Women in Engineering at UNSW

INSPIRE | ENGAGE | EMPOWER

Get the very best out of university life with the UNSW Women in Engineering Program
UNSW Women in Engineering Program

Opportunities for you

Before you get here ... 
- Join the Girls in Engineering Club
- Attend a workshop or one of our info events
- Apply for a WIE Scholarship
- Get involved in real world challenges with UNSW’s flagship ChallENG program

When you get here ...
- Join WIESoc, our student society, and other women in Engineering communities
- Learn entrepreneurial skills with the women-only New Wave program
- Sign up for a mentoring program
- Upskill in our friendly open-access Makerspaces
- Talk to our dedicated Women in Engineering Officer for support

Visit UNSW Women in Engineering at [www.unsw.to/wie](http://www.unsw.to/wie)
Join UNSW Girls in Engineering Club at [www.unsw.to/gie](http://www.unsw.to/gie)

Contact the Women in Engineering team at [wie@unsw.edu.au](mailto:wie@unsw.edu.au)
Impact to date

- 27% female commencing cohort in T1, 2020
- 5000+ members of women in UNSW Engineering student societies
- 60+ Women in Engineering Scholarships awarded to students since 2015, valued at more than $2.3 million
- 78% increase in female first year enrolments since 2013
- 15,000+ high school girls engaged through UNSW Women in Engineering events, workshops and presentations since 2014
- 150 current female scholarship recipients in Engineering
- 800+ members of UNSW Girls in Engineering Club since 2019

As at December 2020
Meet Sanmugi. She’s working to improve water security in drought ravaged communities. ‘I feel so optimistic about my future. I’m looking forward to taking advantage of all the opportunities so I can create a better world.’

Sanmugi Sivakumar,
First year Civil Engineering student
Why study engineering?

Make a difference with a career of the future.

Help people & change the world

Engineers solve the world’s biggest challenges with innovative technologies and solutions.

STEM is the future

75% of the fastest-growing occupations require STEM skills and knowledge, and research shows that women who study two or more STEM subjects boost their income by one-third.*

Diversity is in demand

As a female engineer, you’ll be highly sought after. Diversity in the workplace generates more ideas, stronger solutions and bigger business.**

*The Australian Financial Review
**WGEA
Engineering Schools

With 8 engineering schools and 25+ undergraduate specialisations, you really can invent your future.

- Biomedical Engineering
- Chemical Engineering
- Civil & Environmental Engineering
- Computer Science & Engineering
- Electrical Engineering & Telecommunications
- Mechanical & Manufacturing Engineering
- Minerals & Energy Resource Engineering
- Photovoltaic & Renewable Energy Engineering
What is the UNSW WIE program?

A unique program which provides support, opportunities for development and community.

Scholarship program
A range of philanthropic, industry sponsored and faculty funded scholarships.

Faculty Support
Dedicated staff to help female engineering students with academic, personal and professional support.

Student Projects
Opportunities to get involved in real-world projects and gain valuable experience.

Professional Development
Workshops, resources and mentoring to develop skills for the workforce.

Community & Fun
Social events and societies to build community and foster friendship.
With more than 2600+ members, WIESoc provides students with a broad range of events and activities to build friendships and develop skills while studying.

For women interested in all things electrical, joining TWEET is a must-do. From outreach workshops to social events, there’s something for everyone.

Connect with women interested in renewable energy through WIRE’s social events, workshops and field trips.

A strong, supportive community for promoting diversity, equality and leadership in technology.

Inspire school students through robotics workshops, make friends and access professional development opportunities with Robogals.
Meet Yasmin. She's innovating spaceflight for human missions to Mars. ‘It’s so important to be surrounded by an inclusive community of like-minded women. Being a mentor in the WIESoC Protégé Program was an amazing way to meet other women passionate about uplifting and nurturing younger students.’

Yasmin Zaman
Aerospace Engineering/Neuroscience student
WIE Programs

Gain support, advice or skills through our development and mentoring programs.

