In this guide we provide information on the:
- 8 disciplines of UNSW Engineering
- Degrees you can study
- Over $3 million worth of Engineering Faculty scholarships available.

Most importantly, what you learn outside the classroom is just as important as your formal education. If you want to become a highly employable student:
- Get involved in our Student-led Projects and societies
- Join the Women in Engineering Program or
- Go on international exchange to broaden your horizons. I consider it a privilege to be an engineer; it’s a stimulating career that is at the very heart of our modern technological society.

By choosing UNSW Engineering, your future is among the brightest students in the country. Your personal and professional development will appeal to employers, and your career opportunities will benefit from our strong industry partnerships and an extensive international alumni network. Come join us!

Professor Mark Hoffman - Dean, UNSW Engineering

engineering.unsw.edu.au

# Student-led Projects

One of the most exciting opportunities at UNSW Engineering is our Student-led Projects. It gives our students a vital leg-up in their careers, as they leave university experienced in real-world, team-based engineering that looks great on their resume. Here are some of the inspiring projects.

## Redback Racing

Redback Racing is a society that designs, manufactures, tests and races an open-wheel Formula SAE spec car. Every year since 2000 the team has competed in the annual FSAE-Australasia Competition held in December, racing against cars from other Asia-Pacific universities. Run by the Society of Automotive Engineers, the Redback Racing team has been rewarded with several top five positions, clocking speeds of 150km/hr in the process. Cars are also judged on performance, fuel consumption, design, cost to manufacture and commercial viability.

redbackracing.unsw.edu.au

## rUNSWhit

The UNSW RoboCup SPL Team, rUNSWhit, participates in the annual international RoboCup competition, building fully autonomous soccer playing robots. The aim is to build a team of robots that can win the FIFA World Cup by 2050 against human opponents. UNSW has won RoboCup more than any other team, including in 2014 and 2015! While the soccer makes the competition fun, the real goal is to produce research that can help humanity. This ranges from limb detection performance to save factory workers maiming machines, to home butlers that can help the elderly or disabled.

sunswift.com

## BLUEsat

The BLUEsat team focuses on the design and development of space capable hardware, including satellites, rovers and ground stations. Students join competitions and learn skills from a variety of engineering disciplines, including project management and satellite engineering. BLUEsat is a frequent contributor to the Australian Space Research Conference, and has a strong working relationship with local space bodies.

bluesat.com.au

## Robogals

Robogals is a student-run organisation that aims to increase female participation in engineering, science and technology through initiatives that are both fun and educational. The primary activity sees university student volunteers (female and male) visit girls in primary and secondary schools to run LEGO robotics workshops. Here they mentor a range of teams in LEGO robotics competitions.

unsw.to/engslp

## Engineers Without Borders (EWB)

- UNSW hosts a large and active chapter of Engineers Without Borders (EWB). It’s all about providing solutions to benefit and empower disadvantaged communities through two-way knowledge sharing, the application of appropriate technologies and sustainable engineering solutions. You can join our research team, attend our workshops, get involved with real local projects, or even go on a learning tour in South East Asia with the EWB Design Summit. You can also do the EWB Challenge in your first year and do your thesis with EWB in your fourth year!

ewb.com.au

utsw.to/engslp

## Join the EWB Challenge

Students are provided with all the necessary training, and we also run a range of other activities. Past events have included a robotics camp, a mass robot dance, a shirt design tournament, trivia nights and the RoboCup Junior competition.
Women in engineering

UNSW Engineering is working hard to hit its goal of ensuring 30% of our enrolled students are female by 2020. We have an illustrious history of female graduates making a difference and changing the world, and an incredible support network to help women. Female engineers are currently in huge demand by employers, paving the way to a fantastic career.

In addition to workshops and networking events, the program provides students with the opportunity to give back through volunteering. Together, WIE volunteers dream up new activities to inspire teenagers so they can better consider a future in engineering. These are then delivered to school groups. WIE is a great way to make friends through teamwork, to share your enthusiasm for engineering, and to strengthen your own commitment to changing the world.

