.

Career opportunities

Business Law is only available as a second major in conjunction with a primary Bachelor of Business major. Career outcomes will depend on your primary major, but could include administration of government departments and statutory authorities (including policy, administration, research and community education), business consulting, human resources, banking and insurance.

Communication Design[^]

Course Highlights

The ability to use new media technologies to gather, manipulate and present information is a key skill for business professionals. This secondary major includes studies in graphic design, digital media communication, web authoring, time based digital media, and information and publication design.

Career opportunities

Communication Design is only available as a second major in conjunction with a primary Bachelor of Business major. Career outcomes will depend on your primary major.

BACHELOR OF CREATIVE INDUSTRIES

This Cairns based course is designed to produce graduates with broad-based creative arts and business expertise required for the contemporary creative industries. Majors within the Bachelor of Creative Industries are: Media Design, Performance and Visual Arts. Practical placements with local organisations are available, giving students real world experience and valuable networking opportunities.

Regardless of the major or specialisation chosen Bachelor of Creative Industries core subjects include

- Digital Media Tools
- Photography
- Effective Speaking
- Arts in Perspective
- Art, Artist, Environment
- Creative Industries
- The Reflective Practitioner
- Professional Practice

In addition to core subjects, students complete subjects

required for the chosen major plus electives.

Media Design

Course highlights

Media Design is a studio-based study area that introduces the principles and methods of design for electronic and print media. The course emphasises the role of the artist and the development of creative concepts in media design and art.

Career opportunities

As well as individual arts practice in either media arts or design, career examples include: arts administration; art directors; arts education officers; graphic designers; video art; arts retailing; community arts officers; cultural tourism; exhibitions and events management; teachers and educators (with further qualifications).

A selection of subjects for this major include

- Digital Imaging
- Introduction to Web Design
- Digital Video
- Folio Development
- Creative Projects

Performance

Course highlights

Students work with industry professionals to present readings

and performances at CoCA (Centre of Contemporary Arts). Throughout the course you will be encouraged to actively engage with JUTE, the professional theatre company resident at CoCA in Cairns.

Career opportunities

Graduates will be able to pursue a wide range of careers in the arts including performance artists, performance writers, directors, arts administration, theatre managers, arts education officers, arts retailing, community arts officers, cultural tourism, exhibitions and events management, teachers and educators (with further qualifications).

A selection of subjects for this major include

- Improvisation and Acting Techniques
- Contemporary Performance
- Live Performance Writing
- History and Theory of Creative Practice

Visual Arts

Course highlights

You will have access to a specialist art room where excellent materials and facilities are provided. You will also be encouraged to take part in community projects, internships and even study tours.

Career opportunities

Graduates can pursue a wide range



of careers in the visual arts as: artists, community arts officers, arts administrators, gallery managers, arts education officers, arts retailing, cultural tourism, and exhibitions and events management. With further qualifications, graduates can become art teachers.

A selection of subjects for this major include

- Effective Drawing
- Painting Techniques
- Visual Arts and Concepts
- History and Theory of Creative Practice
- Creative Exchange Project

BACHELOR OF INFORMATION TECHNOLOGY

The Bachelor of Information Technology at JCU provides students with broad based skills enabling you to branch out into a wide range of information and communication technologies (ICT) careers. The James Cook University Information Technology degree has three majors, each with its own distinct flavour and direction. Majors include:

- Business Informatics – for those wishing to take on the commercial world and discover the synergy between business and IT
- Computing and Networking – for those interested in operating systems, networks and security, research, development and industry
- Interactive Technologies and Games Design – for individuals interested in the design aspects of information technology; whether it is interactive or multimedia entertainment, web design or computational art.

It is also possible to study a number of double degrees at JCU – gaining two qualifications in a shorter amount of time. The Bachelor of Information Technology can also be combined as a joint degree with engineering.

Regardless of the major or specialisation chosen the Bachelor of Information Technology consists of common first year core subjects that include

- Introduction to Programming I and II
- Conceptual Modelling
- IT Fundamentals

In addition to core subjects, students complete subjects required for the chosen major plus electives.

Business Informatics

Course highlights

Project management subjects give you real-life projects that demonstrate your potential to the world. Business Informatics subjects have been designed after extensive consultation with industry professionals and prospective employers to give our graduates a competitive edge. First class facilities are available to students both on the Townsville and Cairns campuses with 24-hour access to computer labs.

Career opportunities

A degree in Business Informatics can lead you into many and varied careers. You will have the skills to administer the back office IT operations for large corporate environments (banks, governments, industry). You could also become a systems architect designing the interoperating IT tools and services that keep organisations running and working effectively.

A selection of subjects for this major include

- Business and IT Interface
- Software Engineering
- Web Programming
- Interactive e-Business
- Human Computer Interaction
- Information Security
- Knowledge Discovery and Data Mining

Computing and Networking

Course highlights

A particular highlight of this degree is the ability for students to tailor their study with electives to reflect their interests and career aspirations. Students studying the Computing and Networking major will undertake project subjects in their final years of study. These offer the ability to work in a real world environment by designing technologies that demonstrate your potential to the world.

Career opportunities

A Computing and Networking major provides the ability to choose from a wide-ranging career set. IT professionals are in high demand and depending what area you choose to specialise in will determine to an extent your career outcomes.

A selection of subjects for this major include

- Software Engineering
- Web Programming
- Hardware and Software Fundamentals

- Advanced Programming
- Networking
- Human computer interaction
- Information Security

Plus elective subjects from IT, business, creative arts, maths, science or engineering

Interactive Technologies and Games Design

Course highlights

Project management subjects give you real life projects that demonstrate your potential to the world. Engagement in collaborative and team-based projects will help you develop your skills. You may collaborate with Bachelor of New Media Arts students on creative projects that use web-based technologies to integrate images, text and graphics.

Career opportunities

A degree in Interactive Technologies and Games Design can lead to a variety of exciting careers. The creative industries are currently valued at about \$34 billion in Australia alone. Interactive technologies and games design is a growing market and skilled graduates are sought after worldwide.

A selection of subjects for this major include

- Software Engineering
- Hardware and Software Fundamentals
- Animation and Simulation
- Games Design and Technology
- Simulation

Plus options from IT, creative arts and business

BACHELOR OF LAWS and BACHELOR OF LAWS (Graduate Entry)

JCU's four-year Bachelor of Laws focuses strongly on providing professional relevance and practical application. The Bachelor of Laws (Graduate Entry) is a three-year program that maintains the same focus and is designed for students who already hold a Bachelor degree in another field who wish to gain a qualification in law.

It is also possible to study a number of double degrees at JCU – gaining two qualifications in a shorter amount of time. The Bachelor of Laws can also be combined as a joint degree with Business, Arts and Science.

Course highlights

The School of Law is particularly proud of its internationally

recognised program. Students are provided with a solid foundation in traditional law subjects, along with an exciting and broad-ranging elective program. Strong community links and the strong support received from the legal profession and judiciary of northern Queensland enable our students to gain advanced legal skills and to network personally with the profession.

Career opportunities

JCU Law graduates are highly valued by the profession across Australia and overseas with skills acquired internationally transferable. Opportunities for employment of JCU law graduates exist in a wide variety of areas depending on your desired focus. These can include: bankruptcy and insolvency, barrister or solicitor, business and commercial law, community sector, criminal law, corporate law, family law, government, property law or taxation law.

A selection of the compulsory subjects for this course (i.e. required for admission to practice as a lawyer) include

- Legal Institutions and Processes
- Legal Research, Writing and Analysis
- Contract Law
- Law Society and Change
- Legal Concepts
- Land Law
- Criminal Law
- Torts
- Evidence
- Administrative Law
- Commercial and Personal Property Law
- Principles of Equity
- Law of Trusts
- Constitutional Law
- Company and Partnership Law

BACHELOR OF NEW MEDIA ARTS

This innovative degree is designed for students who wish to work in the creative arts using new and emerging digital technologies. The program includes practical projects and work placements to give students a diversity of skills for the digital media workplace where digital art, design, imaging and performance skills are in high demand. Specialisations include

- Contemporary Theatre
- Illustration and Visual Media
- Media Design
- Music and Sound Media
- Photomedia



Regardless of the major or specialisation chosen Bachelor of New Media Arts core subjects include

- Introduction to New Media
- Digital Toolbox
- Arts in Perspective
- Art, Artist, Environment
- Creative Industries
- Connecting the Creative Arts
- The Reflective Practitioner
- Professional Practice

In addition to core subjects, students complete subjects required for the chosen major plus electives.

Contemporary Theatre

Course highlights

Highlights in the Contemporary Theatre major include guest lectures by industry experts from Full Throttle Theatre Company, stage, radio, television and film writers, directors and designers. Students are acting for stage and screen with writing, directing, and designing new media experiences.

Career opportunities

Graduates will have a diversity of skills and will be sought after in the growing digital media workplace. Career opportunities are broad and include: theatre performer; screen performer; voice-over performer; street performance artist; community performance artist; role-play entrepreneur; workshop

facilitator; new media performance artist; production assistant; and festival and events coordinator.

A selection of subjects for this major include

- Acting and Improvisation
- Acting for Camera
- Writing for Theatre and Film
- Contemporary Theatre Production
- Performance in Context
- Directing Project

Illustration and Visual Media

Course highlights

The Illustration and Visual Media major has a strong focus on drawing and extends theory and traditional hands-on practices to digital formats. Highlights in this major include practical workshops in: charcoal, pencil, pen, brushwork, silverpoint, gilding, tempera, gouache, watercolour and digital software techniques.

Career opportunities

Graduates will have a diversity of skills and will be sought after in the growing digital visual arts workplace. Career opportunities include: multimedia designer for web, electronic games and mobile technologies; media industry specialist; digital advertising production; design and layout for print; book and magazine

illustrating; and individual arts practice.

A selection of subjects for this major include

- Drawing Principles and Practices
- Illustration
- Drawing and the Spatial
- Image and Text
- Drawing Folio

Media Design

Course highlights

Highlights include 24-hour access to state-of-the-art software and hardware facilities in the Creative Arts labs, guest lectures by industry experts, projects involving community groups and the opportunity to participate in real-world projects. Often held in the style of a student competition, such projects present the opportunity to experience professional practice while being at university.

Career opportunities

Graduates will have the design and technical skills to pursue positions with organisations involved in: multimedia design; web design; e-commerce applications; design for mobile devices; interface design creation; interactive content creation; information design; graphic design work; independent art studio work; film making and animation production; commercials for film and television; magazine-

content and production; exhibition displays; advertising; digital media; electronic publishing; sales and marketing activities; staff training and development and educational technology; corporate reporting and image making; and online information management and communication.

A selection of subjects for this major include

- Design for Media Communication
- Introduction to Web Design
- Still and Dynamic Typography
- Interactive Media Design
- Time Based Media
- Information and Publication Design

Music and Sound Media

Course highlights

Course highlights include access to a state-of-the-art recording studio, hardware and software to support sound development and exploration, and the opportunity to work across a range of media and creative projects where music and sound are integral elements. Guest lectures and industry projects are also highlights during the study of this major.

Career opportunities

Graduates will have the creative and technical skills to pursue positions within: music and recording studios;

in film making and animation production; creating commercials for film and television; music and performance management; conferences and events production management; exhibitions; festivals and shows; music and theatrical performances; artistic competitions; presentations; training and educational technology; and online information management and communication. With further study, graduates can pursue teaching and academic careers.

A selection of subjects for this major include

- Digital Music Media
- Music and Sound Media
- World Music
- Music Contexts
- Digital Music Technology
- Music Constructs

Photomedia

Course highlights

Major highlights include 24-hour access to specialist photographic studios, state-of-the-art lighting and photo-media equipment, high-end print facilities and computer stations. Visiting industry guests present lectures and workshops

and you can participate in field trips and study tours.

Career opportunities

JCU Photomedia graduates work in diverse areas of photography and digital imaging locally, around Australia and globally. Graduates find careers in independent art studio work, digital art making, news photography, immersive imaging, commercial photography, photojournalism, image manipulation, educational technology, magazine content and production, advertising, electronic publishing, educational technology, teaching, wedding/portrait and other applied areas of photography.

A selection of subjects for this major include

- Photographic Capture
- The Digitised Image
- The Digital Studio
- Photojournalism
- Immersive Imaging
- Photomedia Portfolio

JCU DIPLOMA (PATHWAY) PROGRAMS

Diplomas are generally designed for people who do not have the academic entry requirements for their preferred course and need a pathway course.

DIPLOMA OF BUSINESS

The Diploma of Business is a one-year program which offers introductory subjects in accounting and finance, marketing, communications and management from the Bachelor of Business. Successful completion will lead to entry to a range of degrees at JCU including the Bachelor of Business. You can receive advanced standing/credit into the Bachelor of Business for subjects you successfully complete.

DIPLOMA OF CREATIVE ARTS

This is a one-year flexible course that enables students to explore either one creative arts area, or sample a range of areas from new media, digital imagery, music, visual arts, performance, design, art theory and criticism. With successful completion of the diploma you can continue into a degree program and receive credit for successfully completed subjects.

DIPLOMA OF INFORMATION TECHNOLOGY

This one-year course includes foundation information technology and business subjects from the Bachelor of Information Technology. Successful completion can facilitate entry into a range of degrees at JCU including the Bachelor of Information Technology. You can receive advanced standing/credit into the Bachelor of Information Technology for subjects you successfully complete.



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John Breen

Canada

**Bachelor of Medicine,
Bachelor of Surgery**

If the reason for studying at JCU isn't for its great facilities, beautiful campus, great staff, friendly and diverse student body it's the campus setting in breath taking tropical North Queensland. The James Cook University medical school and the associated Townsville Teaching Hospital host some of the best facilities in the country. The buildings and equipment are new and provide the latest technology for learning and teaching. Along with facilities the professors are highly qualified and many are involved in cutting edge research with numerous papers published in high impact journals. This offers the advantage of having the latest standards of practice, guidelines and new developments in patient treatment and management right at our fingertips. The standard of education received at JCU will put you in an excellent position to obtain your career goals.

Faculty of Medicine, Health and Molecular Sciences



This Faculty offers a comprehensive range of undergraduate degrees for medical and health professionals and veterinary, biomedical and molecular scientists. The health sciences are one of the fastest growing areas of employment both in Australia and Internationally.

Professional degrees offered at JCU include medicine, dentistry, medical laboratory science, nursing, occupational therapy, veterinary science, pharmacy, physiotherapy, speech pathology and sport and exercise science. The Faculty delivers courses through the following Schools and Centres

- School of Medicine and Dentistry
- School of Nursing, Midwifery and Nutrition
- School of Pharmacy and Molecular Sciences
- School of Veterinary and Biomedical Sciences
- School of Public Health, Tropical Medicine and Rehabilitation Sciences
- Mount Isa Centre for Rural and Remote Health

The Faculty's degrees have been recognised nationally and internationally for their emphasis on rural, remote, Indigenous and tropical health issues. Working closely with the relevant professional associations, the Faculty ensures its courses keep pace with developments in professional practice.

Teaching and research facilities are outstanding within the Faculty, and the health and medicine precinct at JCU Townsville is strategically positioned adjacent to Townsville Hospital, the largest hospital in provincial Australia, enhancing the strong clinical orientation of many courses.

