



Bachelor of Arts - Bachelor of Science

JAMES COOK
UNIVERSITY
AUSTRALIA



Ready today for tomorrow

jcu.edu.au



Why JCU?

A STUDENT EXPERIENCE LIKE NO OTHER

- Access to world-class teachers
- Develop skills in state-of-the-art facilities
- Achieve exceptional employment outcomes
 - Benefit from small class sizes
 - Connect with professional networks
- Support through scholarships for merit and equity
 - Discover great accommodation options

GRADUATE WITH CONFIDENCE

Your world-class education begins here. JCU Arts was independently awarded five stars for excellent student support.[^] JCU Science has been independently awarded five stars for learner engagement, and is rated #1 in Queensland for full-time employment outcomes.*

UNIQUE TEACHING ENVIRONMENTS

Be inspired by JCU's living laboratories. Study and learn in state-of-the-art teaching facilities, World Heritage listed Great Barrier Reef and the Daintree Rainforest, tropical wetlands and dry savannahs.

OUTSTANDING RATINGS

Study with the best. Independently rated best in the world for Marine and Freshwater Biology and second best in the world for Biodiversity Conservation[†].

[^]Good Universities Guide 2022, UG Humanities, Culture & Social Sciences

^{*}Good Universities Guide 2021, UG Science & Mathematics [†]CWUR 2017



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- ✓ Broaden your employment prospects by specialising in two different study areas. Your Arts subjects will develop your communication and research skills, and advance your ability to critically analyse information. Combining majors from Arts and Science will provide a deeper understanding of scientific principles.
- ✓ Learn from world-leading lecturers. Benefit from field trips to World Heritage listed reef and rainforest environments, and access state-of-the-art research and teaching facilities, including JCU's The Science Place.
- ✓ With options from a wide range of subjects, you can tailor your program to include majors and electives that spark your interests and ambitions. Cultivate a niche skill set to stand out from the crowd.

COURSE DETAILS:

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

Please visit the [handbook](#) for a detailed outline of the course structure. Note: Information is for domestic students only

Majors

ARTS MAJORS

You can choose from 14 Arts Majors:

Anthropology

Study history, languages, politics, economics and social systems. Understand cultural and ethnic difference and analyse how people's beliefs fit into a wider social, political and economic context.

Archaeology

Develop skills in archaeological investigation and research as a basis for employment in the field in Australia. Expand your knowledge with specialised offerings in evolutionary, forensic, Asian, Australian, and European archaeology.

Criminology

Learn why people are motivated to commit crime, and explore strategies to prevent law-breaking and rehabilitate offenders. This course equips you with skills to help make a difference in your community.

Design and Creative Arts

Amplify your creativity and develop skills for a stimulating career. Contribute to project management in the creative industries. Communicate with others through original works of art. Complement core subjects with a range of specialisations, which vary between campuses.

English

Investigate and explore the riches of literature across the ages. You will develop your understanding of the English language and gain a high level of communication and reasoning skills while growing your passion for reading and writing.

History

Engage with the past to develop skills in critical thinking, research, and communication. Assess evidence physically and online, and refine your ability to communicate ideas in a range of formats including digital projects.

Human Geography

Explore the interrelationship between people and their natural and built environments. Develop specialist skills including urban planning and design, regional sustainability, and social and environmental impact assessment.

Human Services

Study social policy, community planning and development, education and capacity building, organisational practice, and social responsibility. Gain practical skills and experience through field trips and project work.

Indigenous Studies

Expand your understanding of the complex interface between Indigenous and Western knowledge, perspectives, and practices in Australia today. Some subjects include field trips, and one includes an optional international trip to an Indigenous community.

Modern Languages

Become fluent in French, German, Italian, or Japanese. Immerse yourself in the language with opportunities to study abroad for six months. You do not need prior knowledge of the language to undertake this major, which offers foundation to advanced levels.

Multimedia Journalism and Writing

Gain the knowledge to succeed in fast-paced creative and news media environments. Learn from published writers, researchers, and journalists to write creatively about unique environments and complex topics.

Politics and International Relations

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

Psychology

Explore the history of psychology, the nervous system, memory, intelligence, emotion, personality, and psychological disorders. This major is not accredited. If you want to become a Registered Psychologist, find out more about the Bachelor of Psychological Science. This major is not available at Cairns campus.