Meet Monique Alfris

Sometimes a little thing can make a big difference to peoples’ lives. When UNSW Engineering graduate Monique Alfris saw the way people live in India’s slums, crowded into windowless shanties in almost constant darkness, she saw a huge opportunity to have a positive impact on the world. Monique founded Pollinate Energy, a not-for-profit that brings affordable solar powered lighting to India’s urban poor, replacing their smoky and expensive kerosene lamps. Pollinate Energy provides local jobs to residents and healthy, economical illumination.

Feel the beat

■ You won’t believe the places engineers end up and the fascinating work they do! We’ve enlisted Australian DJ duo NERVO as Women in Engineering ambassadors to help people understand how the work of engineers impacts you in your everyday life. The NERVO twins studied sound engineering before they made it big in music, and their message to everyone is clear - “don’t let your gender make the decision for you, because you can do anything!”

Case study

Ojasvi Chavali – Universidad Carlos I, Madrid, Biomedical/Computer Engineering

■ “Being on exchange has literally opened up a world of opportunity. I’ve met people from every continent, learnt a language, indulged in the local culture by siesta-ing and fiesta-ing, and travelled to more countries than I can count. Every day has been different and exciting, allowing me to expand out of my comfort zone. I also have had the opportunity to study in a prestigious European university with amazing facilities and academics. Exchange is a bundle of unique and fun memories.”

Travel the world on exchange

An essential part of being a world-class university is giving students a global engineering experience. After all, how can you make a world of difference without seeing the world? On student exchange you can immerse yourself in a new culture, open up surprising career opportunities and maybe even pick up a second language! UNSW Engineering students are actively encouraged to pursue experiences through international exchange or industry placements, using our connections with universities all around the globe.

The answer is “yes!”

+ Are there exchange scholarships available?
+ Can I do internships overseas?
+ Will there be any volunteering opportunities?
+ Is it possible to receive credit towards a degree?
+ Are there overseas industrial training placements?
+ What about short courses and study tours?
The nine engineering disciplines of UNSW

UNSW’s nine disciplines offer a diverse range of specialisations. This guide is a brief overview of the content offered, but we invite you to reach out for a deeper, more personalised digital kit that is focused on the areas in which you’re interested.

Biomedical Engineering
- gisbme.unsw.edu.au
- biomedeng@unsw.edu.au
- 02-9385-3911

Biomedical Engineering sits at the intersection of technology and human biology, applying the latest developments in computing, robotics and nanotechnology to medicine in order to ensure a better life for all of us. Biomedical engineers create new technologies that improve disease diagnosis, find better ways of patient monitoring, revolutionise medical treatment and more. If you’re fascinated by human anatomy, AI and robotics, choose Biomedical Engineering.

<table>
<thead>
<tr>
<th>Degree name</th>
<th>UAC</th>
<th>Years</th>
<th>CE</th>
<th>GE</th>
<th>IB</th>
<th>Brief overview</th>
<th>More info</th>
</tr>
</thead>
</table>
| Biomedical Engineering (Masters) | 425950 | 5 | 92 | 92 | 34 | Biomedical engineers bridge the gap between clinical medicine and the increasingly complex world of medical technologies. This is a Masters level degree completed in conjunction with an undergraduate engineering specialisation. | unsw.to/engbiomed

Also see the Dual Degree page

Chemical Engineering
- che.unsw.edu.au
- che@unsw.edu.au
- 02-9385-4319

UNSW’s School of Chemical Engineering provides honours degrees in three discipline areas, Chemical Engineering, Food Science and Industrial Chemistry. The Chemical Engineering degree is industry accredited by the IChemE (Institution of Chemical Engineers) and the Food Science program has been approved by the Higher Education Review Board for the IFT (Institute of Food Technologists).

<table>
<thead>
<tr>
<th>Degree name</th>
<th>UAC</th>
<th>Years</th>
<th>CE</th>
<th>GE</th>
<th>IB</th>
<th>Brief overview</th>
<th>More info</th>
</tr>
</thead>
</table>
| Chemical Engineering (Hons) | 425550 | 4 | 92 | 92 | 34 | This degree involves designing processes to convert raw materials into useful products – like fuels, foods and pharmaceuticals – in a safe and economical way. | unsw.to/engchem

Food Science & Technology/ Nutrition (Hons) | 425600 | 4 | 92 | 92 | 34 | Offered in two program streams, this degree explores the processing, packaging, preservation, product design and development, components of flavour, nutrition, safety and quality of food. | unsw.to/foodsci