Undergraduate Study Areas

- Biochemistry and Molecular Biology
- Biomedical Sciences
- Biotechnology
- Chemistry
- Dental Surgery
- Genetics and Genomics
- Immunology
- Medical Laboratory Sciences
- Medicine and Surgery
- Microbiology
- Molecular Science
- Nursing Science
- Occupational Therapy
- Pharmacy
- Pharmacology
- Physiology
- Physiotherapy
- Speech Pathology
- Sport and Exercise Science
- Veterinary Science

www.jcu.edu.au/fmhms

BACHELOR OF BIOMEDICAL SCIENCES

The biomedical sciences are the foundation for the clinical practice of veterinary and human medicine. The course spans the study of anatomy, physiology, pharmacology, biochemistry, microbiology, parasitology, immunology, pathology and epidemiology. Most subjects include a substantial practical component, drawing on JCU's close links with local hospitals and private laboratories. Graduates find careers in diagnostic and research laboratories in the medical, veterinary, pharmaceutical, agricultural and food industries, as well as other health-related industries. Graduates majoring in Microbiology can apply for membership of the Australian Society for Microbiology.

Course highlights

Extensive practical experience is offered in well-equipped dedicated teaching laboratories in the School of Veterinary and Biomedical Sciences and the School of Pharmacy and Molecular Sciences.

Career opportunities

Biomedical scientists work in hospital research laboratories, universities, research institutes, and in food, biotechnology and pharmaceutical industries.

A selection of subjects for this course include

- Biochemistry and Microbiology
- Fundamentals of Biology
- Chemistry: A Central Science
- Epidemiology
- Physiology and Pharmacology
- Microbial Diversity
- Molecular Genetics
- Infectious Diseases and Immunobiology

Plus a wide range of elective options

BACHELOR OF DENTAL SURGERY

Dentists are registered healthcare professionals who specialise in the care of teeth, gums, bone support and the mouth. The five-year course encompasses all aspects of dental practice, with a special focus on tropical, rural and Indigenous dentistry. Basic sciences are integrated with dental clinical sciences and preventative oral health strategies.

Students must provide evidence of immunity to Hepatitis B prior to

undertaking clinical placement, as well as a Blue Card to work with children.

JCU's Bachelor of Dental Surgery prepares graduates as generalist dentists in accordance with the dental profession's scope of practice. The Bachelor of Dental Surgery is progressing through the accreditation process as determined by the Australian Dental Council. Graduates will be eligible for professional registration with all dental boards in Australia and New Zealand, enabling them to enter dental practice. JCU's separate application form for the Bachelor of Dental Surgery can be found at www.jcu.edu.au/fmhms/forms

Course highlights

JCU applies the latest educational techniques and technologies in state-of-the-art dental teaching facilities on the Cairns campus.

Career opportunities

There is an extremely high demand for dentists both in Australia and internationally. Registered dentists work in private practice, public sector clinics, the defence force, teaching and research or specialty practice following further study.

A selection of subjects for this course include

- Anatomy and Physiology for Dentists
- Introduction to Dental Science
- Operative Dentistry
- Special Topics in Dentistry (Periodontics and Endodontics)
- Special Topics in Dentistry (Oral Surgery and Oral Medicine)
- Integrated Dental Practice

BACHELOR OF MEDICAL LABORATORY SCIENCE

This course was designed in conjunction with local pathology scientists, particularly Queensland Health Pathology and Scientific Services to ensure a high level of professional relevance. It provides students with a firm grounding in chemistry, biochemistry, molecular biology, anatomy, physiology, pathophysiology, microbiology and infectious diseases and immunology. The degree is accredited with the Australian Institute of Medical Scientists. Majors available: biochemistry, microbiology, physiology.

Course highlights

Students in fourth year undertake three months of clinical placements in regional and urban medical

laboratories. JCU has superb modern teaching laboratories for students to effectively acquire the skills they need in medical laboratory science.

Career opportunities

Medical Laboratory Science graduates are in high demand and find rewarding careers in the public hospital system and private pathology laboratories. Other employment opportunities exist within veterinary diagnostic laboratories, as well as public and private laboratories that focus on forensic science, food and water quality, pharmaceuticals and toxicology.

A selection of subjects for this course include

- Chemistry
- Health and Health Care in Australia
- Introduction to Physiology and Pharmacology
- Comparative Mammalian Anatomy and Histology
- Microbial Diversity
- Medical Physiology
- Molecular Biology
- Cell Regulation
- Introductory Infectious Diseases and Immunobiology
- Genes, Genomes and Development
- Clinical Microbiology
- Advanced Immunobiology
- Mechanisms in Infectious Diseases
- Systemic Pathophysiology and Therapeutics
- Immunohaematology
- Haematology
- Clinical Placement

BACHELOR OF MEDICINE, BACHELOR OF SURGERY

This undergraduate program is accredited by the Australian Medical Council. Graduates are eligible for professional registration with all medical boards in Australia and New Zealand, which enables them to enter supervised medical practice as interns anywhere in Australia, and prepares them to progress to any medical specialty. The course includes clinical exposure from first year, and has a particular focus on rural and remote health, Indigenous health and tropical medicine for Australia and the Asia-Pacific region. JCU's separate application form for the Bachelor of Medicine/Surgery can be found at www.jcu.edu.au/fmhms/forms

Course highlights

Students enjoy small-group teaching, modern facilities and

early clinical practice. The JCU medical precinct is opposite the Townsville Hospital, the largest teaching hospital in regional Australia. Students are based at the Townsville campus for the first four years before receiving varied clinical experience subsequently developing specialist knowledge.

Career Opportunities

Doctors and surgeons are in high demand. Graduates are eligible for professional registration with all medical boards in Australia and New Zealand, which enables them to enter supervised medical practice as interns anywhere in Australia, and prepares them to progress to any medical specialty.

A selection of subjects for this course include

- Introduction to Integrated Medical Studies
- Integrated Human System Pathophysiology
- Independent Study
- Introduction to Clinical Healthcare
- Integrated Pathology and Clinical Medicine
- Integrated Clinical Practice
- Advanced Clinical Medicine

BACHELOR OF NURSING SCIENCE (PRE-REGISTRATION)

This course has one of the highest levels of clinical practice available in Australia, with placement options in medical, surgical and gerontology units, maternity, critical care, mental health facilities, drug and alcohol services, mine sites and Indigenous communities. It takes a holistic approach to full physiological patient assessment and clinical skills, with training in mental as well as physical health. JCU also has close partnerships with local hospitals and health organisations, particularly The Townsville Hospital located next to the campus, which is the main hospital facility for northeastern Australia and Papua New Guinea. The curriculum of this course is accredited by the Queensland Nursing Council. Graduates can register with Nursing and Midwifery Board of Australia to become registered nurses in Australia and in many overseas countries.

Please note: Bachelor of Nursing Science exams fall outside the central University published exam schedule dates.

Course highlights

JCU's Bachelor of Nursing Science focuses on the theoretical and



applied dimensions of human caring. Theoretical modules are linked with practical experience through supervised clinical practice, from the first year of study.

Career opportunities

Nursing graduates find employment all over the world. They can work in: general medical practices; public and private hospitals; public health services; the defence force; occupational health units and non-government relief agencies. Nurses can progress with further training to specialist areas including, for example, intensive care, care of the aged, or midwifery.

A selection of subjects for this course include

- Physiological Systems and Processes
- Communication in Nursing and Midwifery
- Lifespan Development for Health
- Clinical Nursing Practice
- Primary Health Care
- Law and Ethics for Nursing and Midwifery
- Human Pathophysiology and Pharmacology
- Grief and Crisis Management
- Evidence-Based Practice
- Community Approaches to Care
- Clinical Nursing Practice
- Nursing for Chronic Illness and Palliative Care
- Health and Illness in the Older Adult

BACHELOR OF OCCUPATIONAL THERAPY and BACHELOR OF OCCUPATIONAL THERAPY (Graduate Entry)

Occupational therapists are health professionals who assist people to overcome limitations caused by injury or illness, psychological or emotional difficulties, developmental delay or the effects of aging. This program is committed to preparing high quality graduates for all areas of practice, with a particular focus on rural and remote health. The graduate entry program provides fast track training for those with appropriate health degrees to become qualified occupational therapists.

Graduates are eligible to register for practice in Queensland through the Occupational Therapists Board of Queensland, and for membership of OT Australia, the Australian Association of Occupational Therapists. The course meets World Federation of Occupational Therapists (WFOT) accreditation.

Course highlights

Facilities include brand new laboratories and access to the new tertiary teaching hospital adjacent to the campus. The program has a large clinical component, and enjoys close links with traditional nursing and medical services in urban, rural and remote areas.

Career opportunities

Occupational therapists are in demand in Australia and the world.

Graduates can pursue careers in private practice, in hospitals and medical rehabilitation units, community health centres, occupational health centres, aged care facilities, vocational rehabilitation units, independent living centres, schools and pharmacies. Many occupational therapists also travel and work overseas.

A selection of subjects for this course include

- Anatomy and Physiology for Occupational Therapy
- Tasks and Roles of Occupational Therapy
- Allied Health Professionals in the Health Environment
- Lifespan Development for Health
- Health and Health Care in Australia
- Occupational Practice
- Health Promotion for Health Professionals
- Occupational Performance: Facilitation and Evaluation
- Movement Analysis for Rehabilitation
- Occupational Therapy Applications
- Ergonomics and Occupational Performance at Work
- Clinical Medicine for Therapy
- Occupational Therapy Independent Study
- Therapy Interventions for Neurological Disorders
- Principles of Design for Therapy
- Rural and Urban Practice 1
- Advanced Rural or Urban Practice
- Contemporary Issues for Health Professionals

BACHELOR OF OCCUPATIONAL THERAPY (POST-QUALIFICATION)

This course is designed for students who have a diploma or bachelor degree in occupational therapy (minimum three years of study) from an institution accredited by the World Federation of Occupational Therapists (www.wfot.org.au) and where the language of instruction was English. Graduates are eligible to register for practice in Queensland through the Occupational Therapists Board of Queensland, and for membership of OT Australia, the Australian Association of Occupational Therapists.

BACHELOR OF PHARMACY

Pharmacists not only formulate and dispense drugs, but may work alongside doctors in hospitals to provide advice on the management of patient's medication. The discovery, development, manufacture and quality control of drugs is also an area in which pharmacists play a role. This course is fully accredited with the New Zealand and Australian Pharmacy Schools Accreditation Committee (NAPSAC). Placements and professional practice form an integral part of the course. The new tertiary teaching hospital is adjacent to the campus.

Course highlights

The course follows a modern and innovative curriculum taught in

state-of-the-art facilities. New laboratories in pharmacy practice and the pharmaceutical sciences house modern audiovisual equipment and instrumentation. Further research facilities allow students to conduct Honours projects and postgraduate study in pharmacy practice and the pharmaceutical sciences.

Career opportunities

Graduates can pursue careers in hospital or community pharmacies, establish their own pharmacy practice or work in regulatory and drug management facilities. Other employment opportunities include industrial pharmacy, the defence forces or the public service. With further study, there are opportunities in university teaching, medical research and drug development in pharmaceutical companies.

A selection of subjects for this course include

- Biochemistry and Microbiology
- Chemistry
- Human Anatomy and Physiology
- Pharmacy Practice and Pharmaceutical Sciences
- Health and Health Care in Australia
- Molecular Basis of Therapeutics
- Biochemistry and Cell Regulation
- Professional Pharmacy Practice

- Dermatology for Pharmacists
- Integrated Metabolism and Nutrition for Pharmacists
- Infectious Diseases and Immunology for Pharmacists
- Cardiovascular and Renal Therapeutics for Pharmacists
- Nervous System and Mental Health for Pharmacists
- ENT, Eyes and Respiratory Pharmacy
- Musculoskeletal Pharmacy
- Endocrine and Reproductive Pharmacy
- Oncology, Haematology and Toxicology for Pharmacists
- Pharmacy Project
- Science and Practice of Physical Activity
- Sports Medicine

BACHELOR OF PHYSIOTHERAPY

Physiotherapists assess, measure and treat movement disorders, pain, injury and disability in people of all ages. They also play an important role in preventive health. The Bachelor of Physiotherapy prepares graduates for all areas of practice, with a particular focus on rural and remote health and incorporates clinical placements in urban and rural areas throughout Queensland. This course has full accreditation with the Australian Council of Physiotherapy.

Course highlights

An on-campus physiotherapy clinic provides treatment of musculoskeletal conditions to the community as well as staff and students of JCU. Clients are treated by third and fourth year students under the supervision of clinical educators as part of the physiotherapy degree program.

Career opportunities

Physiotherapy is a growing profession and graduates can work in a variety of settings including hospitals, rehabilitation units, community health centres, schools, research, organisational and occupational health units, aged care services, the defence force, in private practice and sports medicine clinics.

A selection of subjects for this course include

- Anatomy and Physiology for Physiotherapy
- Lifespan Development for Health
- Physiotherapy Applications
- Health Professional Research
- Health Promotion for Health Professionals
- Movement Analysis for Physiotherapy
- Neuroscience in Physiotherapy
- Clinical Medicine for Therapy
- Physiotherapy Theory and Applications
- Contemporary Issues for

- Physiotherapists
- Physiotherapy Health Law and Ethics
- Advanced Topics in Physiotherapy
- Health Policy and Planning

BACHELOR OF PHYSIOTHERAPY with HONOURS (Graduate Entry)

This program follows the traditional format of one year of Honours study post graduation, yet is unique in being the only such program offered to physiotherapy graduates in Australia. It is available to recently graduated and experienced physiotherapists who have not already completed an in-course honours degree. The program develops research skills, as students develop and complete a research project under expert supervision.

BACHELOR OF SCIENCE

Science students at JCU enjoy exceptional opportunities for practical experience and field trips throughout their courses. The following health science majors are available.

- Biochemistry and Molecular Biology
- Chemistry
- Genetics and Genomics



- Immunology
- Microbiology
- Pharmacology
- Physiology

Health science programs offer substantial, practical components drawing on JCU's close links with local hospitals, industry and research bodies.

Biochemistry and Molecular Biology

Course highlights

Along with excellent laboratory facilities and a regular program of visiting lecturers students learn how cells survive, how they break down compounds and harvest the energy contained within them, how these processes are integrated and the ways in which biochemical processes are regulated. Students also learn the basic principles of molecular biology and the tools used in gene cloning. Gene regulation and how developmental processes are regulated within different organisms is also included in this course, as is intellectual property rights, ethics, gene technology, GM foods and a variety of other issues encountered in the biotechnology industry.

Career opportunities

JCU graduates from this field have the experience, academic knowledge and laboratory skills required for almost any job in a wide range of scientific disciplines, supporting a range of employment opportunities. From pathology and hospital laboratories through to the food, biotechnology and pharmaceutical industries, as well as government departments and research laboratories are available.

