Master of Engineering (Professional)

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

OUTSTANDING GRADUATE OUTCOMES
90 per cent of JCU Engineering graduates are employed full–time immediately after graduating*.

EXCEPTIONAL STUDENT SUPPORT
Small classes enable access to world-class lecturers and researchers committed to student success^.

WORK ANYWHERE IN THE WORLD
Leverage JCU’s outstanding industry connections with global brands such as Huawei. Make a difference locally or globally with an internationally recognised qualification.

SUPPORT FOR YOUR SUCCESS
Explore JCU’s range of scholarships, grants and bursaries and discover the right financial assistance to achieve your goals.

*College of Science and Engineering 2017  ^Good Universities Guide 2020
Master of Engineering (Professional)

Guaranteed structured internship placements in engineering firms for all Masters of Engineering (Professional) students, completed in the last semester of study.

Dedicated professional employability subject, which builds enterprise skills and helps make students more competent when applying for internships and jobs. This and the internship program are managed by Career Ahead, with a strong industry focus.

Acquire contemporary skills that will make you stand out in the job market. JCU Master of Engineering (Professional) subjects include data science, risk and safety, advanced asset management and conflict management in the workplace, as well as advanced technical subjects in state-of-the-art topics.

**COURSE DETAILS:**

- **Locations:** Cairns, Townsville
- **Commencing:** February, July
- **Duration:** 2 years full-time, part-time available
- **Prerequisites:** Bachelor of Engineering degree or equivalent in a discipline cognate to the major.

Please visit the [handbook](http://jcu.edu.au) for a detailed outline of the course structure. Note: Information is for domestic students only.
Majors

**Electrical and Renewable Energy**
Advance the global renewable energy industry and meet the energy needs of the world. Learn specialised electrical engineering principles to integrate sustainable and renewable energy sources.

**Internet of Things and Data Engineering**
Advance the way society functions, from home life to social networking. Create mobile applications, develop internetworked embedded systems and construct a LPWA communications network.

**Technology and Management**
Learn the theory, practice and business insight required to develop technology into a product. Learn from leading entrepreneurs, make influential networking connections, and take advantage of the flexibility of optional online study.

**Water Resource Management**
Learn sustainable water management strategies, develop conceptual and practical knowledge of hydrological processes, and design and complete a project on geographic information systems.

Enhance your employability and advance your career in Australia and globally through the Masters Employability Program. Complete a structured co-curricular employability skills and development program, which runs for the duration of the degree. This includes a tailored plan to support individual employment objectives, beginning from semester one through to graduation.
“The Master of Engineering (Professional) in IOT and data engineering gives me internationally recognised qualifications which means I can work in a variety of places around the world. The best part of the degree is that it doesn’t focus on one thing but gives an overall picture of everything. We do engineering subjects, programming subjects, and then data science subjects – it’s a wide variety. So when I go to work in the industry after my degree I’ll have knowledge in each area.”

Harsh Parekh

MASTER OF ENGINEERING (PROFESSIONAL), MAJORING IOT AND DATA ENGINEERING
Career Opportunities

Gain advanced skills and knowledge highly-valued within the engineering sector through this robust postgraduate program. Be in demand in Australia and overseas as an engineering specialist in the fields of renewable energy, water resource management or the Internet of Things.

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

Upon completing the course, you will be accredited by Engineers Australia for Stage 1 competency standards (accreditation in process).

You will also gain a head-start in preparing for Stage 2 competency standards prescribed by Engineers Australia for Professional Engineers.

“This course provides a unique opportunity to improve engineering knowledge, skills, application ability, and professional and personal attributes. The subject content, case studies and projects are designed keeping industrial problem solving practices in mind. Acquiring these tools offer a head start to a rewarding career in Engineering.”

Madhu Krishnamenon
INDUSTRY LECTURER, MASTER OF ENGINEERING (PROFESSIONAL)
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.

The entry requirements for each course are included on the Apply now page for the course.

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