Industrial Chemistry (Hons) | 425550 | 4 | 92 | 92 | 34 | This degree is concerned with researching, developing and improving properties of products. It’s about taking projects from inception as a research proposal, through product development to commercialisation. | unsw.to/indchem
**Computer Science and Engineering**

At UNSW Computer Science and Engineering, we provide the most technically challenging computing degrees in Australia. We produce entrepreneurial students who are engaged, successful and sought after by the country's leading employers and throughout the world. Our diverse group of internationally recognised researchers work together to advance the fundamental knowledge of computing, which makes a strong impact on the industry and society.

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<table>
<thead>
<tr>
<th>Degree name</th>
<th>UAC</th>
<th>Years</th>
<th>GE</th>
<th>IB</th>
<th>2017 cut-off</th>
<th>IB</th>
<th>Brief overview</th>
<th>More info</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioinformatics Engineering (Hons)</td>
<td>425770</td>
<td>4</td>
<td>92</td>
<td>92</td>
<td>34</td>
<td></td>
<td>Bioinformatics sits at the convergence of computing and the life sciences. It's aimed at the development of technologies for storing, extracting, organising, analysing, interpreting and utilising genetic information, leading to new medical cures.</td>
<td>cse.unsw.edu.au</td>
</tr>
<tr>
<td>Computer Engineering (Hons)</td>
<td>425700</td>
<td>4</td>
<td>92</td>
<td>92</td>
<td>34</td>
<td></td>
<td>Computer Engineering enables the study of hardware and software components for the integrated design of computerised systems. It involves Electrical Engineering courses, alongside the common computing core.</td>
<td>cse.unsw.edu.au</td>
</tr>
<tr>
<td>Computer Science (A three year degree with potential 4th year for Honours)</td>
<td>425800</td>
<td>3/4</td>
<td>92</td>
<td>92</td>
<td>34</td>
<td></td>
<td>Computer Science is the most flexible computing degree available at UNSW. Students study the common computing core, and then choose from exciting specialisations such as artificial intelligence, security engineering and many more.</td>
<td>cse.unsw.edu.au</td>
</tr>
<tr>
<td>Software Engineering (Hons)</td>
<td>425750</td>
<td>4</td>
<td>92</td>
<td>92</td>
<td>34</td>
<td></td>
<td>This degree combines the common computing core courses with design and project management skills. These are based off the industry's real problems and its best practice. It goes beyond programming, and focusses on software design.</td>
<td>cse.unsw.edu.au</td>
</tr>
</tbody>
</table>

**Electrical Engineering and Telecommunications**

Electrical Engineering focuses its study on both the aircraft that operate within the atmosphere, and also space vehicles like rockets and satellites. Telecommunications explores how information is transferred from one point to another, whether that’s high resolution images of a distant planet, or massive bandwidth video-on-demand.

<table>
<thead>
<tr>
<th>Degree Name</th>
<th>UAC</th>
<th>Years</th>
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<th>IB</th>
<th>2017 cut-off</th>
<th>IB</th>
<th>Brief overview</th>
<th>More info</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical Engineering (Hons)</td>
<td>425100</td>
<td>4</td>
<td>92</td>
<td>92</td>
<td>34</td>
<td></td>
<td>Think about the infrastructure that allows you to call anywhere in the world on your mobile. Or the generation, transmission and control systems that connect your house to the power grid. That’s Electrical Engineering.</td>
<td>cse.unsw.edu.au</td>
</tr>
<tr>
<td>Electrical Engineering BE (Hons) ME</td>
<td>425150</td>
<td>5</td>
<td>96</td>
<td>96</td>
<td>38</td>
<td></td>
<td>This program provides students with more depth and flexibility than Electrical Engineering via a broadening discipline (minor) not offered to bachelor students.</td>
<td>cse.unsw.edu.au</td>
</tr>
<tr>
<td>Telecommunications (Hons)</td>
<td>425100</td>
<td>4</td>
<td>92</td>
<td>92</td>
<td>34</td>
<td></td>
<td>Telecommunications explores how information is transferred from one point to another, whether that’s high resolution images of a distant planet, or massive bandwidth video-on-demand.</td>
<td>cse.unsw.edu.au</td>
</tr>
</tbody>
</table>

**Mechanical and Manufacturing Engineering**

How many times have you used a machine today? They make our lives so much easier by harnessing energy to do the work for us. Machines cool our homes and control the fires in the bellies of power stations. They plough our fields, mine our minerals, run our factories and transport us from place to place. Mechanical and manufacturing engineers are masters of energy, mass, motion and forces. They design and maintain everything that pumps, digs, rolls, drives, floats or flies.