Protégé Program with WIESoc
Meet fellow first-years and receive mentoring from an older student to facilitate the transition to UNSW (while making friends)!

Industry Mentoring Program with WIESoc
Get paired with an industry mentor in your prospective field to receive invaluable career advice, networking opportunities and industry insights.

New Wave with Founders
Develop an entrepreneurial mindset with the help of UNSW Founders through this two-week intensive (and free) start-up program.
The ChallENG Program

Get out of the classroom and into the real-world with the ChallENG program. There’s a project for every interest.

https://www.challeng.unsw.edu.au/

VIP
VERTICALLY INTEGRATED PROJECTS

ChallENG yourself to work on research that changes the world.

STUDENT PROJECTS

Student competitions that are a real ChallENG.

SOCIAL IMPACT

Help solve a ChallENG for a community in need.
In the Makerspaces Access state-of-the-art equipment and friendly, dedicated technical officers to make your ideas a reality in Australia’s largest Makerspace Network.

Tools and tech are accessible to everyone – from 3D printing, metalwork, electronics and laser cutting to sewing, leatherwork and beyond, nothing is off limits in our workshops.

Visit the award-winning UNSW Making site and find the right space or machine for your project and skill up online!
Professional Experience

Acquire industrial training, professional skills and career advice.

All UNSW Engineering students complete 60 days of industrial training before graduation so you qualify for accreditation by Engineers Australia and are job-ready from the get go.

From workshops to one-on-one career sessions, we ensure that you have the resources to put your best foot forward.

- Gain first-hand experience working as an engineering professional
- Apply your technical knowledge to real-life situations
- Increase your technical and communication skills
- Gain valuable contacts for future networking opportunities.

“Being part of Sunswift has been the most rewarding experience I’ve had at UNSW - there aren’t many people who can say they’ve built a car before graduating university.”

Courtney Morris
B. of Engineering
(Mechanical)
Meet Andrea. She’s building the world’s most energy efficient car. ‘It’s only onwards and upwards from here. The workplace is becoming more and more diverse, and with more diverse comes more ideas with better solutions. This gives me so much hope for the future.’

Andrea Holden
Mechanical Engineering student
“GIE has encouraged me to work on projects that I otherwise would not have … they challenge my creativity and are an interesting part of my day.”

Eileen Wang
GIE Club member
Women in Engineering camp
Scholarships

Throw your hat in the ring and apply for a scholarship – there's plenty to choose from!

Women in Engineering Scholarships

- Industry WIE scholarships
- Faculty WIE scholarships
- Elite Interstate Women scholarships

Other scholarships to consider...

- Co-op scholarships
- Rural scholarships
- Equity scholarships

“The CIMIC Women in Engineering Scholarship...has been a huge confidence booster, a motivator to do my best and has made me want to seize any and all opportunities.”

Nikita Sethi
B. of Engineering (Civil) / B. of Commerce
Scholarships interview day
Admission Schemes

Worried about your marks? Check out our alternative entry schemes and adjustment factors.

**Faculty of Engineering Admission Scheme**

Your passion for Engineering might not be reflected in your ATAR. The FEAS program gives you the opportunity to demonstrate your interest in engineering and performance in relevant subjects.

**Adjustment Factors**

Anyone can receive adjustment factors for entry into UNSW. They are awarded for performing well in certain subjects, excelling in extra-curriculars or experiencing disadvantage during your studies.

**Indigenous Preparatory Program**

If you identify as Indigenous or Torres Straight Islander, apply for fast-tracked entry into engineering through this two-week intensive program. You’ll get mentoring, tutoring and make new friends.
Stay in the Loop

Keep up to date with all things WIE and UNSW Engineering through your socials!

wie@unsw.edu.au
admin@wiesoc.com

@UNSWEngineering
@wieunsw

UNSW Engineering
UNSW Women in Engineering Society

UNSW Women in Engineering

@UNSWEngineering
Got questions? Get in touch!

If you have any questions or problems, don’t hesitate to reach out to the UNSW Engineering WIE team!

Email: wie@unsw.edu.au