Bachelor of Engineering (Honours) (Electrical and Aerospace)

<table>
<thead>
<tr>
<th>Year</th>
<th>2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUT code</td>
<td>EN01</td>
</tr>
<tr>
<td>QTAC code</td>
<td>412502</td>
</tr>
<tr>
<td>CRICOS</td>
<td>084921G</td>
</tr>
<tr>
<td>Duration</td>
<td>4 years full time</td>
</tr>
<tr>
<td>OP</td>
<td>12</td>
</tr>
<tr>
<td>Rank</td>
<td>75</td>
</tr>
<tr>
<td>Total credit points</td>
<td>384</td>
</tr>
<tr>
<td>Deferral</td>
<td>You can defer your offer and postpone the start of your course for one year.</td>
</tr>
<tr>
<td>Domestic fee (indicative, subject to annual review)</td>
<td>2021: CSP $9,800 per year full-time (96 credit points)</td>
</tr>
<tr>
<td></td>
<td>2020 CSP $9,600 per year full-time (96 credit points)</td>
</tr>
<tr>
<td>Offer Guarantee</td>
<td>Yes</td>
</tr>
<tr>
<td>Course contact</td>
<td><a href="mailto:askqut@qut.edu.au">askqut@qut.edu.au</a> 3138 2000</td>
</tr>
<tr>
<td>Campus</td>
<td>Gardens Point</td>
</tr>
<tr>
<td>Start months</td>
<td>July, February</td>
</tr>
</tbody>
</table>

**Why choose this course?**
You will learn about aerodynamics, aircraft control systems, avionics navigation and communications, and specialise in the design of electronic systems for aircraft and satellite systems using systems engineering methodology. We are a major player in national avionics research and we have strong partnerships with government and industry. You'll be involved in research projects such as fixed-wing UAV and rotorcraft, aerospace vision systems, aircraft control systems and autopilot design.

Field trips provide you with a first-hand view of aerospace avionics, plus you'll interact and engage with engineers and researchers at QUT's Australian Research Centre for Aerospace Automation.

Our engineering courses, whether a single or double degree, now include honours-level content integrated throughout the course. A bachelor honours degree is a higher-level qualification than a bachelor degree, and along with the advanced knowledge and skills, it will benefit you in your professional career or future research and study. The duration of the degree remains unchanged: a single engineering honours degree is a four-year program, and a double degree is five years.

**Expand your expertise**
Your study plan for this specialisation includes the choice of a second study area.

**Assumed knowledge**
Before you start this course we assume you have sound knowledge in these areas:
- English, or Literature, or English and Literature Extension, or English as an Additional Language (Units 3 & 4, C)
- Mathematical Methods (Units 3 & 4, C)

We assume that you have knowledge equivalent to four semesters at high school level (Years 11 and 12) with sound achievement (4, SA).

**Course structure**
To graduate with a Bachelor of Engineering (Honours), students are required to complete 384 credit points of course units, as outlined below:
- First year (96 credit points): four core units 48cp + one Maths option unit 12cp +

---

**Benjamin Letheren**

**Connections to industry**

‘QUT’s focus on real work connections prepared me to enter the aerospace industry. I worked on unmanned aerial vehicles (UAVs) as part of a Vacation Research Experience Scheme project and while undertaking work experience at the Australian Research Centre for Aerospace Automation. As a graduate I have joined Airbus one of the largest, international aerospace companies.’

---

Accurate as at 20/07/2020. For the latest information see: https://www.qut.edu.au/courses/bachelor-of-engineering-honours-electrical-and-aerospace
Bachelor of Engineering (Honours) (Electrical and Aerospace)

foundation strand options 36cp
(include two discipline foundation units 24cp + one option unit 12cp)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points)
- Complementary studies: one x second major or two x minor (96 credit points).

Honours units to consist of:
- Research methods 12cp
- Project 24cp
- 5 x advanced major units 60cp.

Professional recognition
All graduates are eligible for an Engineers Australia (EA) membership. EA is a signatory to the Washington Accord, which permits graduates to work in various countries across the world. This course is recognised internationally in the engineering profession, giving our graduates more career opportunities overseas.

Fees
HECS-HELP
You may be eligible for HECS-HELP, a loan scheme to help you pay your course fees, if you are an Australian citizen or hold an Australian permanent humanitarian visa. For other conditions read the HECS-HELP information.

Student Services and Amenities Fee
You'll need to pay the student services and amenities fee as part of your course costs. You may be eligible for SA-HELP, a loan scheme to help you pay your student services and amenities fee, if you are an Australian citizen or hold an Australian permanent humanitarian visa. For other conditions read the SA-HELP information.

Work Integrated Learning
Work Integrated Learning (WIL) is embedded in the curriculum and it is a core component for all engineering students. WIL allows you to graduate with a portfolio of professional skills that provides evidence of your professional competencies.

You are required to undertake 60 days of approved work experience in the engineering environment as part of your work integrated learning.