An initiative of
Engineering Aid Australia

Hosted by
Faculty of Engineering
and Information Technologies
at the University of Sydney

Indigenous Australian Engineering Summer School
10-16 January 2016
Interested in engineering?

Engineers play a vital role in the way we live. They provide creative and practical solutions that promote positive change and support communities around the world.

What do engineers do?

As an engineer you could make the next amazing discovery, be involved in space transportation, solar power, securing cyberspace, enhancing our living environments, providing access to clean water or restoring and improving urban infrastructure.

Engineers are not only creative, they have a strong understanding of mathematics and science as well as the business and legal processes involved in society’s challenges. As an engineering student you will develop excellent problem-solving, design and research skills that will enable you to lead innovation that shapes the future.

Why the profession needs you

Engineers are vital to the growth and sustainability of our communities – they design and advise on water, mining, transportation, power, roads, hospitals, schools and communication networks. We need more Aboriginal and Torres Strait Islander people in the profession, particularly in remote communities and outback Australia, to lead infrastructure projects. Engineers are among the most valuable resources a community can have.

Is engineering for me?

If you:
- are good at mathematics and science
- like to be hands on with machinery or practical tools
- enjoy solving challenges
then engineering may just be what you’re looking for.

What is the Engineering Summer School?

The Indigenous Australian Engineering Summer School is an annual event, established and funded by Engineering Aid Australia (a non-profit organisation). Held in January 2016, we are looking for 20 Aboriginal and Torres Strait Islander students, male and female, entering years 11 and 12 in 2016. It is a six-day, live-in summer school, featuring a combination of activities that will give you a taste of what it’s like to study and work in engineering.

What does the school involve?

The school is a challenging and exciting week of fun activities to help you discover how amazing engineering really is. You will also meet engineers and see just how important engineering is to your community.

You’ll get to take part in design work and other hands-on exercises that will develop your new engineering skills. You will spend each morning doing different types of engineering activities and in the afternoons go on site visits to engineering companies where you will find out about the work they do and the diverse careers on offer.

You will live on campus, get a taste of university life, and gain a better understanding of engineering as a university course and career.

Scholarships

Students who are selected to attend the school qualify for an Engineering Aid Australia Continuing School scholarship. This is to help you with education expenses incurred in completing Years 11 and 12. Later, the students who complete Year 12 and gain a place at any university in Australia become eligible for an Engineering Aid Australia scholarship.

This year 60 Continuing School scholarships and six Tertiary Education scholarships were awarded.

What does it cost?

The school is fully funded by Engineering Aid Australia and its sponsors including engineering companies, government departments and private donors. All your travel costs to and from Sydney, as well as accommodation and fees, are provided free of charge. You may need pocket money when travelling and during your stay in Sydney.

How do I apply?

To apply for the Indigenous Australian Engineering Summer School in 2016, you will need to complete the application form provided and submit the supporting documents as requested on the application form.

Selection is based on your interest in engineering-related subjects such as mathematics and science and your personal initiative and outlook.

About the University

Coming to the University of Sydney may be the first step towards the career you’ve always wanted.

Whatever your motivation – and whatever degree you choose – we believe your time with us will put you in a great position. We want to help you build on your aspirations and inspire you to develop new and creative ways of thinking, and to become a global citizen with a lifelong passion for learning.

Ranked among the top 50 engineering and technology universities in the world by QS and Times Higher Education, our degrees cover many areas of study, including robotics, steel structures, space, power, chemical, mechanical, electrical and high-performance computing.

All our graduates leave with globally recognisable qualifications, and we equip them with skills that make them highly sought after by organisations all over the world.

An engineering degree offers you versatility and diversity – one day you could be crunching data gathered from robot trials or testing chemical sprays in a lab; the next you may be putting theory into practice in a paddock in rural NSW.

“Thank you so much for everything that happened during the IAESS, it was an amazing experience and one of the best weeks of my life.”

IAESS participants

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“Have now realised that biomedical engineering may be a path I wish to enter after I complete Year 12. Ever since the IAESS participants left Sydney we have been in touch and I can promise you all of us have had the best experience.”

For more information, visit engineeringaid.org

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Engineering Aid Australia

Engineering Aid Australia is a philanthropic organisation that, with donations from its sponsors, funds the Indigenous Australian Summer Schools and scholarships. The scholarships help students who have attended the school to complete high school and go on to study engineering and related courses at university, learning skills to assist disadvantaged communities in Australia. The schools are Engineering Aid Australia’s main program on behalf of Aboriginal and Torres Strait Islander students.

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Engineering Aid Australia
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