

Information Technology



JAMES COOK
UNIVERSITY
AUSTRALIA

Celebrating
50
YEARS
1970 - 2020



Ready today for tomorrow

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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

TOP MARKS ALL ROUND

Receive a world-class education. Independently rated five stars for Learner Engagement and Student Support[^], JCU students graduate at the top of their class.

NETWORK WITH INDUSTRY

Learn from collaborative partnerships with local and nationwide businesses. Voluntary or paid internships enable JCU students to successfully transition into their careers.

HUMAN-CENTRED DESIGN

Be a creative problem solver. Design Thinking empowers JCU students to ideate solutions built for people. Embedded throughout JCU Information Technology degrees, Design Thinking subjects and an annual Design Sprint produce high-demand graduates.

GRADUATES OF THE FUTURE

JCU Information Technology graduates develop solutions to complex problems, always focused on the end user. The tiered approach to learning allows students to: develop machine learning and artificial intelligence algorithms, create games, apps and websites, build programs and software.



Information Technology

- ✔ Learn from world class lecturers and industry experts to build on your undergraduate learning and develop deep specialist knowledge. You will study foundation and core subjects to foster advanced critical analysis skills and comprehensive knowledge of tools and technologies.
- ✔ Benefit from the opportunity to gain hands-on experience applying your new skills to real-world problems. Work with industry experts who will share the latest technical knowledge.

COURSE DETAILS:

- Locations:** Townsville, Singapore
- Start Dates:** February, July
- Duration:** 2 years full-time, part-time available
- Prerequisites:** AQF Level 7 bachelor degree, or equivalent

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

Majors

Choose one of the three majors outlined below, plus select from a wide range of electives.

Computing

Build your knowledge of the architecture, performance and security of layers two, three, and four of the internet. Design, test, and deploy mobile applications using a modern mobile platform. Build your understanding of fundamental data structures and associated algorithms.

Business Informatics

Learn from industry experts about the issues involved in administering an enterprise size database system. Expand your knowledge about building and managing business intelligent systems, interpreting business statistics and developing practical decision models. Singapore only.

Interactive Technologies and Games Design

Gain real-world experience in the design and implementation of a database service over the web. Deepen your understanding of interface design and useability, and discover a range of simulation methods and other AI techniques. Singapore only.

Progress your studies

Pursue your passion to a higher level through nested qualifications. You can enter directly into a Master of Information Technology or use the Graduate Certificate of Information Technology towards your Masters.

Graduate Certificate of Information Technology

(12 CREDIT POINTS)

Master of Information Technology

(48 CREDIT POINTS)

“I chose the Master of Information Technology at JCU because it is highly regarded in the I.T. industry, and the subjects taught are practical and relevant to current applications. It is a supportive community that I am pleased to be part of.”

Wei-Chih Lin

MASTER OF INFORMATION TECHNOLOGY



“I enjoy getting to know my students personally and helping them develop core IT skills, as well as encouraging them to grow as thoughtful workers, team members and leaders.”

JCU is a great choice for IT because of its attentive staff and strong industry connections, which allows for students to develop industry-ready skills for the future.”

Lindsay Ward

LECTURER

Career Opportunities

JCU Master of Information Technology postgraduates are highly skilled and well equipped to solve the technology challenges of the future.

With around 75% of future jobs predicted to require STEM skills[^] you could pursue a career across virtually any industry. The possibilities are almost endless, with some jobs that will evolve in this space yet to exist.

A JCU Master of Information Technology will equip you to advise and lead technology related organisational decision making.

Graduates are eligible to become an Associate Member of the Australian Computer Society (ACS).



[^]Chief Scientist 2015, “Science, Technology, Engineering and Mathematics: Australia’s Future”



Postgraduate coursework applications

Apply directly to JCU, either by a form you download, complete and return, or by using the [Online Application Portal](#).

Your application must reach us before the deadline for your course.

ENTRY REQUIREMENTS

Postgraduate courses will usually require completion of an appropriate undergraduate degree for entry. You'll need to include certified copies of qualifications and academic records with your application. For some programs, appropriate work experience or equivalent qualifications will be considered.

FURTHER INFORMATION

To find out more, call 1800 246 446 or contact the [Student Enquiry Centre](#).

Contact us

Townsville: 07 4781 5255

Cairns: 07 4232 1000

Freecall (within Australia): 1800 246 446

Email: enquiries@jcu.edu.au

