

INFORMATION FOR SCHOOLS



JAMES COOK
UNIVERSITY
AUSTRALIA

JCU Engineering Futures 2023



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Information for Schools and School Staff

The inaugural James Cook University (JCU) Engineering Futures is a live-in program offering students in Years 10, 11 and 12 the chance to experience university life during the school holidays. The program is an entirely immersive camp that is fully funded by JCU. It provides students with a distinctive experience of tertiary education in science, engineering and technology-related fields, while they are still studying in high school. The camp aims to provide encouragement to students to pursue STEM as a career and build confidence and capacity for university study. JCU seeks to break down the barrier students face to tertiary education by:

- Empowering students to engage with STEM subjects in a tertiary context.
- Building strong relationships between JCU, industry partners and diverse student groups.
- Equipping students with the knowledge to select a career path that aligns to their future aspirations.
- Strengthening inter-regional and inter-cultural ties between STEM students across Australia.
- Providing students with the tools and support they need to pursue their goals and maximise their potential.

Camp details

Over five days, students live on the JCU campus and take part in academic lectures, personal development and team-building activities. The interactive program provides opportunities to meet JCU students and university staff and encourages students to build connections with their peers.

Dates

Monday 3 July – Saturday 8 July 2023 (Week two of school holidays).

Location

JCU Townsville, Bebegu Yumba campus, Douglas.

Staying on campus

Accommodation is in the residential colleges on JCU campus with catering provided for all participants while on campus. The camp will be supervised by JCU staff.

Costs

JCU will coordinate and provide all travel, accommodation and meals for students.



Which students is this camp intended to support?

This opportunity is intended to support students who have the interest and maturity to engage with STEM related content in a university immersion experience. Your school can identify students who may wish to participate in the residential camp and support a student's referral process as part of their application. Students are required to submit an online or hard copy application with supporting documentation.

Student Application

Students are required to submit their completed application by Friday 19 May 2023. Late or incomplete applications may not be accepted, as places are limited. Online and hard copy application forms can be found [here](#).

Eligibility and selection criteria

To be accepted into this program, the student must:

- be a current Year 10, Year 11 or Year 12 student;
- have received an A in their previous year of study in at least one of the following subjects;
 - Science (physics, chemistry, earth and environmental science, digital solutions, marine science or biology).
 - Maths Extension (Year 10), Mathematical Methods or Specialist Mathematics (Year 11/Year 12).
- obtain permission from a parent or legal guardian; and
- be available to attend for the duration of the camp program.

The selection panel will choose applicants to participate with selection assessed on:

- academic achievement;
- involvement in extra-curricular activities; and
- contributions to their school and/or local community.

Applicants are required to submit an online or hard copy application form with supporting documents including:

- copy of their end of year school report for 2022; and
- a teacher, head of department or principal referee (students must submit the staff member's full name and school email address. JCU will use these details to send an online recommendation request form to the referee).

Transport

JCU will coordinate and support all travel to and from the camp directly with the student and their parents or guardians. This may include road and air transportation, depending on the student's proximity to the JCU Townsville campus. Airport transfers will be coordinated and supported by JCU.



Accommodation & Meals

Accommodation and all meals will be coordinated and supported by JCU. Participants will be accommodated at Saints Catholic College. Special dietary requirements and food allergies will be catered for.

Camp Program

Academic Program

An academic program consisting of mandatory lectures/tutorials, hands on activities and group projects will be delivered by JCU academic staff. This will include engaging with select Student Ambassadors in STEM related study areas, JCU academic staff and may also include industry professionals. Travel off the JCU campus maybe included and will be coordinated by JCU. All materials will be supplied.

Cultural Program

A personal development and enrichment program will be delivered during the afternoon and evening sessions. This includes engaging with select Student Ambassadors, JCU staff and may also involve external contractors delivering a range of activities. Travel off the JCU campus maybe included in this program and will be coordinated by JCU.

What is the school's responsibility?

JCU will coordinate all aspects of the residential camp including the application process through contact with students and their parents or guardians. This includes all travel arrangements, all accommodation and dietary requirements, all risk assessments, code of conduct and the pastoral care of participants.

Schools are asked to assist with promoting this opportunity to students who are interested in pursuing Engineering or STEM related fields and provide a recommendation in support of a student's application. Schools are not required to send staff or provide any other administrative support.

Contact Us

The JCU Outreach team is available to answer any questions you may have, contact the JCU Outreach team by email outreach@jcu.edu.au or by phone 0439 936 982.