<table>
<thead>
<tr>
<th>Degree name</th>
<th>UAC</th>
<th>Years</th>
<th>GE</th>
<th>IB</th>
<th>2017 cut-off</th>
<th>IB</th>
<th>Brief overview</th>
<th>More info</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerospace Engineering (Hons)</td>
<td>425050</td>
<td>4</td>
<td>92</td>
<td>92</td>
<td>34</td>
<td></td>
<td>Aerospace Engineering focuses its study on both the aircraft that operate within the atmosphere, and also space vehicles like rockets and satellites.</td>
<td>cse.unsw.edu.au</td>
</tr>
<tr>
<td>Mechanical and Manufacturing Engineering (Hons)</td>
<td>425050</td>
<td>4</td>
<td>92</td>
<td>92</td>
<td>34</td>
<td></td>
<td>This specialisation focuses on industrial technology, automation, process design and management, and prepares you to design, develop and manufacture real products across a vast range of industries.</td>
<td>cse.unsw.edu.au</td>
</tr>
<tr>
<td>Mechanical Engineering (Hons)</td>
<td>425050</td>
<td>4</td>
<td>92</td>
<td>92</td>
<td>34</td>
<td></td>
<td>This degree teaches you how to design and manage the construction, operation and maintenance of machines used in many industries.</td>
<td>cse.unsw.edu.au</td>
</tr>
<tr>
<td>Mechatronic Engineering (Hons)</td>
<td>425020</td>
<td>4</td>
<td>92</td>
<td>92</td>
<td>34</td>
<td></td>
<td>Focused on the design of smart machines, robotics and autonomous systems, this degree uses many elements from Electrical Engineering and Computer Science.</td>
<td>cse.unsw.edu.au</td>
</tr>
</tbody>
</table>
Mining Engineering
- mining.unsw.edu.au  ■ mining@unsw.edu.au  ■ 02-9385-5006

Australia is rich in resources and, as a result, is a major supplier of minerals and energy to the world. A mining engineer evaluates plans and oversees the construction of a mine. They’re involved in a project through all phases of mining operations – from exploration and discovery of the mineral resource, through feasibility studies, mine design, development of plans and production, scheduling, operations, processing and even marketing. All the way to closure and land rehabilitation.

<table>
<thead>
<tr>
<th>Degree name</th>
<th>UAC</th>
<th>Years</th>
<th>GE</th>
<th>2017 Cut-off</th>
<th>IB</th>
<th>More info</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mining Engineering (Hons)</td>
<td>425300</td>
<td>4</td>
<td>92</td>
<td>92</td>
<td>34</td>
<td>This degree provides a comprehensive understanding of how complex mining systems service global mineral needs. unsw.edu/engmin</td>
</tr>
</tbody>
</table>

Petroleum Engineering
- petrol.unsw.edu.au  ■ petrolb@unsw.edu.au  ■ 02-9385-5189

Become an expert at solving problems and designing technologies that work kilometres underground. Petroleum engineers apply their knowledge of chemistry, physics, geology and economics to the discovery, development and production of energy and material resources below the Earth’s surface. They’re also involved in reducing greenhouse gas emissions through carbon capture and sequestration, the development of cleaner energy sources, and geothermal energy production.