A selection of subjects for this major include

- Molecular Genetics
- Cell Regulation
- Genes, Genomes and Development
- Advanced Cell Biology
- Biotechnology
- Special Topics in Biochemistry and Molecular Biology
- Instrumental Analytical Techniques
- Mechanisms of Infectious Diseases

Chemistry

Course highlights

Teaching staff are dynamic and enthusiastic and students can expect student/staff ratios virtually unmatched in Australia. Chemistry is a fundamental science underpinning studies in other areas including: biochemistry,

biomedical and health sciences, biological sciences, earth sciences, environmental sciences, pharmacy, and chemical and environmental engineering. The course incorporates the traditional areas of physical, analytical, inorganic and organic chemistry as well as topics in environmental, medicinal, marine chemistry and chemical ecology. Students with a particular interest in industrial chemistry may also include components on control and optimisation of industrial processes.

Career opportunities

Chemistry graduates are employed in a wide variety of science-related areas. Careers are many, for example, manufacturing and processing industries, mining, the pharmaceuticals and health-related industries, agriculture, food industries, state and federal government agencies (e.g. forensic science, customs and patents), defence, education (secondary schools and universities) and research institutes. Graduates who specialise in Environmental Chemistry can seek careers with environmental protection and monitoring agencies (in government and with private consultants).

A selection of subjects for this major include

- Synthesis and Structure in Chemistry
- Spectroscopy and Spectroscopic Methods
- Analytical Chemistry
- Molecular Genetics
- Chemical Kinetics and Mechanism
- Medicinal and Biological Chemistry
- Materials and Process Chemistry
- Advanced Chemistry Project

Genetics and Genomics

Course highlights

Teaching and research facilities for this field are state-of-the-art and equipped with advanced instrumentation for modern genetic and genomic studies. Specialist researchers, who are world experts in their field, travel to JCU every year and contribute to a number of the third year subjects. The course focuses on the basic principles of genetic and genomics in the context of their application in real-life situations.

Career opportunities

Genetics and Genomics at JCU is aimed at training biologists for employment in biomedical, aquaculture and environmental industries. A broad range of research projects, emerging

biotechnology industries, health diagnostics and pharmaceutical companies now rely heavily on genetic and genomic methods. These areas are experiencing unprecedented growth internationally in both academic and private enterprise arenas.

A selection of subjects for this major include

- Biochemistry and Microbiology
- Fundamentals of Biology
- Chemistry: Principles and Applications
- Principles of Biochemistry
- Molecular Genetics
- Cell Regulation
- Quantitative Methods in Biology
- Advanced Genetics and Genomics
- Aquaculture: Genetics and Stock Improvement
- Biotechnology
- Ecological and Conservation Genetics
- Molecular Cell Biology
- Special Topics in Genetics

Microbiology and Immunology

Course highlights

JCU's tropical setting provides a unique environment in which to study some of the microorganisms and larger parasites specific to the tropics. Microbiologists at JCU study the helpful and destructive association between microbes and animals, humans and plants, and investigate the relationships of these organisms in marine, freshwater, rainforest and savanna settings. Particularly important areas of study are bacteriology, virology and immunology.

Career opportunities

Microbiologists can seek rewarding careers in food and beverage manufacture, research and quality control, biotechnology, pollution monitoring and control, manufacture of pharmaceuticals, paints and cosmetics, extraction of ores in association with mining activities, agricultural, aquaculture and forestry industries, or veterinary and human medicine.

A selection of subjects for this major include

- Biochemistry and Microbiology
- Epidemiology
- Microbial Diversity
- Infectious Diseases and Immunobiology
- Marine Microbiology
- Statistics and Data Analysis
- Clinical Microbiology
- Food Microbiology
- Mechanisms of Infectious Diseases

- Pathobiology
- Genes, Genomes and Development

Pharmacology

Course highlights

The pharmacology program has developed an innovative teaching program that encourages a high degree of hands-on experience. The program has strong links with local hospitals, the pharmaceutical industry and research bodies such as the Australian Institute of Marine Science, which has a marine natural products group. These affiliations mean that JCU students gain special opportunities to experience the application of pharmacology in a range of areas including biomedical research and the development of new drug treatments.

Career opportunities

Pharmacologists can seek rewarding careers in the pharmaceutical industry and biomedical research, hospital laboratories, research organisations such as CSIRO, public health laboratories, university teaching and research.

A selection of subjects for this major include

- Chemistry
- Introduction to Biochemistry and Microbiology
- Cell Regulation
- Medical Physiology
- Principles of Biochemistry
- Chemical Pharmacology
- Systemic Pathophysiology and Therapeutics
- Neuropharmacology
- General Pathobiology

Physiology

Course highlights

Physiology at JCU is a dynamic and exciting field with many of our teaching and research programs gaining respect nationally and internationally. The physiology program has close links to local hospitals, ensuring a good range of facilities for physiology students. JCU's physiology program also incorporates a high degree of hands-on science and extensive student-lecturer interaction is encouraged. The staff have developed an innovative teaching and research program which incorporates the latest technologies.

Career opportunities

JCU physiology graduates are sought after by a range of employers from biomedical research laboratories to sports academies.



A selection of subjects for this major include

- Human Anatomy and Histology
- Biochemistry and Microbiology
- Chemistry
- Comparative Mammalian Anatomy and Histology
- Medical Physiology
- Advanced and Integrated Physiology
- Physiology and Metabolism
- Contemporary Research in Physiology

BACHELOR OF SPEECH PATHOLOGY

Speech pathologists combine knowledge of human anatomy and physiology with psychology and human developmental knowledge to improve outcomes for patients with a wide range of communication and swallowing disorders. JCU facilities for speech pathology students are excellent, with state-of-the-art teaching rooms in a new rehabilitation sciences facility that includes a fully operational speech pathology clinic. It is adjacent to the School of Medicine and The Townsville Hospital. The program is accredited by the Speech Pathology Association of Australia and graduates are eligible for registration with the Speech

Pathologists Board of Queensland and for membership of Speech Pathology Australia.

www.speechpathologyaustralia.org.au

Course highlights

Early clinical experiences take place in the Speech and Language Clinic under the supervision of JCU speech pathology clinical educators. Later placements are based in a range of professional settings that include Townsville, across Australia and in certain circumstances internationally.

Career opportunities

Speech pathologists can pursue rewarding careers in a variety of settings including children's early intervention agencies, schools and education departments, community health centres, hospitals, rehabilitation units, nursing homes, mental health services, specialist disability agencies, private practice and university research.

A selection of subjects for this course include

- Anatomy and Physiology for Speech Pathology
- Communication Skills for Therapy
- Linguistics and Phonetics
- Lifespan Development for Health

- Health and Health Care in Australia
- Language Development and Impairment
- Speech Development and Impairment
- Clinical Medicine for Therapy
- Principles of Assessment and Theory
- Acquired Speech Impairments
- Voice Impairment
- Stuttering Across the Lifespan

BACHELOR OF SPEECH PATHOLOGY with HONOURS (Graduate Entry)

This program follows the traditional format of one year of Honours study post graduation, yet is unique in being the only such program offered to speech pathology graduates in Australia. It is available to recently graduated and experienced speech pathologists that have not already completed an in-course honours degree. The program develops research skills, as students develop and complete a research project under expert supervision.

BACHELOR OF SPORT AND EXERCISE SCIENCE

JCU's Institute of Sport and Exercise Science houses a full range of technical facilities and equipment, including a heat and humidity chamber and modern Movement Analysis Laboratory. The Institute covers exercise testing and prescription, sport and exercise physiology, biomechanics, sport and exercise nutrition, sport and exercise psychology, and talent recognition. There is a specialisation in the impact of hot and humid conditions on sport, exercise and health-related issues. The Institute collaborates closely with the Australian Defence Forces, and undertakes joint applied research with the Australian Institute of Sport. Graduates are eligible to apply for accreditation with the Australian Association for Exercise and Sports Science (AAESS).

This degree can be taken as a joint degree with the Bachelor of Education or the Bachelor of Business.

Course highlights

Students complete 140 hours of practical placement to develop their personal and professional skills within a range of settings including local community centres,

service academies, elite sporting academies such as the Australian Institute of Sport, corporate health and fitness programs, and local school and sporting teams.

Career opportunities

Graduates have a diverse range of depending on their interests and further studies. These include: teaching and coaching in educational, sporting or recreational settings, sporting teams or corporations; research and development; sports manufacturing; corporate health and fitness; roles within government agencies associated with sport, physical activity and health; and sports academies.

A selection of subjects for this course include

- Anatomy and Physiology for Sport and Exercise Science
- Physiological Systems and Processes
- Sport and Exercise Nutrition
- Functional Kinesiology and Biomechanics
- Physiological Basis of Sport and Exercise
- Strength Training and Conditioning
- Advanced Biomechanics
- Environmental and Sports Medicine

- Dynamics of Sport and Exercise Behaviour
- Sport and Exercise Science Practice
- Sports Training and Rehabilitation

BACHELOR OF VETERINARY SCIENCE

Veterinarians play a major role in the health care of livestock, companion animals, zoo animals and sporting and laboratory animals. The School of Veterinary and Biomedical Sciences has extensive research expertise in tropical animal and veterinary science. Facilities include teaching laboratories, the JCU Veterinary Emergency Centre and Hospital, JCU's tropical research cattle station "Fletcherview" at Charters Towers and the JCU Tableland Veterinary Teaching Resource Centre at Malanda. Students gain the skills to diagnose, treat and prevent diseases in pets, livestock, aquatic species and native fauna. Students also acquire a thorough knowledge of animal production systems, particularly tropical animal husbandry and aquaculture. The program is accredited by the Australasian Veterinary Boards Council and graduates are eligible

for professional registration with all veterinary boards in Australia and New Zealand. JCU's separate application form for the Bachelor of Veterinary Science can be found at www.jcu.edu.au/fmhms/forms

Course highlights

Students complete a series of clinical placements and extramural practical work, where they learn about various animal industries and experience the broad range of clinical care. Students have full access to state-of-the-art teaching facilities, including a new Emergency Veterinary Centre and Hospital on the Townsville campus. A specialist large animal treatment facility on the Tablelands provides clinical experience and training for final year students.

Career opportunities

The range of employment opportunities for veterinarians is diverse and can include: clinical work in private practices as small animal practitioners or rural practitioners; government positions involving animal disease control and animal production; and livestock inspection and quarantine. Graduates can also enter higher degree studies for careers in pharmaceutical research, biomedical and animal nutrition

industries, biosecurity, agricultural agencies and human health areas.

A selection of subjects for this course include

- Biological Principles for Agricultural and Veterinary Science
- Chemistry: A Central Science
- Veterinary Professional Life
- Cell Biology and Biochemistry for Veterinary Science and Agriculture
- Plant Biology for Agricultural and Veterinary Science
- Animal Biology for Agricultural and Veterinary Science
- Physiology and Pharmacology for Veterinary Science
- Integrated Animal Structure and Function
- Transitions from Health to Disease
- Veterinary Clinical Sciences
- Veterinary Clinical and Professional Practice



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Miriam Brandt

Germany

Bachelor of Science
(Marine Biology and Chemistry)

I heard about JCU and their excellence in Marine Biology and Environmental Science and looked it up on the Internet, and it was just the best choice for both its location and strong research focus. Now that I'm here I really enjoy the well-structured programs, the many field trip opportunities available (in amazing locations), the helpful lecturers, tutors and staff. I also had the opportunity to do a double major at JCU. This gave me knowledge across different areas and will further promote my career opportunities. The emphasis given in writing skills is also something I would never have received in my home country. I'm excited to be starting my Honours year at JCU.

Faculty of Science and Engineering



JCU is uniquely located for the study of science and the environment. The Cairns and Townsville campuses enjoy easy access to two World Heritage Areas – the Great Barrier Reef and the ancient rainforests of the Wet Tropics, as well as dry tropic environments, savannas and wetlands.

The Faculty is world renowned for its expertise, facilities and research successes. Areas of expertise include: marine science and marine biology, physical oceanography with particular relevance to the Great Barrier Reef, aquaculture, environmental science (including conservation), fluid mechanics, geology, minerals processing, tropical ecology and zoology.

As a student in the Faculty of Science and Engineering, you will have opportunities for hands-on and practical experience including field trips, modern technology, access to field stations and research facilities, links to industry and government agencies, and lecturers who are prominent researchers in their fields. Graduates work in Australia and overseas in industry, research, government, schools, universities and consultancies. The Faculty boasts a range of excellent research centres and facilities including the Aquarium Complex, Australian Centre for Tropical Freshwater Research, Australian Canopy Crane Research Station, Bioinformatics Applications Research Centre, Centre of Excellence for Coral Reef Studies, Centre for Disaster Studies, Cyclone Structural Testing Station, Economic Geology Research Unit and Orpheus Island Research Station.

JCU also offers a Bachelor of Science (Advanced) and Bachelor of Marine Biology (Advanced) degree for high achieving students who have performed well in high school or the first year of their studies. Enrolment is by invitation only. Students have the opportunity to participate more in the academic and research culture of their chosen discipline.

Undergraduate Study Areas

- Aquaculture
- Biotechnology
- Business and Environmental Science
- Ecology and Conservation
- Engineering
 - Chemical
 - Civil
 - Computer Systems
 - Electrical and Electronic
 - Mechanical
- Environmental Science
- Environmental and Marine Geosciences
- Geography
- Geology
- Marine Biology
- Marine Science
- Mathematics and Statistics
- Physics
- Planning (Urban and Regional Planning)
- Science (General)
- Sustainability
- Zoology

www.jcu.edu.au/fse

BACHELOR OF BIOTECHNOLOGY

Biotechnology is a fast developing science, focusing on the commercial application of living organisms or their products, in areas such as tropical agriculture. Opportunities for project and work experience include research and diagnostic laboratories and bio-industries. The degree includes subjects in patent law/intellectual property, and enterprise and project management. Electives may also cover biochemistry, and plant and animal genetics.

Course highlights

Close working relationships between JCU and research and diagnostic laboratories in Cairns and Townsville provide extensive research opportunities for students.

Career opportunities

Advances in genetic engineering, cell culture, molecular biology and agriculture have rapidly generated new applications for biological products, with job opportunities in this exciting field growing exponentially.

A selection of subjects for this course include

- Fundamentals of Biology
- Introductory Biochemistry and Microbiology
- Chemistry: A Central Science
- Epidemiology
- Principles of Biochemistry
- Microbial Diversity
- Introduction to Aquaculture
- Cell Regulation
- Marine Ecology and Environmental Assessment
- Introductory Infectious Diseases and Immunobiology
- Genes, Genomes and Development
- Ecological and Conservation Genetics
- Aquaculture: Special Topics

BACHELOR OF BUSINESS AND ENVIRONMENTAL SCIENCE

Environmental sustainability is now a key business consideration. Core subjects provide a solid grounding in business and environmental science topics. You can then choose from an exciting range of elective subjects including business, environmental science, marine science, aquaculture and ecology to develop an area of interest or a range of generic skills and cross-disciplinary knowledge. A major in Aquaculture offers

the unique opportunity to play a role in the world's fastest growing primary production industry as it expands through Asia. This major provides the decision-making and business capabilities for a career in aquaculture production, environmental policy, marine resource management, and aquaculture marketing and business management.

Course highlights

JCU is a world leading university in environmental science. A substantial range of subjects in business, environmental and marine science and aquaculture allow students to develop generic skills and broad-based cross-disciplinary knowledge in these developing fields.

