UNSW Sydney is offering a three day workshop (with 36 places in total) for Year 10 and Year 11 high school students with an aptitude for mathematics, a passion for science and a love of problem solving. The workshop is held at the School of Electrical Engineering and Telecommunications.

The workshop will include:

- Engineering design challenges and an introduction to the basics of several electrical engineering disciplines; such as signal processing, electronics design, computer programming, power, control and telecommunications systems.
- Tours of the school facilities, including the educational laboratories, and a field trip to an industrial organisation, providing insight into the importance of complex electrical and electronic systems in everyday life.

What: A three day exploration of electrical engineering
Where: 10th October to 12th October 2018 (applications close 27th September)
Where: School of Electrical Engineering & Telecommunications, UNSW Sydney (Kensington campus)
Cost: $125 (includes lunches, electronic components and excursions)
Online application form: www.ee.unsw.edu.au/tasteofee

Applications close 27th September 2018
Engineering the future...

People with expertise in technologies related to information processing and transmission, as well as power generation and distribution, will play an increasingly important role in our society. Already, the demand for electrical and telecommunication engineers far outstrips the number of graduates that enter the market each year to fill these exciting and challenging roles.

UNSW Electrical Engineering and Telecommunications is offering a three day workshop (with 36 places in total) for talented Year 10 and Year 11 high school students who have a passion for problem solving, to partake in an introductory workshop on electrical and telecommunications engineering. If this sounds like you, join this workshop that will inspire you to become one of the future engineers that will solve the fascinating and challenging problems which stand before us. We aim to expose you to the vast array of advances that have been made in this area, which have ultimately improved our quality of life.

Outline of program:

<table>
<thead>
<tr>
<th>Wednesday (10 Oct)</th>
<th>9:30am – 3:30pm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Welcome and introduction to electrical engineering staff and students.</td>
<td></td>
</tr>
<tr>
<td>Introduction to electronics laboratories, including topics of voltage division, light-emitting-diodes and digital logic circuits</td>
<td></td>
</tr>
<tr>
<td>Build and design challenge I</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Thursday (11 Oct)</th>
<th>Morning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industry Visit (TBA)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Thursday (11 Oct)</th>
<th>Afternoon</th>
</tr>
</thead>
<tbody>
<tr>
<td>Workshop Competition</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Friday (12 Oct)</th>
<th>9.30am</th>
</tr>
</thead>
<tbody>
<tr>
<td>Build and design challenge II</td>
<td></td>
</tr>
<tr>
<td>Basics of trouble shooting</td>
<td></td>
</tr>
<tr>
<td>Brainstorming ideas and designs</td>
<td></td>
</tr>
<tr>
<td>Demonstrate and compare your designs</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Friday (12 Oct)</th>
<th>3.30pm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wrap-up</td>
<td></td>
</tr>
</tbody>
</table>

- If you are an interested Year 10 or Year 11 student, studying mathematics, complete the online application form: [www.ee.unsw.edu.au/tasteofee](http://www.ee.unsw.edu.au/tasteofee)
- The application form submission **deadline is 27th September 2018**. Acceptance will be confirmed by 1st October 2018
- The course costs $125, which includes lunches, the cost of electronic components/kit, which students can keep, and contributes towards the industry visit field trip. Submitting an application is free of charge.
- Questions can be directed to your high school careers advisor or emailed to [p.allen@unsw.edu.au](mailto:p.allen@unsw.edu.au).