<table>
<thead>
<tr>
<th>Degree name</th>
<th>UAC</th>
<th>Years</th>
<th>GE</th>
<th>2017 Cut-off</th>
<th>IB</th>
<th>More info</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum Engineering (Hons)</td>
<td>425650</td>
<td>4</td>
<td>92</td>
<td>92</td>
<td>34</td>
<td>You learn to apply science to the challenges with oil and gas exploration, drilling and production. Major studies: petroleum geology and geophysics, reservoir characterisation, drilling and completion, and oil and gas production. unsw.edu/engtrl</td>
</tr>
</tbody>
</table>

Photovoltaic and Renewable Energy Engineering
- pv.unsw.edu.au  ■ pv.course@unsw.edu.au  ■ 02-9385-7120

This School encompasses the broad spectrum of all of the renewable energy technologies and engineering them to make the most of those resources. This is a very broad field, ranging from micro-hydro systems to mega-scale photovoltaic, wind, tidal and biomass energy systems, as well as efficient use of energy and energy storage. We study everything from how materials behave at the atomic level, to the modeling and construction of utility scale power generation facilities.

<table>
<thead>
<tr>
<th>Degree name</th>
<th>UAC</th>
<th>Years</th>
<th>GE</th>
<th>2017 Cut-off</th>
<th>IB</th>
<th>More info</th>
</tr>
</thead>
<tbody>
<tr>
<td>Photovoltaics &amp; Solar Energy Engineering (Hons)</td>
<td>425200</td>
<td>4</td>
<td>92</td>
<td>92</td>
<td>34</td>
<td>Photovoltaic Engineering studies the manufacture and use of solar cells that capture and convert light from the sun to create electricity. unsw.edu/solar</td>
</tr>
<tr>
<td>Renewable Energy Engineering (Hons)</td>
<td>425200</td>
<td>4</td>
<td>92</td>
<td>92</td>
<td>34</td>
<td>About half of what you study in this degree is common with Photovoltaics &amp; Solar Energy, but it looks beyond the sun as a source of energy, encompassing a wider range of technologies and their uses. It also addresses the important areas of solar architecture and the design of energy efficient buildings and appliances. unsw.edu/engrenew</td>
</tr>
</tbody>
</table>

Flexible First Year
- eng.unsw.edu.au  ■ esc@unsw.edu.au  ■ 02-9385-5281

A key part of UNSW’s commitment to help students grow into their career, the Flexible First Year degree is for those who know they want to be an engineer, but have yet to work out which direction to take. It allows you to explore a number of areas before deciding upon your final specialisation.

<table>
<thead>
<tr>
<th>Degree name</th>
<th>UAC</th>
<th>Years</th>
<th>GE</th>
<th>2017 Cut-off</th>
<th>IB</th>
<th>More info</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexible First Year (Hons)</td>
<td>425000</td>
<td>1</td>
<td>92</td>
<td>92</td>
<td>34</td>
<td>Students complete five core subjects, then choose electives that fit their future degree. unsw.edu/flexfirstyear</td>
</tr>
</tbody>
</table>
Students interested in a deeper level of learning should consider extending their bachelor degree by combining it with another degree or completing a masters. Making a decision to do a Dual Degree up front allows you to get more achieved in less time, broadening your skills and job opportunities.