Career opportunities

Graduates can work as: environmental advisers to business, advisers of the use of natural resources, academics, and consultants.

A selection of subjects for this course include

- Management, People and Organisations
- Chemistry: A Central Science
- Environmental Process and Global Change
- Tourism and the Environment
- Introduction to Geographic Information Systems
- Marine Ecology and Environmental Assessment
- Entrepreneurship
- Project Management
- Marketing Fundamentals
- Aquaculture of Tropical Species
- From Icehouse to Greenhouse
- Tropical Marine Ecosystems
- Managing Small and Medium Enterprises
- Entrepreneurship in Emerging Economies
- Conserving Marine Wildlife: Sea Mammals, Birds, Reptiles
- Fisheries Science
- Marine Conservation Biology

BACHELOR OF ENGINEERING

JCU offers five majors within the Bachelor of Engineering

- Chemical
- Civil
- Computer Systems
- Electrical and Electronic
- Mechanical

The course has a common first year, and requires significant laboratory and design work at all levels, as well as 12 weeks of paid industry-based

placement. Graduates are eligible for membership of Engineers, Australia, and other professional bodies, as well as being accredited in many countries, including USA, Canada, UK, Ireland, Hong Kong, Japan, Malaysia, New Zealand and South Africa.

It is also possible to study a number of double degrees at JCU – gaining two qualifications in a shorter amount of time. The Bachelor of Engineering can be taken as a joint degree with most majors in the Bachelor of Science and Information Technology.

Regardless of the major or specialisation chosen the Bachelor of Engineering consists of common first year core subjects that include

- Engineering 1
- Advanced Stream Physics
- Statistics and Dynamics
- Computing for Engineers
- Mathematical Foundations
- Process Engineering
- Electric Circuits
- Mathematical Techniques

In addition to core subjects, students complete subjects required for the chosen major plus electives.

Chemical Engineering

Course highlights

Laboratory and design work and the opportunity to work in teams with other engineering disciplines are key elements of this program. The course ranges from the fundamentals through to the design, development and commissioning of processes that ultimately convert raw materials into useful products. Local industries actively support this program by providing advice on course content, access to industrial plants, specialist guest lecturers and cutting edge student design and research projects. Year 4 includes a research and process design project where students design a full-scale processing plant.

Career opportunities

Chemical Engineers graduate from JCU with particular expertise in the areas of minerals processing and process safety, design and management. Our degree also trains students in advanced chemical technologies, enabling them to play an active role in the maintenance and development of existing industrial processes as well as entirely new processes. Chemical engineers are in high demand worldwide.

A selection of subjects for this major include

- Process Analysis
- Chemical Engineering Thermodynamics
- Reactor Design
- Applied Engineering Analysis
- Process Safety, Design and Management
- Chemical Engineering Design
- Engineering Economics and Entrepreneurship
- Thesis

Civil Engineering

Course highlights

Civil Engineering students are introduced to the design of timber, steel and concrete structures, the principles of fluid mechanics, environmental and geotechnical engineering, surveying and road design. Design becomes an increasingly important component in Years 3 and 4. Leading professional engineers teach design subjects emphasising real world structural, geotechnical, transportation and environmental engineering challenges and solutions.

Career opportunities

Civil Engineers are employed in public utilities, government departments, private companies, and non-government agencies involved in community development and disaster recovery. They are trained to work in planning, design, construction and maintenance of buildings, roads, bridges, railways, dams, port facilities, water supply and wastewater treatment systems.

A selection of subjects for this major include

- Engineering Strength of Materials
- Introduction to Structural Design
- Design of Steel and Concrete Structures
- Foundation Engineering and Rock Mechanics
- Civil Engineering Design
- Water and Wastewater Engineering
- Transportation Engineering
- Thesis

Computer Systems Engineering

Course highlights

Practical application of theory is emphasised in laboratory work, projects and a thesis. This course combines the low voltage electrical engineering areas in electronics, communication and embedded systems with software, networking and operating principles from the computer science area.



Career opportunities

Computer Systems Engineers are employed by hi-tech industries for servicing, manufacturing and/or development, embedded microprocessor systems, medical and aviation instrumentation, computer products and digital systems, digital telecommunications (telephony and broadcast systems), and entertainment (sound and graphics quality in cinemas and computer games) and electronic instrumentation.

A selection of subjects for this major include

- Circuit Theory
- Embedded Systems Design
- Introduction to Programming
- Electronics
- Materials Science and Engineering
- Communications Systems Principles
- Computer Interfacing and Control
- Software Engineering
- Thesis

Electrical and Electronic Engineering

Course highlights

Facilities at JCU include well-equipped laboratories, in-house hardware and software to design, simulate and manufacture printed circuit layouts, and extensive mathematical simulations tools, to name a few applications.

Career opportunities

Electrical and Electronic Engineers are employed by industries that generate, transmit, or consume large amounts of electrical power (power utilities, mines, mills, etc.) as well as industries that service, manufacture and/or develop telecommunications systems, networks and consumables, medical and aviation instrumentation, computer products and digital signal processing.

A selection of subjects for this major include

- Circuit Theory
- Introduction to Electromagnetism Optics and Thermodynamics
- Signal Processing
- Communications Systems Principles
- Computer Interfacing and Control
- Electronics
- Power Engineering
- Automatic Control
- Thesis

Mechanical Engineering

Course highlights

A particular strength of the Mechanical Engineering program at JCU is the application of advanced computational techniques. Mechanical Engineering applies the principles of physics for analysis, design, manufacturing, and maintenance of everything you think of as a machine – from bicycles to robots to supersonic jets. Mechanical Engineers design, create and improve systems and

machinery used for domestic, public and industrial purposes.

Career opportunities

Mechanical Engineers work in industries that design systems and machinery to generate power, make products, move things or help in building. They may also work in the automotive industry, in manufacturing, building services, the aeronautical industry, defence technology, chemical processing, power generation, food processing and public utilities.

A selection of subjects for this major include

- Thermofluid Mechanics
- Dynamics of Machine Elements
- Materials Science and Engineering
- Engineering Project Management
- Fluid Mechanics
- Automatic Control
- Mechanical Design
- Bulk Materials Handling
- Thesis

BACHELOR OF GEOLOGY

Designed for those seeking careers as geologists in the booming mining and mineral exploration industries, this new degree is offered by JCU's School of Earth and Environmental Sciences. The course places a strong emphasis on teaching practical skills and experience through laboratory and field work. Industry placements are available. Located within reach of diverse geological terrains and

mineral provinces and a broad range of tropical environments including the Great Barrier Reef, JCU provides an exceptional base for geology studies.

Course highlights

JCU is the only university in Australia offering a Bachelor of Geology. Students are exposed to real world projects and industry practice through The Economic Geology Research Unit (EGRU) housed at our Townsville campus. EGRU takes a leading role in facilitating knowledge transfer in the field of economic geology between public sector researchers, industry professionals and companies.

Career opportunities

Geologists locate new reserves of crude oil, gas, coal, minerals, uranium, precious metals and water, and determine the most feasible ways to extract these resources.

A selection of subjects for this course include

- Evolution of the Earth
- Chemistry
- Earth Materials
- Earth Resources, Exploration and Environment
- Earth and Environmental Geochemistry
- Deformation, Metamorphism and Hydrothermal Fluids
- Advanced Geological Mapping
- Mine Site Rehabilitation
- Introduction to and Advanced Geographic Information Systems

BACHELOR OF MARINE SCIENCE

In 2006, JCU became the first university outside Europe to receive international recognition for its degree in marine science from the Institute of Marine Engineering, Science and Technology (IMaREST). Emphasis is on practical experience with a strong field work component. Students have access to outstanding facilities and natural environments, including JCU's Orpheus Island Research Station, James Kirby research vessel, research aquarium, labs, the coral reefs of the Great Barrier Reef, and seagrass beds and mangroves. Graduates are eligible to join the Australian Marine Science Association, the Australian Coral Reef Society, and numerous other professional bodies. This course involves inter-institutional teaching with the Universities of Sydney and Queensland.

Course highlights

JCU is recognised around the world as a leading institution for Marine Science with six of the world's top 10 coral reef biologists at JCU. This is a multidisciplinary course ensuring generic skills so students can respond to changes in the job market for marine science worldwide.

Career opportunities

Graduates can pursue careers throughout the world with private and government agencies, or as private consultants in conservation policy and environmental management, impact assessment, tourism and education. Graduates with higher qualifications and research experience pursue research careers in universities or research organisations.

A selection of subjects for this course include

- Fundamentals of Biology
- The Diversity of Animal Life
- Environmental Processes and Global Change
- Chemistry
- Introductory Marine Science
- Fundamental Physics
- Coasts and Catchments: Geomorphology and Management
- Coral Reef Geomorphology
- Biological Oceanography
- Fisheries Science
- Coral Reef Ecology
- Fluid Mechanics
- Oceanography and Meteorology

BACHELOR OF PLANNING

This course covers areas such as urban geography and design, population studies and economy, geographic information systems, regional planning, environmental impact assessment, Indigenous environmental management, legislation and disaster planning. The final year includes a significant work placement component with local authorities, state government departments, NGOs and private consultancies. This program is accredited by the Planning Institute of Australia.

Course Highlights

This course places a strong emphasis on the tropical, regional and urban environments and is an excellent preparation for a career both in Australia or internationally. JCU's location close to the World Heritage listed environments of the Wet Tropics rainforests and the Great Barrier Reef coupled with fast-growing cities, give our students excellent practical opportunities throughout the course.

Career opportunities

Graduates enjoy exceptional career prospects and can pursue employment as planners, policy makers, consultants, researchers and impact assessors for government agencies at

federal, state and local levels, as well as obtain employment with environmental planning firms, property development companies and development organisations.

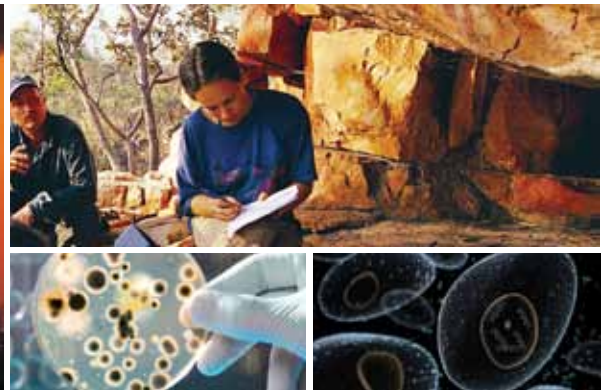
A selection of subjects for this course include

- Introduction to Planning
- Urban Geography and Design and Urban Design Studio
- Introduction to Geographic Information Systems
- Environmental Impact Assessment
- Regional Planning
- Social Impact Assessment: Environmental Management
- Disasters: Vulnerability, Mitigation and Planning
- Planning Legislation and Professional Practice
- Professional Planning Work Experience
- Planning for Sustainable Communities

BACHELOR OF SCIENCE

Science students at JCU enjoy exceptional opportunities for practical experience and field trips throughout their courses, with easy access to the World Heritage regions of the Great Barrier Reef and the Wet Tropics rainforests as potential laboratories. Science facilities at JCU include marine and





freshwater field research facilities and field stations, JCU's own research vessels and state-of-the-art wet/dry laboratories. These programs lead to professional accreditation, and emphasise field work, practical experience and links with major government and private resource management agencies and research centres. The Bachelor of Science includes the following specialisations

- Aquaculture
- Ecology and Conservation
- Environmental Science
- Environmental and Marine Geosciences
- Geography
- Marine Biology
- Mathematics
- Physics
- Science (General)
- Zoology

It is also possible to study a number of double degrees at JCU – gaining two qualifications in a shorter amount of time. The Bachelor of Science can also be combined as a joint degree with arts, education, engineering and laws.

The Bachelor of Science also includes the following health science majors (see page 30)

- Biochemistry and Molecular Biology
- Chemistry
- Genetics and Genomics
- Microbiology
- Pharmacology
- Physiology

Aquaculture

Course highlights

James Cook University's Aquaculture program will prepare you for a future in one of the world's fastest growing primary industries. Our strong links with peak aquaculture industries and research providers provides students valuable practical and research experience based on latest developments in the industry.

As well as teaching fundamental aquaculture principles, the program has a strong emphasis on the sustainable aquaculture of tropical species. Outstanding facilities include JCU's Marine and Aquaculture Research Facility in Townsville and the Orpheus Island Research Station on the Barrier Reef. The Orpheus Island Research Station, located in the Great Barrier Reef Marine Park, allows students to work in the field with sponge, reef fish and mollusc culture, while having easy access to temperature controlled rooms, laboratories and lecture theatres.

Career opportunities

Graduates can choose from a range of career options, ranging from technical positions in hatcheries and grow-out facilities, to managerial and research roles. Graduates can pursue careers as business managers, policy developers or government administrators in commercial fish farms; public and private hatcheries; aquaculture and aligned support industries (food production, pollution and disease control and specialist equipment); biotechnology companies; fisheries management; environmental protection; and conservation.

A selection of subjects for this major include

- Introduction to Aquaculture
- Aquaculture of Tropical Species
- Marine Microbiology
- Aquaculture: Systems Design
- Aquaculture: Stock Improvement
- Sustainable Aquaculture Practices
- Aquaculture: Propagation of Species
- Aquaculture: Feeds and Nutrition
- Fisheries Science

Ecology and Conservation

Course highlights

JCU is renowned for its teaching and research in biological science. Teaching staff include world leaders in their research fields – JCU was recently ranked 1st in Australia for Environment and Ecology citations by Thompson's Essential Science Indicators. Students have access to a range of environments around northern Queensland for field trips and practical study including the World Heritage rainforests of the Wet Tropics and the Great Barrier Reef Marine Park – plus outback, savanna, wetlands, agricultural and urban areas.

Career opportunities

Our graduates find employment locally, nationally and internationally as researchers, academics, teachers, environmental assessors and consultants in universities, research organisations, government agencies and environmental consultancy firms, including those agencies listed above. With further study graduates can progress into a research career in ecology.

A selection of subjects for this major include

- Ecology and Conservation
- Ecological Genetics
- Adaptations to Environmental Change
- Conservation Biology
- Population and Community Ecology
- Biodiversity and Climate Change
- Rainforest Ecosystems
- Plant Survival in a Land of Fire, Flood and Drought

Environmental Science

Course highlights

The Environmental Science major provides a thorough education concerning the environmental challenges facing mankind. This is a program for students

who enjoy fieldwork and are interested in learning how to solve environmental problems. Both Cairns and Townsville campuses are close to the World Heritage listed Wet Tropics rainforests and the Great Barrier Reef, as well as savannas and wetlands.

Career opportunities

Environmental Scientists use their interdisciplinary training to work in a range of environmental planning and management areas including environmental impact assessment, conservation and land management, coastal zone management, pollution management, mine site rehabilitation, environmental planning, and environmental education.

A selection of subjects for this major include

- Icehouse to Greenhouse
- Field Studies in Tropical Water and Soil Science
- Environmental Impact Assessment
- Advanced Hydrology
- Earth and Environmental Geochemistry
- Conserving Marine Wildlife: Sea Mammals, Birds, Reptiles
- Conserving Tropical Rainforests

Environmental and Marine Geosciences

Course Highlights

The degree takes advantage of our strategic position, with access to a varied collection of tropical landscapes (including the Great Barrier Reef), hydrological and climate regimes, and proximal to a range of important industries (such as mining) in which graduates from this program could seek employment. The course is focused on understanding and dealing with earth surface processes, deposits and landforms, including those in the marine and coastal realm.



