

# wie can

## Women in Engineering Residential Programme

17 - 21 January 2021





*Discover everything that engineering has to offer at this hands-on programme for Year 12 girls!*

### What is WiE CAN?

WiE CAN is a 5 day/4 night Women in Engineering residential programme featuring a range of interactive workshops, inspiring presentations, and fun social activities. This is a hands-on programme where the successful applicants will be immersed in student life and experience the range of engineering subjects on offer at UC.

### Who should attend WiE CAN?

You don't have to be top of the class to apply for WiE CAN! We are looking for 60 young women with a passion for innovation and problem solving, who want to make a difference to society.

If you are female (or identify as female), currently in Year 12 at a NZ high school, studying physics and maths, and want to learn more about the limitless opportunities in engineering — WiE CAN is for you!

### Residential Programme Details

Date	Sunday 17 January to Thursday 21 January 2021
Location	University of Canterbury, Ilam campus, Christchurch
Eligibility	Open to female Year 12 students going into Year 13 in 2021
Places Available	60
Accommodation	Rochester and Rutherford Hall of Residence
Cost	\$575 - includes accommodation, food and activities during the week. Excludes travel to and from the camp*
Scholarship	A number of Diversity Scholarships & Sponsorship opportunities will be available
Application Dates	Applications open 20 July and close 4 September. Successful applicants notified 25 September
Apply Online	<a href="https://canterbury.ac.nz/wiecan">canterbury.ac.nz/wiecan</a>

\* Fees include accommodation, meals, programme activities and resources.

### Why should I apply?

The world needs engineers! Engineering touches all aspects of our everyday lives - the roads we drive on, the water we drink, the smartphones we use to communicate with our friends, and so much more!

We believe engineering solutions are better when they're created by diverse teams which is why we want to inspire the next generation of female engineers to change the world!

### What's on offer?

- **Interactive presentations** and lectures from inspiring female engineers and academics, leading the way in their fields.
- **Hands on workshops** in everything from earthquake resilient structures, to solar powered vehicles, flight stabilisation & prosthetics. You'll get a taste of what Engineering has to offer.
- **Social Activities** in the evening including a quiz night, movies & pizza and a Christchurch City adventure.



## WiE CAN Programme

This is an example of the programme from WiE CAN 2020.

	Sunday	Monday	Tuesday	Wednesday	Thursday
9:00am-9:30am	Arrival at R&R by 2:45pm	Day briefing			Working as an Engineer Presentations from engineers (Parents/whānau welcome)
9:45am-11:00am		Civil and Structural Engineering Workshop	Aerospace Engineering workshop	Forest Engineering workshop	
11:00am-11:30am		Morning tea			
11:30am-12:45pm		Chemical and Process Engineering workshop	Electrical and Computer Engineering workshop	Mechanical/ Biomedical Engineering workshop	Farewell (Parents/whānau welcome)
12:45pm-1:30pm		Lunch			
1:30pm-2:45pm		Software Engineering workshop	Natural Resources Engineering workshop	Mechatronics Engineering workshop	
2:45pm-3:15pm			Afternoon tea		
3:15pm-5:00pm	Welcome and introductions Mihi starts 3:30pm	The Amazing Race	Entrepreneurship Challenge	Prosthetics Challenge with Biomedical Engineering	
From 5:00pm	Dinner and quiz	Pizza night and movies	City tour	Celebration dinner	

Note: Programme is subject to change.

### Key:

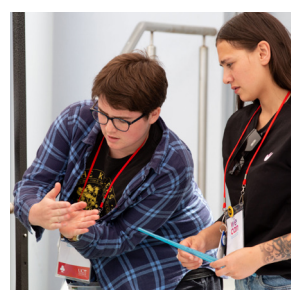
Hands-on workshop

Presentation

Intro/farewell session

Group Challenge

Meal break / social session



# Why Engineering?



We have a firm commitment to producing more female engineering graduates, to benefit society

and ensure a sustainable future for us all. To help us do that, we also became a Founding Partner of the Diversity Agenda run by Engineering NZ, the professional engineering body in New Zealand. Their goal is to help engineering firms become more diverse and inclusive through awareness, empowerment and action.

Often young women have skills and interests that are very relevant to engineering but this might not be on their radar as a career option because they don't know where to start, or they're not sure how viable it is. The aim of WiE CAN is to let them know they are wanted and there are amazing possibilities in this field.

Professor Jan Evans-Freeman  
Amorangi | Pro-Vice-Chancellor  
Te Rāngai Pūkaha | College of Engineering

## Where can it take me?

There is no limit to the places you can go with a career in Engineering. You might be passionate about the environment and sustainability, interested in medicine and healthcare, fascinated by new technologies or maybe, you just really like understanding how things work.

Whatever you're interested in, whatever you're passionate about, wherever you see a problem that you want to solve – there's a way to do that with engineering!

## Where do I start?

A BE(Hons) - Bachelor of Engineering with Honours is your first step towards becoming an Engineer. With 9 different disciplines to choose from and a range of supporting minors, your opportunities are limitless. You'll find engineers in tech, in finance, in healthcare, in government, in research and beyond. A BE(Hons) equips you with skills, tools and knowledge you'll need to be an innovator and change maker.

## BE(Hons) Disciplines

### Chemical and Process Engineering

Minors offered in Bioprocess Engineering, Energy Processing Technologies, and Environmental Process Engineering†

### Civil Engineering

Minors offered in Water and Environmental Systems Engineering† and Structural Engineering

### Computer Engineering

Minor offered in Communications and Network Engineering

### Electrical and Electronic Engineering

Minor offered in Power Engineering

### Forest Engineering

### Mechanical Engineering

Minor offered in Biomedical Engineering

### Mechatronics Engineering

### Natural Resources Engineering

### Software Engineering

† Subject to Te Pūkai Tara | Universities New Zealand CUAP approval, due July 2020.

## Find out more

Please contact us for more information about this residential programme.

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