

# Engineering Futures

Residential Camp - 1 - 6 July 2024



Information Guide

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

# An immersive university STEM experience



In partnership with  
**GLENCORE**

*Engineering Futures is a unique STEM-focussed school holiday program for students in Years 10, 11 and 12.*

## About Engineering Futures

During this fully-funded program, students sample university life as they get familiar with science, technology, engineering and maths subjects and careers.

Held over five days, students live on-campus and take part in academic, personal development and team-building activities, and meet current JCU students, university staff and other like-minded high school students.

## Who should attend?

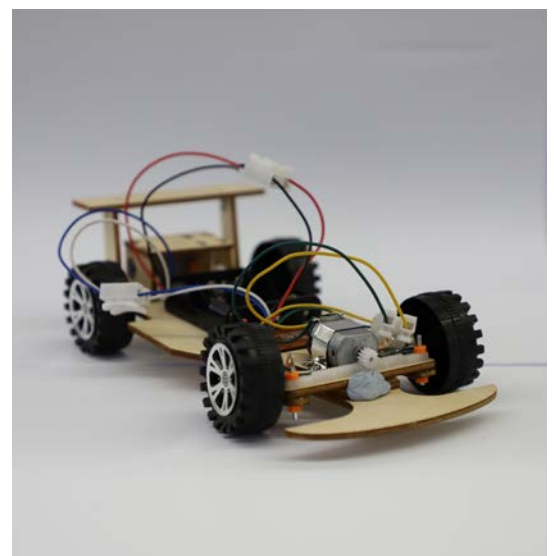
High-achieving Year 10, 11 and 12 students interested in exploring careers in engineering, technology, science and related fields. Eligible students will have received at least one A in their previous year of study in:

- **Science:** Physics, chemistry, earth and environmental science, marine or biology, or
- **Maths:** Maths Extension for Year 10s. Mathematical Methods or Specialist Maths for Years 11 and 12.

## Why Engineering Futures?

Students attending Engineering Futures will:

- Feel empowered through tackling fun, university level STEM activities with support from university lecturers
- Get to know students with similar interests and learn from current JCU students who are studying STEM
- Explore and uncover career opportunities as they chat with local industry partners
- Get ahead through tools, support and personal development to achieve their goals and ambitions.





## Engineering Futures details

<b>When:</b>	Week two of Queensland Winter school holidays Monday 1 July to Saturday 6 July 2024
<b>Where:</b>	JCU Townsville, Bebegu Yumba campus, Douglas.
<b>Program:</b>	<p><b>Academic.</b> Each morning consists of lectures, tutorials, hands on activities and group projects delivered by JCU academic staff. Students will engage with current JCU students, academic staff and local industry professionals.</p> <p><b>Cultural.</b> In the afternoons and evenings students will take part in a variety of personal development, enrichment and team-building activities with their peers.</p>
<b>Transport:</b>	JCU will provide transport to-and-from the camp at no cost to the student. Individual travel itineraries will be created for each confirmed participant, and may include charter buses or flights.
<b>Accommodation:</b>	Provided on-campus accommodation at Saints Catholic College <a href="https://www.cathcollegesjcu.edu.au/accommodation/">https://www.cathcollegesjcu.edu.au/accommodation/</a>
<b>Meals:</b>	All meals are provided. Special dietary requirements and food allergies can be catered for.
<b>Costs:</b>	To ensure equitable access to this transformative program, all student costs will be covered by JCU including transport, meals and accommodation.

## How to apply

**To express their interest in attending students need to complete the following steps by Sunday 19 May 2024:**

- Step 1.** Discuss and get consent to participate from a parent or guardian.
- Step 2.** Discuss with their school and obtain a letter of support from their school's principal, Head of Maths department or Head of Science department. Ensure this letter has the staff members' full name and school email address in case we have any questions.
- Step 3.** Gather documents. They will need:
  - A copy of their 2023 Semester 2 school report showing at least one A grade in a relevant subject
  - A digital copy of the school support letter.
- Step 4.** Visit the website [www.experience.jcu.edu.au/EngineeringFutures](http://www.experience.jcu.edu.au/EngineeringFutures) to complete the application form where they'll attach the key documents and provide contact information.
- Step 5.** Their application will be assessed and they'll hear back from JCU within three weeks of the application closing date.

# Contact us



The JCU team are available to answer questions from prospective attendees, teachers, guidance officers, parents and guardians.

**Phone:** 1800 246 446  
**Email:** [hello@jcu.edu.au](mailto:hello@jcu.edu.au)  
**Website:** [www.experience.jcu.edu.au/EngineeringFutures](http://www.experience.jcu.edu.au/EngineeringFutures)

## Important information

The Engineering Futures camp is run solely by James Cook University who are responsible for all risk assessments, code of conduct adherence and pastoral care of participants. Schools have been asked to assist with sharing the opportunity with their students and local communities, but are not involved in the running of the event.

Students must be available to attend for the duration of the camp program.

The camp includes learning and other activities at a tertiary level, so is best suited to students interested in a STEM university qualification. Students will be expected to engage fully over the week-long academic and personal development program.

While transport will be covered by JCU, students may need to get to and from a centralised location to meet their charter bus or flight. This will be discussed with students and their parents or guardians once their application has been accepted.

# About JCU

As the university for the Tropics, JCU is committed to research and teaching that make a difference to Northern Australia, the Asia-Pacific and beyond.

JCU's STEM courses equip students with a combination of practical skills and experience, in-depth theoretical knowledge and the confidence to creatively apply their abilities in real-world scenarios.

*Explore JCU's courses and discover why JCU is uni...  
but not as you know it.*

*Ready today for tomorrow*

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