Dual degrees

I unsw.to/EngDual

Dual degrees overseen by the Engineering Faculty

<table>
<thead>
<tr>
<th>Degree Name</th>
<th>UAC</th>
<th>Years</th>
<th>GE</th>
<th>2017 cut-off</th>
<th>IB</th>
</tr>
</thead>
<tbody>
<tr>
<td>B Computer Science + B Arts</td>
<td>425800</td>
<td>4</td>
<td>92</td>
<td>92</td>
<td>34</td>
</tr>
<tr>
<td>B Computer Science + B Media Arts (Hons)</td>
<td>425801</td>
<td>5</td>
<td>92</td>
<td>92</td>
<td>34</td>
</tr>
<tr>
<td>B Computer Science + B Science</td>
<td>425800</td>
<td>4</td>
<td>92</td>
<td>92</td>
<td>34</td>
</tr>
<tr>
<td>B Engineering (Hons) + B Arts</td>
<td>425850</td>
<td>5.5</td>
<td>92</td>
<td>92</td>
<td>34</td>
</tr>
<tr>
<td>B Engineering (Hons) + B Commerce</td>
<td>425900</td>
<td>6</td>
<td>97</td>
<td>96.3</td>
<td>34</td>
</tr>
<tr>
<td>B Engineering (Hons) + BS Computer Science</td>
<td>425850</td>
<td>5</td>
<td>92</td>
<td>92</td>
<td>34</td>
</tr>
<tr>
<td>B Engineering (Hons) + B Engineering Science (Civil + Mining or Mining + Civil)</td>
<td>425401</td>
<td>5</td>
<td>92</td>
<td>92</td>
<td>34</td>
</tr>
<tr>
<td>B Engineering (Hons) + B Engineering Science (Environmental + Civil or Civil + Environmental)</td>
<td>425401</td>
<td>5</td>
<td>92</td>
<td>92</td>
<td>34</td>
</tr>
<tr>
<td>B Engineering (Hons) in Bioinformatics, Chemical, Computer, Electrical, Mechanical, Mechatronic, Software or Telecommunications + Master of Biomedical Engineering</td>
<td>425950</td>
<td>5</td>
<td>92</td>
<td>92</td>
<td>34</td>
</tr>
<tr>
<td>B Engineering (Hons) + Master of Engineering in Electrical Engineering</td>
<td>425850</td>
<td>5</td>
<td>96</td>
<td>96</td>
<td>38</td>
</tr>
<tr>
<td>B Engineering (Hons) + B Science</td>
<td>425850</td>
<td>5</td>
<td>92</td>
<td>92</td>
<td>34</td>
</tr>
<tr>
<td>BE Civil Engineering (Hons) + B Surveying</td>
<td>425402</td>
<td>5</td>
<td>92</td>
<td>92</td>
<td>34</td>
</tr>
</tbody>
</table>

Engineering dual degrees overseen by other UNSW faculties

<table>
<thead>
<tr>
<th>Degree Name</th>
<th>UAC</th>
<th>Years</th>
<th>GE</th>
<th>2017 cut-off</th>
<th>IB</th>
</tr>
</thead>
<tbody>
<tr>
<td>BS Advanced Mathematics (Hons) + BS Computer Science (Science Faculty)</td>
<td>429331</td>
<td>5</td>
<td>95</td>
<td>95</td>
<td>37</td>
</tr>
<tr>
<td>BS Advanced Mathematics (Hons) + B Engineering (Hons) (Science Faculty)</td>
<td>429330</td>
<td>6</td>
<td>95</td>
<td>95</td>
<td>37</td>
</tr>
<tr>
<td>B Advanced Science (Hons) + B Engineering (Hons) (Science Faculty)</td>
<td>429360</td>
<td>6</td>
<td>95</td>
<td>95</td>
<td>37</td>
</tr>
<tr>
<td>B Music + B Engineering (Hons) (Arts and Social Sciences) + audition</td>
<td>422520</td>
<td>6.5</td>
<td>92*</td>
<td>92*</td>
<td>34*</td>
</tr>
<tr>
<td>B Engineering (Hons) + B Laws (Law Faculty) + Master of Biomedical Engineering (Science Faculty)</td>
<td>426000</td>
<td>6.5</td>
<td>*</td>
<td>*</td>
<td>**</td>
</tr>
<tr>
<td>B Engineering (Hons) + B Mechanical Engineering (Science Faculty)</td>
<td>429630</td>
<td>5</td>
<td>92</td>
<td>92</td>
<td>34</td>
</tr>
<tr>
<td>B Material Science &amp; Engineering (Hons) + Master of Biomedical Engineering (Science Faculty)</td>
<td>429620</td>
<td>5</td>
<td>92</td>
<td>92</td>
<td>34</td>
</tr>
<tr>
<td>B Advanced Science (Hons) + BS Computer Science (Science Faculty)</td>
<td>429361</td>
<td>5</td>
<td>95</td>
<td>95</td>
<td>37</td>
</tr>
<tr>
<td>B Commerce + BS Computer Science (Business School)</td>
<td>424000</td>
<td>4</td>
<td>97</td>
<td>96.3</td>
<td>38</td>
</tr>
<tr>
<td>BS Computer Science + B Laws (Law Faculty) + Master of Biomedical Engineering (Science Faculty)</td>
<td>426000</td>
<td>5</td>
<td>*</td>
<td>*</td>
<td>**</td>
</tr>
</tbody>
</table>

Yes! You should apply for a scholarship

So you might be surprised to know that some scholarships go unfilled every year due to a lack of suitable applicants. If you think you meet the criteria, then you should definitely apply. Just remember, applications close on September 30, 2017.

