

# Information Technology



*Ready today for tomorrow*

[jcu.edu.au](http://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

## **TOP MARKS ALL ROUND**

Receive a world-class education. Independently rated #1 in Queensland for Learner Engagement\*, JCU students graduate at the top of their class.

## **NETWORK WITH INDUSTRY**

Learn from collaborative partnerships with local and nationwide businesses. 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 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.

2024 Good Universities Guide, PG Computing and Information Systems



# 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:

<b>Locations:</b>	Brisbane, Cairns
<b>Commencing:</b>	Cairns - January, May, September Brisbane - January, March, May, July, September, November
<b>Duration:</b>	2 years full-time, part-time available*
<b>Prerequisites:</b>	AQF Level 7 bachelor degree, or equivalent

Please visit the [handbook](#) for a detailed outline of the course structure. \*Part-time is available for domestic students only. James Cook University partners with Russo Higher Education Pty Ltd to deliver the programs available at our Brisbane campus.

# Ready today for tomorrow

Expand your career and enhance your employability by gaining expert skills in information technology (IT). This course focuses particularly on the areas of computer programming, data analysis and multimedia. Learn how to identify and diagnose technical issues, create solutions and improve technical systems. As you study the fundamentals of problem-solving and programming, the importance of data modelling, and key areas of design and development, you'll be equipped to help your current or future workplace run smoothly and innovatively.

Within the Graduate Certificate of Information Technology, you will study two core subjects — Internet Fundamentals and Problem Solving and Programming — and choose two specialist subjects to suit your professional needs and interests. The available elective subjects cover four main areas of the information technology field: database modelling, collective intelligence and entrepreneurship, web design and development and e-strategic management.

The Master of Information Technology offers the choice of three majors: Computing, Business Informatics or Interactive Technologies and Games Design, plus select from a wide range of electives.

Become an IT professional and enhance your current qualification with a knowledge and skills base that employers value. With digital dexterity becoming an increasingly vital skill for businesses in all industries, incorporating IT skills into your career skillset will open many doors. You will explore new fields of work, increase your employability and become equipped to take on roles requiring greater capacity and ability.

## 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**

SENIOR 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<sup>^</sup> 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).



<sup>^</sup>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 (+61) 1800 246 446 or contact the [Student Enquiry Centre](#).

## Contact us

JCU Townsville: 07 4781 5255

JCU Cairns: 07 4232 1000

Freecall (within Australia): 1800 246 446

Email: [enquiries@jcu.edu.au](mailto:enquiries@jcu.edu.au)



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