Career opportunities

Graduates in this program will work in a diverse range of occupations, including geomorphologists, soil scientists, hydrologists, research scientists, environmental geoscientists with remediation expertise, and marine geoscientists, with opportunities in industry, government departments, consultancies and research organisations.

A selection of subjects for this major include

- Diversity of Animal Life
- Environmental Processes and Global Change
- Dynamic Futures: Culture, Environment, Resources
- Introductory Marine Science
- Astronomy: Evolution of the Universe
- Conceptual Modelling
- Evolution of the Earth

Geography

Course highlights

This course has a strong focus on field skills and problem solving and provides students with a broad range of skills in natural resource management and research.

Career opportunities

Geographers are big picture professionals - they work in government and non-government organisations with interests in local and regional planning, disaster planning, population planning and protected area management.

A selection of subjects for this major include

- Evolution of the Earth
- Cradle to Grave

- From Icehouse to Greenhouse
- Environmental and Regional Planning
- Foundations of Natural Resource Management
- Field Studies in Tropical Geography
- Natural Hazards
- Advanced Geographic Information Systems
- Disasters: Vulnerability, Mitigation and Planning

Marine Biology

Course highlights

JCU is recognised around the world as a leading institution for studies of marine organisms, their biology, evolution and ecology. JCU has earned an international reputation for excellence in both teaching and research and takes a field-oriented, hands-on approach to its teaching endeavours. Our location gives students ready access to a wide variety of tropical marine systems including coral reefs, tropical estuaries, mangrove habitats and seagrass beds.

Outstanding facilities include our research station on Orpheus Island and numerous research vessels, providing easy access to the Great Barrier Reef's coral reefs, seagrass beds and mangroves. Research aquarium and well-equipped laboratories support teaching at an advanced level. Students are exposed to real world projects and industry practice through JCU's involvement with The Australian Research Council Centre of Excellence for Coral Reef Studies, which plays a leading role in multinational research programs and is based on JCU's Townsville campus.

Career opportunities

Marine Biology graduates work around the world in private and public agencies, or as private consultants in fields such as conservation policy and environmental management, impact assessment, tourism and education. Graduates with higher qualifications and research experience can pursue research careers in universities or research organisations.

A selection of subjects for this major include

- Marine Ecology and Environmental Assessment
- Functional Biology of Marine Organisms
- Evolution and Biogeography of Marine Organisms
- Invertebrate Biology
- Biological Oceanography
- Fisheries Science
- Evolution and Ecology of Reef Fishes
- Marine Conservation Biology
- Wetland and Estuarine Ecosystems
- Life History and Evolution of Reef Corals

Mathematics

Course highlights

While some students study mathematics for the beauty of the subject, increasingly students are choosing mathematics to facilitate understanding in a second discipline. At JCU this second discipline may include physics, chemistry, the biological sciences or business and economics.

Career opportunities

Mathematics graduates are in high demand and well paid. Career

paths include applied research (operations, econometrics, biometrics, market research, mathematical modelling, statistical diagnosis, actuarial science), fields where large data sets need to be organised, managed and analysed (oceanography, systems analysis, meteorology, engineering, finance); and mathematics teaching.

A selection of subjects for this major include

- Mathematical Foundations
- Mathematical Techniques
- Mathematics for Scientists and Engineers
- Mathematical Methods and Differential Equations
- Numerical Mathematics
- Applied Complex Variable Theory
- Numerical Methods

Physics

Course highlights

Physics at JCU provides high quality individual support for students in its undergraduate courses. The course includes small group practical and tutorial sessions, carefully designed computer based learning for individual students and regular and informal discussion sessions between staff and students. Students are exposed to real world projects and industry practice through the Australian Research Council's Centre of Excellence for Antimatter-Matter Studies (CAMS) research nodes based at JCU.

Career opportunities

Physics graduates can pursue careers in a wide range of industrial, scientific and educational occupations in fields such as health,

meteorology, environmental monitoring, energy production, telecommunications, and computing.

A selection of subjects for this major include

- Advanced Stream Physics
- Fundamental Physics
- Structure of Matter
- Introduction to Electromagnetism Optics and Thermodynamics
- Mathematics for Scientists and Engineers
- Human Biomechanics
- Electromagnetic Phenomena

Science (General)

Course highlights

Science (General) aims to meet the needs of two groups of students. If you do not meet the prerequisites of the disciplinary majors under the Bachelor of Science degree you can use this general major as a pathway into the disciplinary majors. Alternatively, some students choose to stay in the general major as it offers you the flexibility to complete a wide variety of science subjects from different discipline areas. JCU is renowned for its teaching and research excellence in Science.

Career opportunities

Science graduates can enter careers in their chosen specialty as managers, consultants or technicians. With further qualifications, graduates can qualify for teaching, research and academic careers.

A selection of subjects for this major include

- Preparatory Chemistry
- Preparatory Mathematics

Zoology

Course highlights

JCU is a remarkable place to study Zoology. It is well equipped to make the most of its ready access to the superb richness of the tropical fauna and diverse environments - reef to rainforest, mangrove to mulga, and wetlands to savanna. We have modern laboratories and field stations in a variety of habitats.

Career opportunities

Zoologists work in ecological, educational and conservation related fields including national park management, faunal assessment and species conservation, pest and disease control, university teaching and research, museum collecting, research in zoos and as self-employed consultants.

A selection of subjects for this major include

- Australian Vertebrate Fauna
- Invertebrate Biology
- Ecology and Conservation
- Adaptation to Environmental Change
- Behavioural Ecology
- Wildlife Ecology and Management
- Tropical Entomology
- Population and Community Ecology
- Field Studies in the Equatorial Tropics: Borneo
- Ecological and Conservation Genetics

BACHELOR OF SUSTAINABILITY

Course highlights

The Bachelor of Sustainability is cross-faculty, incorporating conservation, ecology, planning, resource management, tourism, agriculture, ecology, environmental science, social sciences and business. Subjects also take full advantage of the exceptional fieldwork facilities at JCU - from reef to rainforest. Specialisations include Business, Science and Social Science.

Career opportunities

The Bachelor of Sustainability at James Cook University is one of only a few undergraduate degree programs sufficiently innovative and multidisciplinary as to provide students with the opportunity to become sustainability practitioners. Graduates will have the opportunity to take on strategic and policy roles in both government and private industry. Prospective employers include all tiers of government, commerce and industry.

A selection of subjects for this course include

- Environmental Processes and Global Change
- Introduction to Sustainability
- Cradle to Grave: Population, Economy & Environment
- Introduction to Plant Science
- The Diversity of animal Life
- Our Space: Networks, Narrative and the Making of Place

JCU DIPLOMA (PATHWAY) PROGRAMS

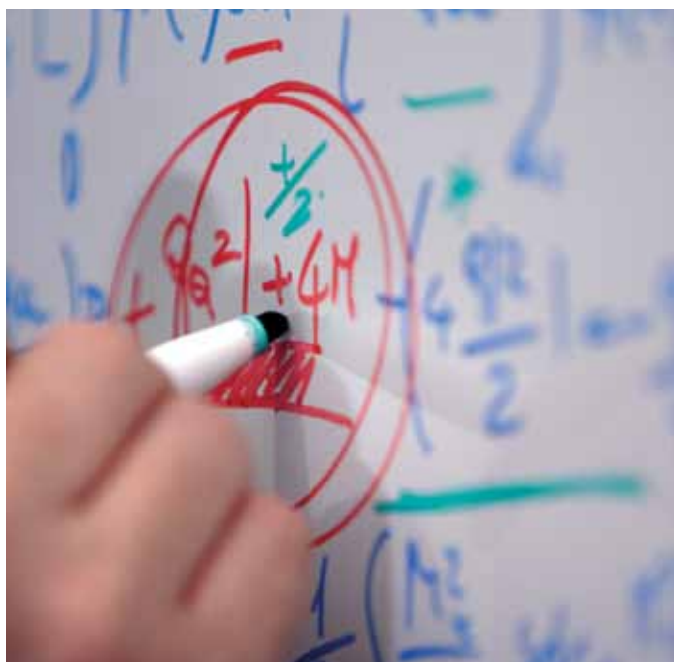
Diplomas are generally designed for people who do not have the academic entry requirements for their preferred course and need a pathway course.

DIPLOMA OF INTRODUCTORY ENGINEERING STUDIES

This is a one-year course of introductory engineering and mathematics subjects. Successful completion may lead to entry to JCU's Bachelor of Engineering depending on subjects studied. Students will be eligible for credit towards the first year of the Bachelor of Engineering after successful completion.

DIPLOMA OF SCIENCE

The Diploma is a flexible, one-year course that combines introductory subjects from the Bachelor of Science. The Diploma is designed for people who do not have the academic entry requirements for their preferred course and need a pathway course, or people who like to try university study before enrolling in a full degree. The course includes a wide variety of subjects and students will receive advanced standing/credit towards a Bachelor of Science for subjects successfully completed.



**NEED
MORE
INFO?**

Visit the Courses and Degrees website
www.jcu.edu.au/courses

JCU Pathway College



The JCU Pathway College is your clear and direct pathway into study at JCU. The College offers a flexible path to university study – with committed teaching staff available to support you at every stage of your journey.

The JCU Pathway College is your clear and direct pathway into study at JCU. The College represents a dynamic partnership between James Cook University and two Institutes of TAFE: the Tropical North Queensland Institute of TAFE (TNQIT) in Cairns and the Barrier Reef Institute of TAFE (BRIT) in Townsville.

The College currently offers a variety of English Language study programs in Townsville and Cairns, allowing you to further your English language while in Australia before starting the JCU degree of your choice. A foundation program and range of diploma programs are planned to be offered under the JCU Pathway College, offering you an academic pathway into JCU studies.

The Pathway College currently operates from the JCU Cairns campus, the Cairns campus of TNQIT, and the Townsville campus of BRIT.

English Language Programs

The JCU Pathway College offers English language programs designed to help you qualify for tertiary study, successfully sit an English language exam or improve your English communication skills. If you meet the academic entry requirements for a degree but not the English Language entry requirements, JCU can issue you with a 'packaged offer' consisting of a period of Academic English language studies through the JCU Pathway College, plus an offer into the JCU degree program. This 'package' will allow you to receive a student visa for the entire duration of your studies. The length of the English study period will

depend on your English language level at the time of application (as determined by an IELTS score or equivalent) and the English requirement for your chosen course.

English for Academic Purposes

English for Academic Purposes is taught through our Direct Entry English Program (DEEP), which will equip you with the English language skills required to study at a tertiary institution in Australia. Classes focus on academic requirements and expectations, and learning strategies needed at a tertiary level. Once you have successfully completed the Direct Entry English Program, you will be eligible to enter a range of certificate and diploma courses at the JCU Pathway College, Tropical North Queensland Institute of TAFE and the Barrier Reef Institute of TAFE, as well as specific undergraduate and postgraduate courses at James Cook University.

General English (GE) Program

General English Intensive courses are also available. Courses are designed to develop your confidence in using English for general purposes. You will improve your skills in speaking, listening, reading and writing, as well as grammar, vocabulary and pronunciation so you can communicate more effectively in English. If desired you can develop your skills in English to a point where you can progress to the Direct Entry English Program (DEEP 1). Courses options range from elementary to advanced levels. For more details on the JCU Pathway College programs visit www.jcu.edu.au/pathwaycollege.



Additional Study Options

The Study Abroad Program at JCU offers you the opportunity to study on campus in Australia or Singapore for one or two semesters and receive credit for your studies at your home institution.



The JCU Study Abroad Program

The JCU Study Abroad program enables students who are enrolled at an institution in their home country to study at JCU for one or two teaching periods (semesters), earning credits towards their degree at their home institution. One of the defining features of studying at JCU is the access to some of the world's most beautiful regions, with many subjects offering the chance to gain hands on experience through our extensive fieldwork options.

As a study abroad student you may wish to take all of your subjects in your major, or you may decide to take subjects across a range of study areas. Hundreds of subjects are on offer for you to choose from, including areas as diverse as coral reef ecology, rainforest science, Indigenous Australian studies, digital media arts and sport and exercise science. Visit www.jcu.edu.au/international/studyabroad for further details.

Credit for Previous Studies

In addition to the James Cook University Pathway College JCU have flexible advanced standing arrangements with other universities and vocational education providers around the world. If you have completed a degree, diploma or university subjects, you may be entitled to advanced standing. For further information on possible credit for previous studies connect to JCU's Advanced Standing Assessor which details our advanced standing arrangements. www.jcu.edu.au/international

JCU Diplomas

JCU Diplomas are designed to give students who fall just short of the bachelor degree academic entry requirements a pathway to enter certain JCU courses. Detailed information about JCU Diploma programs can be found throughout this guide under each relevant Faculty course section or at the Courses and Degrees website www.jcu.edu.au/courses



Academic Entry Requirements

| UNDERGRADUATE DIPLOMAS AND DEGREES | A Levels | Canada - Ontario Secondary School Diploma (OSSD) (%) | Hong Kong (HKDSE) | IB | All Indian School Boards/ State Boards (%) | Ireland Leaving Certificate | Korea Senior High School Diploma |
|---|----------|--|-------------------|-----|--|-----------------------------|----------------------------------|
| FACULTY OF ARTS, EDUCATION AND SOCIAL SCIENCES | | | | | | | |
| Diploma of Arts | 5 | 58 | 15 | - | 55/60 | 330 | - |
| Bachelor of Arts, Education, Languages, Multimedia Journalism, Psychology, Social Sciences, Social Work | 6 | 63 | 16 | 24 | 60/65 | 350 | 3 |
| FACULTY OF LAW, BUSINESS AND THE CREATIVE ARTS | | | | | | | |
| Diploma of Business | 5 | 58 | 15 | - | 55/60 | 330 | - |
| Diploma of Creative Arts | 5 | 58 | 15 | - | 55/60 | 330 | - |
| Diploma of Information Technology | 6 | 63 | 16 | 24 | 60/65 | 350 | 3 |
| Bachelor of Business | 6 | 63 | 16 | 24 | 60/65 | 350 | 3 |
| Bachelor of Creative Industries, New Media Arts | 6 | 63 | 16 | 24 | 60/65 | 350 | 3 |
| Bachelor of Information Technology | 9 | 67 | 19 | 25 | 65/70 | 380 | 3.2 |
| Bachelor of Laws | 10 | 70 | 20 | 26 | 70/75 | 440 | ** |
| FACULTY OF MEDICINE, HEALTH AND MOLECULAR SCIENCES | | | | | | | |
| Bachelor of Biomedical Sciences | 10 | 70 | 20 | 26 | 70/75 | 440 | ** |
| Bachelor of Dental Surgery | 14 | 92 | 24 | 35 | 90/95 | 575 | ** |
| Bachelor of Medical Laboratory Science | 10 | 70 | 20 | 26 | 70/75 | 440 | ** |
| Bachelor of Medicine and Surgery | 14* | 85* | 25* | 35* | 90/95* | 575* | ** |
| Bachelor of Nursing Science | 9 | 67 | 19 | 25 | 65/70 | 380 | 3.2 |
| Bachelor of Occupational Therapy | 13 | 80 | 23 | 32 | 80/85 | 540 | ** |
| Bachelor of Pharmacy | 13 | 80 | 23 | 32 | 80/85 | 540 | ** |
| Bachelor of Physiotherapy | 13 | 80 | 23 | 32 | 80/85 | 540 | ** |
| Bachelor of Science | 10 | 70 | 20 | 26 | 70/75 | 440 | ** |
| Bachelor of Speech Pathology | 13 | 80 | 23 | 32 | 80/85 | 540 | ** |
| Bachelor of Sport and Exercise Science | 9 | 67 | 19 | 25 | 65/70 | 380 | 3.2 |
| Bachelor of Veterinary Science | 14 | 92 | 24 | 35 | 90/95 | 575 | ** |
| FACULTY OF SCIENCE AND ENGINEERING | | | | | | | |
| Diploma of Introductory Engineering Studies | 9 | 68 | 19 | 26 | 62/67 | 420 | - |
| Diploma of Science | 7 | 62 | 17 | 24 | 60/65 | 350 | - |
| Bachelor of Biotechnology | 9 | 67 | 19 | 25 | 65/70 | 380 | 3.2 |
| Bachelor of Business and Environmental Science | 9 | 67 | 19 | 25 | 65/70 | 380 | 3.2 |
| Bachelor of Engineering | 11 | 73 | 21 | 28 | 68/73 | 460 | ** |
| Bachelor of Geology | 9 | 67 | 19 | 25 | 65/70 | 380 | 3.2 |
| Bachelor of Marine Science | 11 | 73 | 21 | 28 | 73/78 | 460 | ** |
| Bachelor of Planning | 9 | 67 | 19 | 25 | 65/70 | 380 | 3.2 |
| Bachelor of Science | 9 | 67 | 19 | 25 | 65/70 | 380 | 3.2 |
| Bachelor of Sustainability | 9 | 67 | 19 | 25 | 65/70 | 380 | 3.2 |

