



Women in Engineering Residential Programme

16 – 20 January 2022





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 16 January to Thursday 20 January 2022
Location	University of Canterbury (UC), Christchurch
Eligibility	Open to female* Year 12 students going into Year 13 in 2022
Places Available	60
Accommodation	Tupuānuku Hall of Residence
Cost	FREE! - includes accommodation, food and activities during the week. Excludes travel to and from the camp**
Application Dates	Applications open 5 July and close 13 August. Successful applicants notified 31 August
Apply Online	canterbury.ac.nz/wiecan

*Applications open to female students or those who identify as female.

**Assistance for travel expenses available for those experiencing financial hardship.

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 and prosthetics. You'll get a taste of what Engineering at UC has to offer.
- Social activities in the evening including a quiz night, movies and pizza night, and a Christchurch City adventure.



WiE CAN Programme

	Sunday	Monday	Tuesday	Wednesday	Thursday
9:00am – 9:30am		Daily briefing			Working as an Engineer presentations (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	Arrival at Tupuānuku by 2:45pm	Afternoon tea			
3:15pm – 5:00pm	Welcome and introductions	The Amazing Race	Entrepreneurship Challenge	Prosthetics Challenge	
From 5:00pm	Dinner and quiz	Pizza night and movies	City adventure	Celebration dinner	<i>Note: Programme is subject to change.</i>

Key

Hands-on workshop
 Presentation
 Intro/farewell session
 Group Challenge
 Meal break/social activity

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 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

Amurangi | 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, finance, healthcare, government, research and beyond. A BE(Hons) equips you with the skills, tools and knowledge you'll need to be an innovator and change maker.

Find out more

Please contact us for more information about this residential programme.

E: engmarketing@canterbury.ac.nz

W: canterbury.ac.nz/wiecan

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

Minors offered in Biomedical Engineering and Aerospace Engineering*

Mechatronics Engineering

Natural Resources Engineering

Software Engineering

*Subject to Te Pōkai Tara | Universities New Zealand CUAP approval, due July 2021.