Sociology

Develop the analytical tools to learn how society is organised and how we experience life with each other. Study social trends, and understand why and how societies and institutions have developed through history.



SCIENCE MAJORS

You can choose from nine Science Majors:

Aquaculture Science and Technology

With lecturers who are world-leaders in tropical aquaculture research and development, discover the sustainable practices of aquaculture. Access to the JCU Marine and Aquaculture Research Facility will enhance your knowledge and provide current practical skills.

Chemistry

Study in award-winning laboratories and gain an insight into the industry with excursions to local companies in the industry. You will benefit from small class sizes and the personalised approach of our lecturers.

Data Science

The volume of available data has grown exponentially, more sophisticated algorithms have been developed, and computational power and storage have steadily improved. Data scientists work in every industry and tackle big data projects on every level. Gain knowledge and skills in Data Visualisation, Big Data and Machine Learning.

Earth Science

Access the biodiverse region of North Queensland at JCU Cairns and JCU Townsville. Gain relevant practical skills by studying and assessing the surrounding environments, such as both the Wet and Dry Tropics, and the Great Barrier Reef Marine Park. You will gain a thorough understanding of the effect of humans on the natural environment and build skills to develop solutions to lessen the impact.

Marine Biology

Learn from lecturers who are world-leaders and be equipped to address critical challenges facing marine and coastal ecosystems. You will study in a location that gives you access to one of the most diverse and fragile marine ecosystems in the world, the Great Barrier Reef. Gain valuable employability skills through practical experiments and opportunities to visit the JCU Orpheus Island Research Station.

Mathematics

Develop the problem-solving, analytical and quantitative reasoning skills that are highly sought-after by employers worldwide. With small class sizes, you will get the one-on-one support required to excel as a mathematician. You will learn how to formulate mathematical models to illustrate science and engineering problems, and use various techniques to help find solutions.

Molecular and Cell Biology

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

Physics

Explore some of the universe's most challenging questions. Accredited by the Australian Institute of Physics, this major will give you a broad range of practical and theoretical skills across various physics disciplines. You will study the structure of matter, atomic and nuclear physics, quantum physics, oceanography and meteorology, and thermodynamics.

Zoology and Ecology

Have the opportunity to learn from lecturers with global standing, study amazing rainforests and diverse species, and go on field trips to Borneo or the Galapagos Islands. Offered at JCU Townsville and JCU Cairns, you will study in one of the most biodiverse regions in Australia. Study the science of the biology of plants and animals and the natural world that they live in.





"I chose to enrol in a joint degree in Arts and Science at JCU because it gave me the opportunity to pursue study in both a field that I intend to build a career from, Earth Science, and a field that has always been an interest of mine, and can help broaden my skill set, Modern Languages.

Through my Modern Languages study plan, I've had the opportunity to study at Kwansei Gakuin University in Japan as part of the Study Abroad Program. We live in a globalised world, so having language skills and international experience is the kind of thing that can help you stand out in your career.

In the Science program I've been able to participate in field trips to Charters Towers and Orpheus Island, among other places, where I've been able to gain practical experience in undertaking field work, as well as data collection and analysis in various fields of Earth Science.

Even if you only intend to build a career from one of your degrees, the skills you can learn, and experiences you can gain from your second degree will be highly transferable and will broaden your horizon and career options."

Rhys Malcolm

BACHELOR OF ARTS - BACHELOR OF SCIENCE

Career Opportunities

Open up a realm of opportunities with this joint degree. You can pursue a career that combines your passion for the Arts with your skills in Science.

JCU Arts-Science graduates find employment in fields such as cultural heritage, environmental management and conservation, policy analysis, research and consultancy in the private sector, Government and Non-Government Organisations.

You can undertake additional study to teach in schools. Alternatively, continue on to postgraduate study and contribute to higher education and research.

Depending on your choices of majors you may be eligible for registration with professional bodies within your chosen fields of study.



“JCU is recognised globally for its excellence in research in several programmes, providing students with access to global leaders in their field that are making a difference. Our small class sizes provide students with access to lecturers who genuinely care about their progress and their studies. Our programmes are also embedded with work-integrated learning, making JCU graduates highly sought after in the workforce.”

Dr Tasmin Rymer

LECTURER, COLLEGE OF SCIENCE AND ENGINEERING

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