To apply scholarships.unsw.edu.au

Dual degrees overseen by other UNSW faculties

<table>
<thead>
<tr>
<th>Degree Name</th>
<th>UAC</th>
<th>Years</th>
<th>GE</th>
<th>2017 cut-off</th>
<th>IB</th>
</tr>
</thead>
<tbody>
<tr>
<td>BS Advanced Mathematics (Hons) + BS Computer Science (Science Faculty)</td>
<td>429331</td>
<td>5</td>
<td>95</td>
<td>95</td>
<td>37</td>
</tr>
<tr>
<td>BS Advanced Mathematics (Hons) + B Engineering (Hons) (Science Faculty)</td>
<td>429330</td>
<td>6</td>
<td>95</td>
<td>95</td>
<td>37</td>
</tr>
<tr>
<td>B Advanced Science (Hons) + B Engineering (Hons) (Science Faculty)</td>
<td>429360</td>
<td>6</td>
<td>95</td>
<td>95</td>
<td>37</td>
</tr>
<tr>
<td>B Music + B Engineering (Hons) (Arts and Social Sciences) + audition</td>
<td>422520</td>
<td>6.5</td>
<td>92*</td>
<td>92*</td>
<td>34*</td>
</tr>
<tr>
<td>B Engineering (Hons) + B Laws (Law Faculty) + Master of Biomedical Engineering (Science Faculty)</td>
<td>426000</td>
<td>6.5</td>
<td>*</td>
<td>*</td>
<td>**</td>
</tr>
<tr>
<td>B Engineering (Hons) + B Mechanical Engineering (Science Faculty)</td>
<td>429630</td>
<td>5</td>
<td>92</td>
<td>92</td>
<td>34</td>
</tr>
<tr>
<td>B Material Science &amp; Engineering (Hons) + Master of Biomedical Engineering (Science Faculty)</td>
<td>429620</td>
<td>5</td>
<td>92</td>
<td>92</td>
<td>34</td>
</tr>
<tr>
<td>B Advanced Science (Hons) + BS Computer Science (Science Faculty)</td>
<td>429361</td>
<td>5</td>
<td>95</td>
<td>95</td>
<td>37</td>
</tr>
<tr>
<td>B Commerce + BS Computer Science (Business School)</td>
<td>424000</td>
<td>4</td>
<td>97</td>
<td>96.3</td>
<td>38</td>
</tr>
<tr>
<td>BS Computer Science + B Laws (Law Faculty) + Master of Biomedical Engineering (Science Faculty)</td>
<td>426000</td>
<td>5</td>
<td>*</td>
<td>*</td>
<td>**</td>
</tr>
</tbody>
</table>

For more info:
unsw.to/EngDual

Contact info:
+61-2-9385-1078
scholarships@unsw.edu.au
Alternate pathways to UNSW Engineering

The ATAR cut-offs for engineering degrees at UNSW are among the highest in the country. If you don’t achieve the selection rank required for Guaranteed Entry, you have alternatives.

Faculty of Engineering Admission Scheme (FEAS)
- If your ATAR (or equivalent including applicable bonus points) is between 82.00 to 91.95, there’s still a chance you can enrol at UNSW Engineering. We strongly encourage you to put in an application for interview under FEAS. At the interview, you’ll have the opportunity to meet with engineering academics, exchange information, and show your passion and suitability for studying at UNSW.

Elite Athletes and Performers Program (EAPP)
- We offer a flexible entry and support program for elite athletes or performers so they can dedicate time to their endeavours. The EAPP supports students with a flexible entry process (including eligibility for bonus points on their ATAR) and flexible study times.