Calculation of scores and additional requirements

A LEVELS: (GCE, Cambridge, Hong Kong). The scores are calculated such as: A=5, B=4, C=3, D=2, E=1, and must include results in not more than three subjects. Advanced Supplementary Levels (AS are the equivalent of half a subject at A Level: A=2.5, B=2, C=1.5, D=1, E=0.5.) Forecast or preliminary A Level results will be considered, for all programs.
A LEVELS (SINGAPORE): The AL (H2)

scores are calculated in not more than three subjects such as: A=5, B=4, C=3, D=2, E=1 with minimum two H2 level subjects. AL (H1) subjects are the equivalent of half a subject. AL (H3) are advanced subjects and calculated as Distinction=6, Merit=5, Pass=4 and can be included in the calculation of not more than three subjects.
CANADA: Based on the average of the best 6 Ontario (OSSD or OAC) subjects as a %.

Hong Kong (HKDSE): Satisfactory Completion of HKDSE - Aggregate score range between 16 points to 25 points depending on course based on the best 5 subjects selected from 4 core subjects (Chinese, English, Mathematics and Liberal Studies) plus 2 electives:
▪ Category A: 5**=6, 5*=5.5, 5=5, 4=4, 3=3, 2=2, 1=1
▪ Category B: Attained with Distinction=3,

Attained=2
▪ Category C: A=2.5, B=2.0, C=1.5, D=1.0, E=0.5

INTERNATIONAL BACCALAUREATE (IB): Aggregate of full Diploma where 7=excellent, 6=very good, 5=good, 4=satisfactory, 3=mediocre, 2=poor, 1=very poor.
INDIA: Scores calculated on a percentage of the best 4 academic subjects in either the All Indian School Boards or State Boards.

The following scores are a guide for entry into JCU undergraduate diplomas and degrees at school-leaving level in 2012. Actual entry requirements may change. Students applying who have completed some university study or other equivalent qualifications will be considered. Explanations of scores can be found at the bottom of the page. For all joint degrees the entry requirements are determined by the degree with the highest entry score. A number of courses have subject pre-requisites which can be found in the Courses and Fees list on page 10. If your country is not listed here, please see page 46 or contact James Cook International.

| Malaysia - Sijil Tinggi Pelajaran Malaysia (STPM) | Norwegian Vitnemål fra den Videregående Skolen | Pakistan Intermediate/ Higher Secondary School % | South African National Senior Certificate (UMALUSI) | Swedish Slutbetyg från Gymnasieskolan | OP/RANK (Australia) | United States of America (ACT score) | United States of America (SAT score) |
|---|--|--|---|---------------------------------------|---------------------|--------------------------------------|--------------------------------------|
| - | 3.3 | 60 | 3.7 | 11 | 20/61 | 20 | 920 |
| 7.33 | 3.5 | 65 | 3.8 | 12 | 19/62 | 22 | 1000 |
| - | 3.3 | 60 | 3.7 | 11 | 20/61 | 20 | 920 |
| - | 3.3 | 60 | 3.7 | 11 | 20/61 | 20 | 920 |
| 7.33 | 3.5 | 65 | 3.8 | 12 | 20/61 | 22 | 1000 |
| 7.33 | 3.5 | 65 | 3.8 | 12 | 19/62 | 22 | 1000 |
| 7.33 | 3.5 | 65 | 3.8 | 12 | 16/67 | 22 | 1000 |
| 8.66 | 3.7 | 70 | 4.4 | 13 | 17/65 | 24 | 1100 |
| 8.99 | 4 | 75 | 5.0 | 14 | 15/69 | 25 | 1150 |
| 8.99 | 4 | 75 | 4.6 | 14 | 10/81 | 25 | 1150 |
| 10.67 | 5.3 | 95 | 6.5 | 18 | 3/96 | 32 | 1400 |
| 8.99 | 4 | 75 | 5.2 | 14 | 8/86 | 25 | 1150 |
| 10.67* | 5.3* | 95* | 6.5* | 18* | 3/96* | 32* | 1400* |
| 8.66 | 3.7 | 70 | 4.6 | 13 | 10/81 | 24 | 1100 |
| 10.33 | 4.6 | 85 | 5.2 | 17 | 8/86 | 29 | 1300 |
| 10.33 | 4.6 | 85 | 6.0 | 17 | 5/92 | 29 | 1300 |
| 10.33 | 4.6 | 85 | 6.3 | 17 | 4/94 | 29 | 1300 |
| 8.99 | 4 | 75 | 4.4 | 14 | 15/69 | 25 | 1150 |
| 10.33 | 4.6 | 85 | 5.2 | 17 | 8/86 | 29 | 1300 |
| 8.66 | 3.7 | 70 | 4.6 | 13 | 10/81 | 24 | 1100 |
| 10.67 | 5.3 | 95 | 6.5 | 18 | 3/96 | 32 | 1400 |
| - | 3.7 | 73 | 4.8 | 12.4 | 14/71 | 24 | 1100 |
| - | 3.6 | 65 | 4.0 | 12 | 20/61 | 22 | 1000 |
| 8.66 | 3.7 | 70 | 4.4 | 13 | 17/65 | 24 | 1100 |
| 8.66 | 3.7 | 70 | 4.4 | 13 | 17/65 | 24 | 1100 |
| 9.33 | 4.2 | 78 | 5.4 | 15 | 12/76 | 26 | 1200 |
| 8.66 | 3.7 | 70 | 4.4 | 13 | 17/65 | 24 | 1100 |
| 9.33 | 4.2 | 78 | 5.4 | 15 | 10/81 | 26 | 1200 |
| 8.66 | 3.7 | 70 | 4.4 | 13 | 17/65 | 24 | 1100 |
| 8.66 | 3.7 | 70 | 4.4 | 13 | 16/67 | 24 | 1100 |
| 8.66 | 3.7 | 70 | 4.4 | 13 | 16/67 | 24 | 1100 |

* Admission is conditional upon a successful interview in person or by videoconference. ** Not eligible for direct entry.

IRELAND: Passes in five subjects including at least three at C level in Higher papers or passes in six subjects including at least two at C level in Higher papers.

KOREA: Overall grade average of final year results. A=4=su, B=3=wu, C=2=mi, D=1=yang, F=Fail=gu.

MALAYSIA STPM: Scores are normally calculated on the best three subjects attempted at one examination, and

are calculated such as: A=4.0, A-=3.67, B+=3.33, B=3.0, B-=2.67, C+=2.33, C=2.0, C-=1.67, D+=1.33, D=1.0, F=0. Forecast or Preliminary STPM results will be considered for all programs except Medicine and Surgery.

NORWAY: GPA scores on a 6.0 grading scale. **PAKISTAN:** Scores are calculated on a percentage of the best 4 academic subjects in the Pakistan Intermediate/Higher Secondary School Certificate.

SOUTH AFRICA: Scores based on the average of 6 subjects (excluding Life Orientation) as a % on a 7.0 grading scale where 7= 80-100%, 6 = 70-79%, 5 = 60-69%, 4 = 50-59%, 3 = 40-49%, 2 = 30-39% and 1 = 0-29%.

SWEDEN: Scores based on a scale where G=10, VG=15, MVG=20. GPA is calculated by multiplying the grade by the amount of hours per subject.

OP/RANK (AUSTRALIA): Refer to QTAC selection ranks to convert OP/RANK to ATAR -OP (QLD Overall Position); Rank (QTAC Selection Rank); ATAR (Australian Tertiary Admission Rank)

USA: High School Diploma or equivalent with an ACT composite score no less than 22 or SAT score (Maths plus critical reading only with no less than 450 in either) no less than 1000.

Academic Entry Requirements

The following is a guide to JCU's minimum academic entry requirements for Bachelor degrees. Some specialist degrees have a higher entry level. If your country is not listed below, please check the table of academic entry requirements on page 44 or enquire at www.jcu.edu.au/international. Students who have already completed an undergraduate degree (or part of) in their home country are also able to apply to study an undergraduate degree at JCU and may be eligible for credit.

| Country | Requirement | Country | Requirement |
|--------------------|---|-----------------------------|---|
| Afghanistan | Satisfactory completion of one year of study at a higher education institution or approved foundation program | Laos | Satisfactory completion of one year of study at a higher education institution or approved foundation program |
| Austria | Reifeprüfungszeugnis or Matura | Libya | Satisfactory completion of one year of study at a higher education institution or approved foundation program |
| Azerbaijan | Satisfactory completion of one year of study at a higher education institution or approved foundation program | Maldives | Advanced Level passes in the General Certificate of Education |
| Bangladesh | A minimum score of 65% or better in the Higher Secondary School Certificate. Higher Secondary School Certificate (10+2 years of schooling) conducted by the Bangladesh Board of Intermediate and Secondary Education. | Mauritius | Advanced Level passes in the General Certificate of Education |
| Brazil | "Diploma de Ensino Médio" (Middle Education Diploma) or the old award, the "Certificado de Conclusão de 2º Grau" (Certificate of Conclusion of Second Level) with a minimum GPA of 8 out of 10 (average of all scores gained during their studies) | Mexico | "Preparatória" with a minimum GPA of 8 out of 10 (average of all scores gained during their studies) |
| Chile | Satisfactory completion of one year of study at a higher education institution or approved foundation program | Myanmar | Satisfactory completion of one year of study at a higher education institution or approved foundation program |
| China | Gao Kao score required for entry into a second tier university in the relevant province, or successful completion of one year or more of full-time tertiary study or equivalent; or Hui Kao score of 80% for Business, IT and Arts; 85% for Diploma of Science and Engineering students | Nepal | Satisfactory completion of one year of study at a higher education institution or approved foundation program |
| Colombia | Satisfactory completion of one year of study at a higher education institution or approved foundation program | Netherlands | Successful completion of 'Voorbereidend Wetenschappelijk Onderwijs' Diploma; or 'Hoger Algemeen Voortgezet Onderwijs' Diploma |
| Denmark | Studentereksamen, Højere forberedelseksamen or Højere handelseksamen or Højere Tekniskeksamen | New Zealand | Satisfactory completion of the National Certificate of Educational Achievement (NCEA) with a minimum of 80 credits which includes 60 credits at Level 3 and 20 credits at Level 2 |
| Ecuador | Satisfactory completion of one year of study at a higher education institution or approved foundation program | Nigeria | Satisfactory completion of one year of study at a higher education institution or approved foundation program |
| Egypt | Satisfactory completion of one year of study at a higher education institution or approved foundation program | Papua New Guinea | Satisfactory completion of the NSW, ACT, QLD, or PNG HSC from Port Moresby International School, Coronation College or St Joseph International Catholic School curriculum or equivalent |
| Fiji | Satisfactory completion of Form 7 or the University of the South Pacific Foundation Year | Peru | Satisfactory completion of one year of study at a higher education institution or approved foundation program |
| France | Baccalauréat General, Baccalauréat Technologique or Baccalauréat de L'Enseignement du Second Degré | Philippines | Satisfactory completion of one year of study at a higher education institution or approved foundation program |
| Germany | Abitur, Fachhochschulreife or Reifezeugnis or with a minimum entry requirement of 4.0 (ausreichend) | Russia | Satisfactory completion of one year of study at a higher education institution or approved foundation program |
| Indonesia | Satisfactory completion of SKHUN/STK/University Entrance Examination | Saudi Arabia | Satisfactory completion of one year of study at a higher education institution or approved Foundation program |
| Iran | Satisfactory completion of one year of study at a higher education institution or approved foundation program | Taiwan | Senior High School Leaving Certificate (Diploma) with average B grade in 5 main subjects |
| Iraq | Satisfactory completion of one year of study at a higher education institution or approved foundation program | Tanzania | Advanced Certificate of Secondary Education (must include a minimum of two principal passes in subjects) |
| Italy | Diploma di Maturita, Esame di Stato | Thailand | Satisfactory completion of the Matayom 6 Thai Certificate of Secondary Education with a minimum GPA of 2.7 |
| Japan | Upper Secondary School Certificate of Graduation (Kotogakko Sotsugyo Shosho or 高等学校) | Turkey | Satisfactory completion of one year of study at a higher education institution or approved foundation program |
| Jordan | Satisfactory completion of one year of study at a higher education institution or approved Foundation program | Uganda | Uganda Advanced Certificate of Education (A-Levels) PLUS Uganda Certificate of Education with passes in 6 subjects |
| Korea | Korea Senior High School Leaving Certificate/Diploma with a minimum overall grade average of 3 based on the final year results as follows: A=4, B=3, C=2 and D=1 | United Arab Emirates | Satisfactory completion of one year of study at a higher education institution or approved foundation program |
| Kuwait | Satisfactory completion of one year of study at a higher education institution or approved foundation program | Vietnam | Successful completion of Year 11 and 12 (Senior Secondary School) with an average of 7.5 for Bachelor degree entry or 7.0 for Diploma degree entry |
| | | Zimbabwe | GCE Advanced Level (A Level) |

English Language Requirements

Students whose native language is not English must generally demonstrate their proficiency by achieving a score in a test such as Academic IELTS, TOEFL or Pearson (PTE Academic) (see table below). Other English language tests may also be accepted as proof of English language proficiency. Students who have successfully completed two years of full-time study in which the language of instruction was English may satisfy the entry requirement.

| | Band 1 | Band 2 | Band 3a | Band 3b | Band 4 |
|-------------------------------|--|--|---|---|---|
| IELTS | 6.0 (no component lower than 5.5) | 6.5 (no component lower than 6.0) | 7.0 (no component lower than 6.5) | 7.0 (with 7.0 in three components and 6.5 in one component) | 7.0 (no component lower than 7.0) |
| TOEFL (paper-based) | 550 (with a minimum Test of Written English score of 4.0) | 570 (with a minimum Test of Written English score of 4.5) | 577 (with a minimum Test of Written English score of 5.5) | 577 (with a minimum Test of Written English score of 5.5) | 577 (with a minimum Test of Written English score of 5.5) |
| TOEFL (internet-based) | 79 (minimum writing score of 19) | 90 (minimum writing score of 21) | 100 (minimum writing score of 23) | 100 (minimum writing score of 23) | 100 (minimum writing score of 23) |
| Pearson (PTE Academic) | 57 | 64 | 72 | 72 | 72 |
| | Band 1 | Band 2 | Band 3a | Band 3b | Band 4 |
| | All undergraduate degrees except Bachelor of Biomedical Sciences, Dental Surgery, Education, Laws, Medicine/ Surgery, Medical Laboratory Sciences, Nursing Science, Occupational Therapy, Pharmacy, Physiotherapy, Social Work, Speech Pathology, Sport and Exercise Science, Veterinary Science | Bachelor of Laws, Biomedical Sciences, Medical Laboratory Sciences, Occupational Therapy, Sport and Exercise Science | Bachelor of Nursing Science, Pharmacy, Physiotherapy, Social Work, Veterinary Science | Bachelor of Dental Surgery, Medicine/ Surgery | Bachelor of Education |

Bachelor of Speech Pathology: An overall IELTS of 7.0 (with a minimum writing score of 6.0; minimum speaking score of 8.0; minimum reading and listening score of 7.0).

