



Curtin University

IAESS

Indigenous Australian Engineering Summer School

15 - 21 January 2017



an initiative of

EngineeringAid Australia
Building futures



Why choose Engineering?

Engineers play a vital role in solving many of society's challenges. With a creative outlook and an understanding of mathematics and science, engineers provide practical and creative solutions that **promote positive change and support communities around the world.**

As an engineering student you will develop excellent problem solving, design and research skills that will enable you to lead innovation and shape the future. You will be equipped with the business and legal processes to make changes in today's evolving society.

One day you may be designing the roads and infrastructure to alter the way we use our city, you may have discovered new technology to transport us to outer space, you may be involved in improving living environments across the world or you may be producing the robotics for 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, agriculture, power, roads, hospitals, schools and communication networks.

The engineering profession needs more Aboriginal and Torres Strait Islander people, particularly in remote communities and outback Australia, to lead infrastructure projects. Engineers are among the most valuable resources a community can have and you can make a difference to your community.

Is engineering the right choice for you?

- Are you good at mathematics and science?
- Do you like to be hands on with machinery and practical tools?
- Do you enjoy solving challenges?

WHAT IS THE ENGINEERING SUMMER SCHOOL?

The Indigenous Australian Engineering Summer School (IAESS) is an annual event, established by Engineering Aid Australia (a non-profit organisation) and funded by their sponsors and donors.

For the summer school in January 2017, we are looking for 25 Aboriginal and Torres Strait Islander students, male and female, who will be entering year 10, 11, or 12 in 2017.

The program is an exciting week of activities to help you discover how amazing engineering really is. You will meet engineers and see how important it is to your community.

You will have the opportunity to design work and other hands-on exercises that will develop your engineering skills. Your experience will include on-campus activities and off campus visits to industry sites.

IAESS is:

- One week long - Sunday to Saturday;
- Live-in – accommodation provided, travel to/from Perth paid for;
- Catered – all meals, drinks and snacks included;
- Supervised – Indigenous university students as house parents;
- Industry supported – site visits and industry representatives;
- Academically supported – exciting and educational activities every day; and
- Free – spending money is optional but not necessary.

SCHOLARSHIPS

If you are selected to attend the summer school, you will also qualify for an Engineering Aid Australia Continuing School scholarship. This is to help with some of your education expenses in year 10, 11, and 12.

Later, if you complete Year 12 and get a place at any university in Australia in an engineering or related degree, you will be eligible for an Engineering Aid Australia Tertiary Education scholarship.

THE HOSTS

The Faculty of Science and Engineering at Curtin University

Curtin's Faculty of Science and Engineering has an international reputation for the quality of its graduates and research achievements. It is at the forefront of technological and scientific innovation that encompasses the areas of Engineering, Science, Computing, Mathematics, Agriculture, Environmental Sciences, Mining and Resources.

Curtin University is WA's most preferred university and is globally recognised for its strong connections with industry, high-impact research and wide range of innovative courses. Curtin is ranked in the top 2% of universities worldwide.

Our strong global reputation has seen us rise up the international university rankings in recent years. We're now ranked in the top two per cent of universities worldwide in the prestigious Academic Ranking of World Universities 2015.

We're also ranked 23rd globally for universities under the age of 50 in the QS World University Rankings 2015 and received a five-star overall excellence rating in the QS Stars rating.

When you join Curtin, you join an international family. Around a third of our 60,000 students come from a country outside Australia, which adds a valuable dimension to your university experience, both in and out of the classroom.

This worldwide focus has resulted in Curtin being ranked one of the world's most international universities in 2016 by Times Higher Education.

HOW DO I APPLY?

To apply for the Indigenous Australian Engineering Summer School in 2017, you will need to complete the application form provided and submit the supporting documents as requested on the form.


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

The Centre for Aboriginal Studies at Curtin

The Centre for Aboriginal Studies (CAS) is an Aboriginal managed academic school established at Curtin University in Western Australia in 1983. CAS promotes the participation of Aboriginal and Torres Strait Islander people in tertiary studies, and aims to create new ways of learning and working that are culturally appropriate, for the benefit of all people. The Centre is committed to increasing the participation of Aboriginal and Islander students in higher education. CAS supports over 450 Aboriginal and Islander students who are enrolled in various courses at Curtin, the highest number of Indigenous students of any university in Australia.

Engineering Aid Australia

Engineering Aid Australia is a philanthropic organisation that, with donations from its sponsors, funds the Indigenous Australian Engineering Summer Schools. The Schools are their principal program on behalf of Indigenous young Australians.



**For more information about IAESS,
please contact:**

Gabrielle Migliore

IAESS Program Manager Engineering Outreach,
Faculty of Science and Engineering Curtin University
engineeringoutreach@curtin.edu.au

Engineering Aid Australia

www.engineeringaid.org

Artwork painted by the students at West Beechboro Primary School, Western Australia