Special circumstances
- UNSW is committed to the goals of equal opportunity and affirmative action in education. Below are the special entry programs available:
  - **Access Scheme**
    (For students who are experiencing unexpected hardships.)
    - [unsw.edu.au/access-scheme](http://unsw.edu.au/access-scheme)
  - **Nura Gili Indigenous Programs**
    - [nuragili.unsw.edu.au](http://nuragili.unsw.edu.au)
  - **Students with disabilities**
    - [studentequity.unsw.edu.au](http://studentequity.unsw.edu.au)
  - **TAFE Certificate in Tertiary Preparation (TPC)**
    - [unsw.edu.au/tpc](http://unsw.edu.au/tpc)
  - **Future Students**
    - [unsw.edu.au/futurestudents](http://unsw.edu.au/futurestudents)
  - **University Preparation Program (UPP)**
    - [unsw.edu.au/upp](http://unsw.edu.au/upp)
  - **University Preparation Program (UPP)**
    - [unsw.edu.au/upp](http://unsw.edu.au/upp)
  - **University Orientation and Study Skills (UOSS)** as the first part of the program.
  - [ufs.unsw.edu.au](http://ufs.unsw.edu.au)
  - [unsw.edu.au/upr](http://unsw.edu.au/upr)

Utility program
- **University Preparation Programme (UPP)**
  - This is an alternative to ATAR (or equivalent) for students who have not completed their HSC or equivalent. This provides clarity for future students and alleviates some of the uncertainty that comes with the selection process.
  - If you achieve a selection rank - ATAR (or equivalent), plus applicable bonus points - of the published rank, you will have Guaranteed Entry (GE) to your chosen degree. This occurs in the UAC Main Round in January, as long as your chosen degree is listed as your highest eligible preference.

How to apply

Once you have established which degree is right for you, there’s only one step left and that’s to apply. There are multiple ways to enrol, but it’s not complicated thanks to our online tools. Simply follow these instructions:

Australian and New Zealand students
- Applications must be made through the Universities Admissions Centre (UAC). Direct entry requires your ATAR to gain enrolment. You also need to be an Australian citizen or permanent resident, or a New Zealand citizen to apply.
  - [uac.edu.au](http://uac.edu.au)

International students in Australia
- Applications must be made through the Universities Admissions Centre’s international portal.
  - [uac.edu.au/international](http://uac.edu.au/international)

International students not in Australia
- Applications must be made directly through UNSW.
  - [international.unsw.edu.au](http://international.unsw.edu.au)

Guaranteed Entry
- Enrolling for university is a big decision and we want to take away the uncertainty. Guaranteed Entry alleviates some of this uncertainty and provides clarity for future students.
- If you achieve a selection rank – ATAR (or equivalent), plus applicable bonus points – of the published rank, you will have Guaranteed Entry (GE) to your chosen degree. This occurs in the UAC Main Round in January, as long as your chosen degree is listed as your highest eligible preference in your UAC application.

All Australian citizens and permanent residents with a high school qualification that has been completed within the last five years are eligible for a Guaranteed Entry. You must not have completed any study since finishing high school. This includes university preparation programs, TAFE, private sector diplomas or university level study.

The 2017 Guaranteed Entry rank

<table>
<thead>
<tr>
<th>Engineering</th>
<th>Electrical Engineering</th>
<th>Engineering (Civil with Architecture) (Hons)</th>
<th>Engineering (Hons) Commerce</th>
</tr>
</thead>
<tbody>
<tr>
<td>92</td>
<td>96</td>
<td>96</td>
<td>97</td>
</tr>
</tbody>
</table>
Did you know?

1

The no. 1 engineering faculty in Australia*

*According to the 2016 ARWU/SJTU rankings

UNSW has been awarded “Most Employable University” in the Top 100 Future Leaders Awards 2016*

*GradConnect and The Australian Financial Review

More than 30 student-led projects, clubs and societies in which to build networks and make friends

We have $3,000,000 in engineering undergraduate scholarships on offer every year

UNSW Engineering Uncover STEM (USTEM) is an outreach program that focuses on educating high school students about STEM careers. There is a booking system that allows you to attend hands-on workshops presented by current UNSW students. These students are part of our famous Student-led Project teams. ustem@unsw.edu.au

The Blog

Imagineering: Students changing the face of engineering

Do you want to know what it will be like studying at UNSW? The excitement, the amazement and, yes, maybe even a little bit of fear. Well, there are thousands of students at UNSW who have just gone through it all themselves, and some are sharing their experiences with new students on our blog. Whether it’s dealing with the workload, making new friends, considering student exchange or finding accommodation, discovering what life is like at UNSW is just a click away.

unsw.to/imagineering

Contact Us

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+61-(2)-9385-5201 (student centre)
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