JCU will only accept IELTS test as evidence of English Language for the following programs: **Bachelor of Dental Surgery, Bachelor of Medicine/Surgery, Bachelor of Nursing.**

If you meet the academic requirements but not the English language entry requirement, you may be given a packaged Offer. This combines studying English at the JCU Pathway College or other approved provider, plus your offer of placement in a JCU academic program. This will allow you to get a student visa for the total length of your studies in Australia.

For more information, please contact International Admissions by emailing iscadmissions@jcu.edu.au.

Please note that the Department of Immigration and Citizenship (DIAC) also has certain rules relating to student visas which, depending on the visa assessment level of your country of citizenship, may require you to sit an English test even though you meet other English language requirements set by JCU.

DID YOU KNOW?

JCU Pathway College courses will qualify you for direct entry into related degree programs at James Cook University.

Student Services



JCU provides a full range of support services for students to help make the most of their time at university. Whether you need help with an assignment, finding accommodation, or just need someone to talk to, there are dedicated services on campus to assist you.

James Cook International

The James Cook International office assists every international student at JCU to ensure his or her stay in Australia and at the University is a pleasant and productive one. The international office should be your first point of contact if you need assistance. It provides a range of support services and information for students including

- preparing for arrival information
- free arrival reception service
- temporary accommodation bookings
- orientation program
- social activities
- accommodation information
- off campus accommodation tours
- orientation tours of Townsville or Cairns cities
- assistance in emergencies
- personal well-being and welfare support
- after hours student assistance helpline
- Overseas Student Health Cover (OSHC) information
- student advice, advocacy and referral
- course admission procedures
- returning home program

www.jcu.edu.au/international

Learning Skills

Learning advisers provide academic support for all JCU students. Workshops, online tutorials and individual sessions are available to help with: assignment writing, lecture note taking, organisational skills, exam preparation, research skills and

support for students from non- English speaking backgrounds.

www.jcu.edu.au/learningskills

Multi-faith centre

This centre caters for students from a diverse range of religious backgrounds and is available at the Cairns and Townsville campuses. It provides pastoral care, spiritual and religious support for students. The International office can also provide advice to students on local places of worship.

www.jcu.edu.au/chaplaincy

Counselling

A confidential, free counselling service is provided for students at the Townsville and Cairns campuses by qualified psychologists for a wide range of academic and personal needs.

www.jcu.edu.au/student/counselling

JCU Student Association

The JCU Student Association is directed by elected students and, for a membership fee, provides services and amenities to students. These include: student representation to the University, student welfare issues, entertainment, sports facilities and food outlets on the Cairns and Townsville campuses.

www.jcu.edu.au/studentassoc

Careers and Employment Service

The JCU Careers and Employment Service provides information and advice on careers,



employment and further study to current JCU students and graduates. Free services include

- online job finder, including part-time and vacation jobs
- career advice
- on-campus career fairs
- access to computer-based career guidance programs to help with career choices

www.jcu.edu.au/careers

Retail services

The Townsville campus has a selection of cafés and student eateries. The Cairns campus has a Refectory (student eatery) and café at the library. JCU Bookshops on the Townsville and Cairns campuses offer student discounts on books and stationery. The Townsville and Cairns campuses have ATMs and agencies for the Uni Credit Union. In Townsville there is a post office and a hairdresser. For Cairns students, a post office, branches of all the major banks plus a range of other shopping facilities

are located at the Smithfield Centre, about one kilometre (half a mile) from the campus.

Students with disabilities

Specialist services are available to students with permanent or temporary disabilities who may require additional information, support or resources. These include a range of technologies, to assist students to access teaching and assessment alternatives, and special arrangements for note taking and examinations. If you need these services, you should contact Accessibility Services as soon as you accept your offer, to discuss your needs.

www.jcu.edu.au/office/disability

Leading technology

As a student at JCU you will enjoy access to the latest technology and a wealth of electronic resources. You'll have your own e-mail account and be able to access the JCU network to search and borrow books

from the JCU Library catalogue, submit assignments, contact your lecturers, take part in online class discussions and more. LearnJCU is a web resource for all JCU subjects, providing study resources, reading lists, notice boards, your own web page and discussion forums. eStudent presents enrolment details, lecture timetables, on-campus activities and more.

PC and Macintosh laboratories are available on all campuses. Selected computer laboratories are open 24 hours, seven days a week, offering printing facilities on a user-pays basis. Wireless zones let you access the web from your laptop computer at selected sites on campus.

Library

The JCU Library is one of the best in regional Australia, with the campuses of Townsville and Cairns owning a combined collection of almost half a million volumes. Books can be ordered online and delivered between

campuses. Over 24,000 unique electronic journals are accessible as part of a rapidly expanding collection of electronic resources. Librarians provide in-depth assistance to students.

www.jcu.edu.au/libcomp

JCU Professional College

To complement the skills and knowledge students gain through their studies, the JCU Professional College extends opportunities to students for professional and personal development.

The college's programs focus on building leadership capabilities, professionalism, productive networks and cross-cultural skills to give JCU graduates a career-building edge. All JCU students are members of the Professional College with access to a range of programs in three modules: Leadership, Community Engagement and Cultural Competency.

www.jcu.edu.au/procollege



DID YOU KNOW



JCU's Townsville and Cairns campuses offer a special after-hours (nights and weekends) telephone hotline for international students. Students can access the number free of charge from an Australian landline phone by calling **1800 754 185**.

Accommodation



Townsville and Cairns offer a range of housing options for students. Purpose-built student accommodation is available on-campus in Townsville in halls of residence or colleges. In Cairns, privately owned and operated student residences are available near the campus.

James Cook University's Accommodation Service helps students with on-campus accommodation in halls of residence and colleges, as well as in private rental or shared accommodation (off-campus). For students who prefer off-campus accommodation, the service maintains a register of houses, units, apartments, shared accommodation, home stay and caretaker arrangements. The Service also provides tenancy information and advice on how to rent a private house or unit.

A wide range of quality housing is available for rent near the Townsville and Cairns campuses, and students may find that renting privately is an affordable alternative to living on campus.

Townsville Accommodation

On-campus accommodation is available at the Townsville campus for international students. Applications are considered from 1 September for the first teaching period/semester of the following year, and from 1 May for the second teaching period/semester and can be submitted by applying online through the JCU Accommodation Service website at www.jcu.edu.au/accommodation

A \$50 application fee applies for all students.

JCU Halls of Residence managed by JCU include

- University Hall
- George Roberts Hall

- Western Courts
- Rotary International House

The halls provide accommodation for more than 800 students in a variety of full board and self-catering (Rotary International House only), single and twin-share rooms and townhouses www.jcu.edu.au/jcu halls

John Flynn College provides catered accommodation for 200 male and female students on campus www.johnflynn.org

St Mark's College has catered accommodation for 153 male and female students <http://stmarks.jcu.edu.au>

The Combined Catholic Colleges of St Raphael and St Paul consist of catered single study/bedroom accommodation for 90 male and 60 female students in separate wings. St Raphael's College provides catered accommodation for 74 female students in single study/bedrooms www.cathcollegesjcu.edu.au

Please note students do not need to belong to any particular faith in order to stay at any of the JCU residential colleges.

Cairns Accommodation

The following accommodation options are located near the Cairns campus and are independently owned and operated. In addition to this there are an abundant number of accommodation rental options in the area.

Cairns Student Lodge: Situated 400 metres (approximately 1300 feet) from the JCU Cairns campus. Fully catered



accommodation is provided and facilities include Internet access, a swimming pool, barbecue area, volleyball courts, dining room, conference facilities and an on-site manager. Cairns Student Lodge is linked to the JCU campus by a pedestrian walkway/bicycle path. www.studentlodge.com.au

The Beaches Apartments:

Just a 10-minute walk from the JCU Cairns campus. Furnished two bedroom/two bathroom apartments in a secure, resort style complex with an on-site manager. The Beaches has two free style swimming pools, one lap pool, a gymnasium, two BBQ areas with showers and toilets, a tennis court, study area and small putting green. For further information email joeleen@glencorp.com.au

Singapore Accommodation

Students at JCU Singapore are offered assistance with finding off-campus accommodation, usually in student hostels close to the campus. For more information on accommodation please send your enquiries to isc@jcu.edu.sg

Brisbane Accommodation

Accommodation options in Brisbane include purpose-built student apartments such as Uni Lodge (www.unilodge.com.au) and Southbank Campus Apartments (www.southbankcampus.com.au) plus home stay families, and private rentals. For more accommodation information contact JCU Brisbane at jcubrisbane@jcu.edu.au

DID YOU KNOW



Further information about private rental, share accommodation or boarding options can be obtained from the JCU Accommodation Service website at www.jcu.edu.au/accommodation

EXAMPLES OF HOUSING OPTIONS AND MEDIAN COSTS IN TOWNSVILLE, CAIRNS AND BRISBANE

| Type of Accommodation | Townsville A\$/week | Cairns A\$/week | Brisbane A\$/week |
|-----------------------|---------------------|-----------------|-------------------|
| Off Campus | | | |
| 1 bedroom flat/unit | \$230 | \$185 | \$290 |
| 2 bedroom flat/unit | \$275 | \$250 | \$380 |
| 3 bedroom flat/unit | \$400 | \$320 | \$475 |
| 3 bedroom house | \$340 | \$300 | \$390 |
| 4 bedroom house | \$390 | \$365 | \$470 |
| 2 bedroom townhouse | \$285 | \$235 | \$365 |

All costs are median weekly rents and are correct for November 2011 in suburbs nearest JCU campuses only and subject to increase. Based on information from the Residential Tenancies Authority Queensland. www.rta.qld.gov.au/median_rents.cfm

| On Campus | | | |
|------------------|---------------|--------------------|-----|
| Full-board | \$245 – \$280 | Cairns Lodge \$265 | N/A |
| Self-catering | \$150 – \$190 | Cairns Lodge \$155 | N/A |

www.jcu.edu.au/jcu halls/money

Please note

Students who have booked accommodation on campus may have to find independent accommodation off campus for one or two nights if arriving before the college residence opens. The James Cook International office assists students with booking temporary accommodation. The JCU Orientation program, introducing new students to life at the university, is held the week before classes commence each teaching period. All international students are required to attend.



Important Information

2013 Study Dates (Townsville and Cairns)

| Teaching Period One 2013 (Semester One) | |
|---|--------------------------|
| Arrival service | 11 - 17 February |
| Orientation | 18 – 22 February |
| Classes begin | 25 February |
| Mid-semester recess | 15 – 19 April |
| Classes end | 27 May |
| Study/Exam Period | 10 – 21 June |
| Teaching Period Two 2013 (Semester Two) | |
| Arrival service | 15 - 21 July |
| Orientation | 22 – 26 July |
| Classes begin | 29 July |
| Mid-semester recess | 30 September – 4 October |
| Classes end | 28 October |
| Study/Exam Period | 11 – 22 November |



In 2012, classes begin on 20 February (teaching period one) and 23 July (teaching period two). Other 2012 dates can be found online at www.jcu.edu.au/international

Singapore and Brisbane

Singapore and Brisbane operate different academic calendars. Please check the individual campus websites for details.

Financial Aid and Scholarships

Financial aid and scholarship opportunities are limited and generally not available from Australian sources. Students are advised to explore what funding options (ie loans, grants, subsidies, sponsorships, scholarships and other awards or benefits) are available from sources within their home country. JCU is familiar with some financial aid and scholarships that are available to students from specific nationalities and criteria; these are listed below. For more information, refer to the JCU scholarships website at www.jcu.edu.au/scholarships

Financial Aid – Loans and Grants

Students from the following countries may be eligible to apply for loans, and in some cases grants or other non-repayable types of funding, from their government or a financial institution. Generally student loans must be repaid once study has ceased.

Canada

- Canadian federal and provincial student loans (i.e. Ontario Student Assistance Program, etc)

Germany

- German study grant scheme (BAföG)

India

- Credila Indian Student loan program

Netherlands

- Studiefinanciering

Scandinavia

- Scandinavian student loan programs (CSN, Statens Lånekasse, Statens Uddannelsesstøtte)

USA

- US Federal Aid (Stafford/PLUS)
- US private education loans (Sallie Mae)
- US Veterans Affairs

For more information on financial aid/loan programs email ISCFinance@jcu.edu.au.

Australian Development Scholarships (ADS)

JCU has welcomed hundreds of AusAID students from the developing world over the years, funded by the Australian Agency for International Development (AusAID). JCU has staff dedicated to ensuring that all AusAID students are provided with quality academic and personal support during their studies. For information on these services and about AusAID students at JCU visit www.jcu.edu.au/international/ausaid or email AusAID@jcu.edu.au.

For further information about the ADS and AusAID schemes, including eligibility and how to apply, please visit the AusAID website www.usaid.gov.au

Other Scholarships and Grants

JCU offers a limited number of scholarships and grants to international students, however these are generally based on

academic merit only. For more information, refer to the JCU scholarships website www.jcu.edu.au/scholarships

Sponsorships

Students seeking sponsorship must undertake to do so of their own accord as JCU cannot provide assistance in this area. Students who have secured formal sponsorship from an employer or other organisation should contact JCU to see whether the company can be recognised as an official JCU sponsor. Official JCU sponsors accept financial liability for tuition fees payable for the duration of the academic program, and JCU will deal directly with the sponsor in relation to all tuition fee matters. For more information on official JCU sponsorship email ISCFinance@jcu.edu.au.

