



# Qantas Engineering Winter Intern Program

## Qantas Engineering Winter School Intern

An unmatched opportunity for University Students, at Qantas.

### About Qantas

The Qantas Group sits at the heart of the fast moving, challenging and exciting aviation and travel sector. Today, 35,000 people work in Australia and overseas across our airline, freight, catering, ground service and loyalty arms, driving our success and maintaining our position as a world class organisation. As we engage our next generation, we continue to look for the passion and commitment that have always set the Qantas Group apart. In this uniquely dynamic environment, you're encouraged to embrace a challenge and build your experience every day.

Qantas proudly recognises the value and the dedication of its employees across the globe and is one of the largest employers in Australia. As such, Qantas is committed to the development of highly motivated undergraduate students.

### About the Program

This six month paid program provides students the opportunity to gain valuable skills and knowledge by contributing to real business projects within our large and complex organisation.

Throughout the time, students will:

- Be assigned to a business project and play an integral part in the achievement of desired outcomes.
- Participate in business unit studies to enhance overall corporate knowledge.
- Receive coaching and mentoring by senior business professionals who will expose them to a wide range of issues currently challenging the aviation and airline industry.

The 2017/2018 Qantas Engineering Winter School Program will run from Monday 24th July, 2017 until Thursday 25th January, 2018.

Please note this year's program will be based in Sydney and as such, successful candidates from interstate will be required to make their own accommodation arrangements; however, flights will be provided by Qantas at the beginning and end and for the Christmas/New Year break.

Gross Salary is pro rata \$37120.00 for the period of 24 weeks.

### About You:

You are in your third or fourth year of undergraduate studies or a Masters student in one of the following disciplines:

- Computer Science
  - Mathematics
  - Chemical Engineering
  - Bio-medical Engineering
  - Mechatronic Engineering
  - Aeronautical Engineering
  - Mechanical Engineering
  - Electrical Engineering
- You have achieved above credit average throughout the course of your studies.
  - You have strong programming capabilities in languages such as: Java, Python, HTML5, iOS mobile development or Matlab.
  - You have high analytical skills with the ability to solve complex problems by thinking laterally.
  - You are a highly motivated, energetic and ambitious individual.



### Some of the Projects

- Optimisation Aircraft Paint / Predictive Design Analytics - Applicant must have good coding skills in Python, Matlab with some experience in statistical analysis related to machine learning or big data analysis.
- Electrical Load Analysis Launch Tool Development – Applicant must have electrical engineering background with good coding skills in Java and/or HTML5.
- Design and Develop Aircraft Cabin Interior Audit Tool – Applicant must have some experience or familiar with Java and Web App Technology (e.g. HTML5).
- Design and Develop a Cabin Configuration App– Applicant must have some experience or familiar with Java and Web App Technology (e.g. HTML5).
- Aircraft Drag Estimation & Aero Cleanliness – Applicant must have strong Interest in Aerodynamics and Flight Mechanics.
- Aircraft Interior Seating Reconfiguration Optimisation A380 – Applicant must have strong Coding Skills in Java and/or HTML5.
- Predictive Maintenance using Machine Learning and Big Data – Applicant must have good coding skills in Python, Matlab with some experience in statistical analysis related to machine learning or big data analysis.

### **Applications close midnight Sunday 11th June 2017.**

You must attach an up-to-date CV, a letter of application, and a current results transcript.

For enquiries, please contact Russell Burgess, Senior Coordinator Apprentice and Intern Programs 02 9691 8801.

Be a part of something special – get in touch today.

To apply use the link below

- [https://qantas.wd3.myworkdayjobs.com/Qantas\\_Engineering/job/Mascot-Sydney/Qantas-Engineering-Winter-School-Intern\\_R36733](https://qantas.wd3.myworkdayjobs.com/Qantas_Engineering/job/Mascot-Sydney/Qantas-Engineering-Winter-School-Intern_R36733)