Bachelor of Technology and Innovation

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

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, and build programs and software.

SUPPORT FOR YOUR SUCCESS

Explore JCU's range of scholarships, grants and bursaries and discover the right financial assistance to achieve your goals.

Bachelor of Technology and Innovation

Put your creativity to the test, challenge yourself, and improve your problem-solving skills. Learn to make meaning of data and find inventive ways that your ideas can be turned into new start-up companies.

Make a difference to modern industry with the Bachelor of Technology and Innovation at JCU. Develop the skills and knowledge to deliver safe and sustainable solutions to real-world problems.

Combine valuable IT skills with critical thinking and innovation to help companies or industries run efficiently. You will use your broad knowledge of technology to make appropriate recommendations and identify opportunities.

Throughout your degree, you will network with industry mentors and undertake a professional experience placement to graduate job-ready.

COURSE DETAILS:

Locations:	Townsville, Cairns
Start Dates:	February, July
Duration:	3 years full-time, part-time available
ATAR:	73.3
Recommended:	English (Units 3/4,C) Assumed Knowledge 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

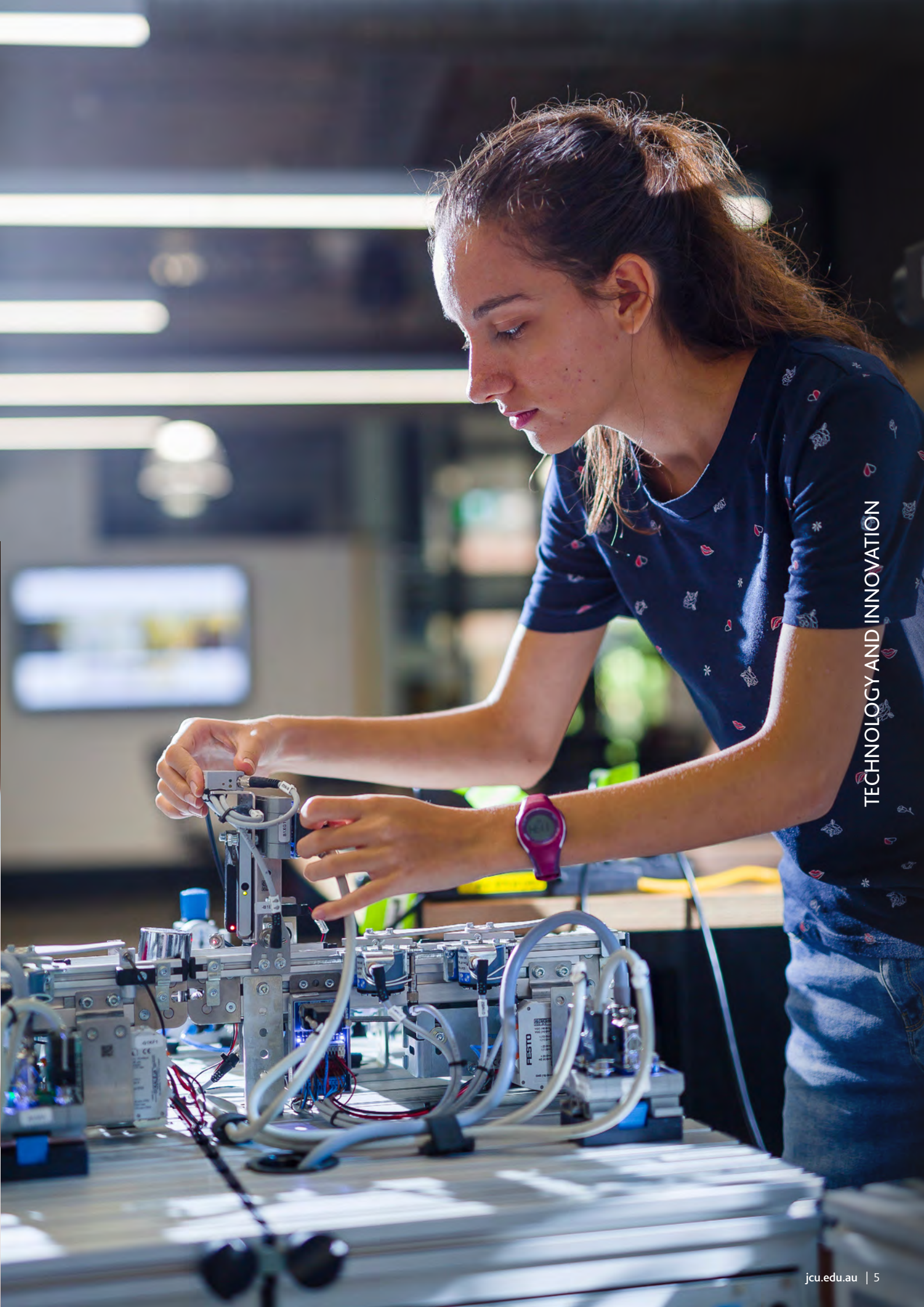
Bachelor of Technology and Innovation students can choose from the following majors:

Data Science

Gain data and analytics skills highly sought-after in every industry – from government departments to internet start-ups and financial institutions. Build your understanding of data science and learn the tools of the trade, including advanced statistical modelling, data mining, machine learning, linear algebra, and data visualisation.

Information Technology

Become an innovative developer with the skills to solve problems in a group. Learn to apply design thinking to deliver technological solutions to a wide range of issues. Analyse technology, creativity, and disruptive innovation in the global economy and across disciplines. Study web and software development, database modelling, and programming.


FESTO

"In the Bachelor of Technology and Innovation you can tailor your degree and select modules within subjects to reflect your own interests. You'll work in cross-disciplinary teams to build a novel toolkit that will enable you to positively impact and transform the world by addressing key human needs."

Heather Robson

COURSE COORDINATOR

Career Opportunities

JCU Technology and Innovation graduates have the flexibility to solve complex problems across different industries, technologies, and contexts.

Graduates will possess a range of practical technology skills and an invaluable capacity for critical thinking and finding creative solutions.

You could find employment as a data scientist, technology manager, director of innovation, software engineer, systems analyst, digital product manager, solutions manager, business intelligence developer, infrastructure manager, enterprise architect, or project manager.

JCU Accommodation

Study and live in some of the most interesting places in the world. Cairns and Townsville are on the doorstep of the Great Barrier Reef, magnificent rainforests, the savannah region and Outback Australia.

Living on-campus is a great way to make the most of your time at JCU. JCU Townsville, Bebegu Yumba campus, Douglas, has five different accommodation options housing over 1,200 students. JCU Cairns, Nguma-bada campus, Smithfield, features an accommodation complex for 300 students. Living on-campus is a great place to make new friends and immerse yourself in the JCU culture. All rooms at our on-campus residences are single board, with a single bed, study desk, chair, fan, air-conditioning and Wi-Fi. Each residence is different in regards to style of living, culture and atmosphere. There are options for fully catered or self-catered housing. Find out more at **jcu.edu.au/accommodation**

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