Planning Your Budget

University study involves a range of expenses including living and study costs. Some are fixed and some will vary, depending on the type of course you are studying, and your lifestyle.

Tuition Fees

Tuition fees vary between degrees and increase each new calendar year. Fee information for JCU degrees in Australia is given on page 10 of this publication, and for Singapore fees see page 8. Fee information is also available online at www.jcu.edu.au/international/fees

Other costs

In addition to annual tuition fees, international students should be aware of the following costs:

Overseas Student Health Cover (OSHC)

Students are required to organise private health insurance before coming to study in Australia and are expected to maintain this

insurance for the duration of their visa. Norwegian, Swedish and Belgian citizens do not require OSHC. OSHC is only available to student visa holders. Students who arrive in Australia without a student visa will not have access to OSHC until their student visa is granted. JCU organises OSHC membership for students who will be applying for a student visa.

Fees vary depending on the length of your student visa and are subject to change. OSHC fees are approximately A\$197 for six months/A\$395 for one year. Fees are subject to change.

Student Services and Amenities Fee

The Student Services and Amenities fee provides students access to services that enhance your student experience through student life, student representation and advocacy. The fee for 2012 is \$263 and is subject to change for 2013.

Books and miscellaneous study expenses

Approximately A\$400 is required per teaching period/semester for books. Other study costs, depending on the course, may

include: field trip costs, lab equipment, stationery, subject handbooks and calculator. It is also suggested that the costs for a computer/laptop be factored into your overall costs.

APPROXIMATE LIVING COSTS

| | Townsville/ Cairns (A\$) | Brisbane (A\$) | Sydney/ Melbourne (A\$) | Singapore (S\$) |
|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Rent (share only) | \$100–\$130 | \$130–\$150 | \$150–\$180 | \$90 |
| Food | \$70 | \$70 | \$100 | \$65 |
| Electricity | \$20 | \$30 | \$30 | \$20 |
| Transport/ Travel | \$25–\$30 | \$25–\$30 | \$40–\$50 | \$40 |
| Miscellaneous | \$60 | \$70 | \$85 | \$85 |
| TOTAL PER WEEK | \$275–\$300 | \$315–\$340 | \$405–\$445 | \$285 |
| TOTAL PER YEAR | \$14,300– \$16,120 | \$16,900– \$18,200 | \$21,060– \$23,140 | \$16,900– \$17,940 |

All costs are approximate and subject to change. Rent is based on sharing a privately rented house. See Accommodation on page 51 for more information.

Australian Visa Information

It is essential that you apply for an Australian student visa before arriving in Australia. To apply you need to contact your nearest Australian Embassy, Consulate or High Commission. www.dfat.gov.au/missions

You can also contact the Department of Immigration and Citizenship (DIAC). The DIAC website contains comprehensive information about applying for visas, student work rights and restrictions, health requirements, and FAQs (Frequently Asked Questions) about student visas www.immi.gov.au/immigration.htm

Working as a student

Under Australian immigration regulations, students on a student visa may work up to 20 hours per week during university teaching periods and without restriction during university vacations. Permission to work in Australia will be automatically included when you are granted your student visa. The JCU Careers and Employment Service can provide information on part-time and casual employment and manage an online job vacancy listing for students.

Working rights for your partner

If your spouse is joining you, he or she can also work while you are studying in Australia and can apply for a permission to work visa. The work conditions for your spouse will vary depending on the degree that you are taking.

Bringing your family

Your spouse and children can join you in Australia but each family member must be added to the student visa application, and certain conditions will apply depending on the age of each

member. If you have children who will be attending school while in Australia, you will have to pay school fees for them. These fees vary and can be as much as A\$10,120* per year per student attending a Queensland State School. Family members joining you in Australia will be included in your Overseas Student Health Care cover, which may affect your premiums.

www.eqj.com.au/programs/dependant-student.html#fees

*This fee can change from year to year and is payable on applications where school name is unconfirmed at the time the application is made. This fee will be refunded if EQJ is advised of school name within two weeks of a student's nominated start date. If this required notice is not given, students will not receive a refund of this fee.

How to Apply

Step 1

Select the course you would like to study at JCU, taking note of the duration, cost and campus availability. You may wish to include a second course preference.

Application deadlines

- 1 January for Teaching Period 1 (Semester 1)
- 1 June for Teaching Period 2 (Semester 2)

The following course have earlier application deadlines

- **Bachelor of Medicine, Bachelor of Surgery (MBBS), Bachelor of Dental Surgery and Bachelor of Veterinary Science**
Closing date is the last Friday in September. Applicants must also complete a separate application form provided by the Faculty. www.jcu.edu.au/fmhms/forms

Step 2

Send your completed application form with all supporting documentation, including certified academic transcripts and/or work experience, and Academic IELTS/TOEFL scores (if required) to James Cook International or lodge your application with one of JCU's authorised overseas representatives. Your academic transcripts must be accompanied by the grading scale/key used at the institution where you have undertaken your studies. Representative details can be found at www.jcu.edu.au/international/jcurepresentatives

If documentation is in a language other than English, an official certified translation must be included and translated by the issuing institution or by an official translating service.

Step 3

We will assess your application based upon academic and English entry requirements for your preferred course.

Step 4

If your application is successful, we will generate an electronic Offer which you will receive by e-mail. The Offer letter includes

- name and duration of the degree you have been accepted into
- any credit you have been awarded for previous study (if course syllabus of previous subjects provided with your application)
- tuition fees, student services and amenities fee and Overseas Student Health Cover

Links to

- [Preparing for Arrival at JCU](#)
- [Accommodation information.](#)

Step 5

Once you have received your Offer, please complete and sign the Acceptance and Payment Agreement form and meet any conditions outlined in your Offer Schedule and return it to James Cook International or your JCU representative, along with any payment as set out in your Offer letter.

Step 6

We will then issue you an electronic Confirmation of Enrolment (eCOE). This is the document you will need to obtain a student visa for Australia. Further details will be provided upon acceptance of your Offer.

Step 7

Use your eCOE to obtain a student visa from your nearest Embassy or Consulate in your home country. Please note that visa applications can take up to three months or more to process, depending on your nationality and/or the country you are applying from.

Step 8

Once you have a student visa, you are ready to begin your study at JCU.

DID YOU KNOW

You can also apply online or download an application form at www.jcu.edu.au/international/apply

CHECKLIST

Make sure you have included all required documents before sending your application to JCU. Check that you have

- ✓ Answered all questions
- ✓ Included all certified academic transcripts and certificates
- ✓ Supplied English language test results (if applicable)
- ✓ Read and signed the declaration
- ✓ Made a copy of all documents for your records
- ✓ Once complete, please forward your application to your JCU campus of choice (details on back of application form)

Application for admission to an Undergraduate Course

| PERSONAL DETAILS | | | | | |
|---|------------------------------|-----------------------------|---|-----|--|
| Family Name | | | Title e.g. Mr/Mrs/Dr | | |
| Given Names | | | Male <input type="checkbox"/> Female <input type="checkbox"/> | | |
| Permanent address in home country | | | | | |
| Telephone number in home country | | | | | |
| Fax number in home country | | | | | |
| Address (where we can contact you about your application). If applying through an agent, please put the agent's details here. | | | | | |
| Country in which you are submitting this application | | | | | |
| Telephone | | Mobile/Cell Phone | | Fax | |
| Email (Where we can contact you about your application) | | | | | |
| Date of Birth | Day | Month | Year | | |
| Citizenship | | | Country of Birth | | |
| Do you hold a current Australian visa? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | If yes, please give category of visa | | |
| Do you have a disability, psychological or medical condition which may affect your studies? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | | | |
| If yes, attach supporting documents | | | | | |
| Will you be bringing family members on a dependant student visa? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | | | |

| ENGLISH LANGUAGE PROFICIENCY | | | | | |
|---|---|-------------------------------------|---|---|--|
| English is the main language spoken in my home | <input type="checkbox"/> Yes | <input type="checkbox"/> No | | | |
| If no, please indicate language | | | | | |
| <input type="checkbox"/> I will have / or have taken an | <input type="checkbox"/> IELTS test | <input type="checkbox"/> TOEFL test | within the past two years (please tick appropriate box) | | |
| on | Day | Month | Year | <i>Please attach original documentation</i> | |
| <input type="checkbox"/> I have undertaken studies (secondary/high school/university) | for a minimum of two years in which the language of instruction was English. <i>Please attach documentary evidence.</i> | | | | |

| PREFERRED COURSE | | | | | |
|--|-------------------------------------|---|-------------------------------------|--|---|
| Name of Course (1st choice) | e.g. Bachelor of Business | | | | |
| Major | e.g. Marketing | | | | |
| Name of Course (2nd choice) | | | | | |
| Major | | | | | |
| I wish to study at (tick one only) | <input type="checkbox"/> Townsville | <input type="checkbox"/> Cairns | <input type="checkbox"/> Singapore | <input type="checkbox"/> Brisbane | PLEASE NOTE: NOT ALL PROGRAMS ARE AVAILABLE AT ALL CAMPUSES. |
| When would you like to start your studies: | | | | | |
| Townsville or Cairns | Teaching Period (semester) | <input type="checkbox"/> One (February) | <input type="checkbox"/> Two (July) | Year | |
| Singapore or Brisbane | Trimester | <input type="checkbox"/> One (February) | <input type="checkbox"/> Two (June) | <input type="checkbox"/> Three (October) | Year |

EDUCATIONAL QUALIFICATIONS

| NAME OF SCHOOL OR INSTITUTION | NAME OF QUALIFICATION OR COURSE | YEARS ATTENDED (MONTH/YEAR TO MONTH/YEAR) | COURSE COMPLETED (YES/NO) |
|-------------------------------|---------------------------------|--|------------------------------|
| | | | |
| | | | |
| | | | |

Please attach certified copies of transcripts of all academic records. (A certified copy means a stamped photocopy signed by a public notary or institution representative or authorised JCU agent as being a true and accurate record of the original document). All documents must be translated into English by the issuing institution or by an official translating service.

CREDIT FOR PREVIOUS STUDY

Are you applying for credit for previous studies? Yes No

If yes, please attach the course syllabus for each of the subjects you wish to seek credit for. If your educational institution has an articulation agreement with JCU, you are not required to submit this documentation.

FINANCIAL SPONSOR

I am being sponsored by the organisation whose details are attached. *Attach official letter to application.*

Other

DECLARATION

DECLARATION (All applicants must complete)

I declare that the information I have supplied on the application form is, to the best of my knowledge, complete and correct. I acknowledge that my application for admission is subject to acceptance by the University which has power to impose conditions. I further acknowledge that in the event my application for admission as a student at the University is accepted by the University, and in consideration of provision of educational resources by the University, I will be bound by the provisions of the relevant student handbooks, statutes, rules and policies of the University as are in force from time to time, and will be subject to the lawful instructions of officers of the University.

PRIVACY

Personal information supplied on this form will be handled in accordance with JCU's Privacy Policy (available at www.jcu.edu.au).

I acknowledge that this information may be provided to other areas of JCU and to third parties for administrative and legislative purposes (under the ESOS Act 2000 and the National Code), including but not limited to the JCU Student Association; JCU's educational representatives and business partners; Australian Commonwealth and State agencies; other academic institutions to verify my previous qualifications; the Fund Manager of the ESOS Assurance Fund; and my Overseas Student Health Cover (OSHC) provider.

Signature

Date

Please send all completed forms to one of the following JCU locations, or to one of JCU's approved agents, listed online at www.jcu.edu.au/international/jcurepresentatives

Townsville and Cairns campuses

International Admissions
James Cook International
Townsville QLD 4811
Australia
Phone: +61 7 4781 5601
Fax: +61 7 4781 5988
Email: iscadmissions@jcu.edu.au

Singapore campus

Admissions Office
James Cook University Singapore
600 Upper Thomson Road
Singapore 574421
Phone: +65 6576 6833
Fax: +65 6455 2833
Email: admissions@jcu.edu.sg

Brisbane campus

International Admissions
James Cook University Brisbane
349 Queen Street
Brisbane QLD 4000
Australia
Phone: +61 7 3001 7800
Fax: +61 7 3001 7899
Email: admissions@jcub.edu.au

Getting to James Cook University

Townsville

Three airlines (Qantas, Virgin Blue and Jetstar) fly from Brisbane (the capital of Queensland) to Townsville several times a day and there are numerous flights from all around the world into Brisbane. Another option for getting to Townsville is flying directly to Cairns and then taking the 50-minute shuttle flight to Townsville. Students at the Townsville campus are strongly recommended to fly into Townsville, as it is a 4-hour drive from Cairns and a 16-hour drive from Brisbane. There are also regular, direct flights from Sydney and Melbourne into Townsville.

Cairns

Cairns has Australia's fifth busiest international airport. There are direct flights from Japan (four cities), Hong Kong, Papua New Guinea, New Zealand, Micronesia, Bali and Singapore, with more routes planned for the future. Numerous airlines fly from Sydney and Brisbane into Cairns daily.

Singapore

Singapore is an international destination with daily flights to and from the citystate from all over the world.

Brisbane

Brisbane has a large international airport with flights daily to and from countries all over the world.

● Singapore

● Cairns

● Townsville

● Brisbane

● Sydney

Melbourne ●

AUSTRALIA

Where we are

| By Air | |
|---------------|--------------------|
| Townsville to | |
| Cairns | 50 minutes |
| Brisbane | 1 hour 45 minutes |
| Sydney | 2 hours 45 minutes |
| Melbourne | 3 hours 30 minutes |

| By Road | |
|---------------|----------|
| Townsville to | |
| Cairns | 4 hours |
| Brisbane | 16 hours |
| Sydney | 27 hours |
| Melbourne | 31 hours |

PHOTOS: Tourism Queensland, Insight Creative, Rob Parsons, Brad Newton Photography and Andrew Rankin Photography

DESIGN: Zephyrmedia

James Cook University 2013 International Undergraduate Prospectus is published by James Cook International, James Cook University, January 2012. This publication is intended as a general introduction to James Cook University. All care has been taken to ensure information is correct at the time of printing. If you wish to apply to the University, contact any of its offices to confirm current admission requirements. The University reserves the right to alter any admission requirement or degree included in this publication without prior notice.

For information about postgraduate studies, see the separate publication James Cook University 2013 International Postgraduate Prospectus.

CRICOS Provider Code: 00117J

Contact us

Townsville

James Cook International
Townsville QLD 4811
Australia

Phone: + 61 7 4781 5601

Fax: + 61 7 4781 5988

Enquire online at www.jcu.edu.au/international

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James Cook International
Cairns QLD 4870
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Phone: + 61 7 4042 1438

Fax: + 61 7 4042 1580

Enquire online at www.jcu.edu.au/international

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600 Upper Thomson Road
Singapore 574421

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Fax: + 65 6455 2833

Email: enquiries@jcu.edu.sg

Web: www.jcu.edu.sg

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Australia

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Fax: + 61 7 3001 7899

Email: admissions@jcub.edu.au

Web: www.jcub.edu.au

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