



FLIGHT ONE
SCHOOL OF ENGINEERING

25

ENGINEER TRAINING
PROSPECTUS





INDUSTRY-DESIGNED ENGINEER TRAINING.



FLIGHT ONE
SCHOOL OF ENGINEERING



Supported by
**Government
of South Australia**

Delivered in Brisbane and Adelaide, our Aeroskills engineering programmes are designed for people who like working with their hands in a high-skill environment.

Aircraft engineers enable global commerce, keeping aircraft safe, efficient & reliable.

A career in aircraft engineering can take you across the world, working on everything from light, training, recreation, and sport aircraft to large airliners, transporters, helicopters or private jets. The hand skills and theoretical knowledge our programme teaches has versatile applications and is therefore transferable to a range of industries - including automotive.

Apprentice or Class-based?

The path to work on aircraft as an engineer begins through one of two methods, either an apprenticeship working within an Approved Maintenance Organisation (AMO) or through classroom and workshop-based learning. Each has their own benefits and your choice will reflect your personal preferences, learning style and the opportunities you have available to you.

Regardless of the pathway you take - we'll walk you through the complexities of the qualification and licencing process from your first date, till the day you retire.



GROUP HEADQUARTERS

QANTAS AVENUE, ARCHERFIELD AIRPORT

A GROUP DEFINED BY AUSTRALIAN AVIATION.

Tisdall Aviation Group delivers full-stack aviation services, from training, to maintenance & overhaul, to charter and brokerage.

For more than a decade, the Tisdall Aviation Group has been servicing the Australian aviation industry as a safety-first, compliance-oriented operator and holder of multiple Civil Aviation Safety Authority (CASA) and Australian Skills Quality Authority (ASQA) approvals.

Headquartered at Brisbane's Archerfield Airport, the group's dynamic national folio of capabilities includes domestic and international pilot training, engineer training and licencing, a wide network of examination centres, aircraft maintenance operations, charter operations and FBO services.

With an underpinning philosophy of transparency and a clear focus on customer service, Tisdall Aviation Group is evolving as a significant, credible force in Australia's aviation industry.

Within our group you can expect to find people enthusiastically embracing the future of global aviation - guided by safety and driven by passion.

A R C H E R F I E L D T A G Y B A F
G O L D C O A S T T A G Y B C G
A D E L A I D E T A G Y P A D



AIRCRAFT ENGINEER TRAINING OPTIONS

HIGH SCHOOL AEROSKILLS PROGRAMME



Qualification

MEA20418 - Certificate II in Aeroskills



Duration

12 months



Contact & Load

1 day per school week, plus homework



Aviation Outcomes

This qualification provides foundational skills and does not have a licence outcome.



Locations

This is a VET in Schools programme and is delivered in school with scheduled visits to our engineer training workshops located at our Brisbane and Adelaide campuses.



Entry Criteria & Eligibility

Must be enrolled in year 11 or 12 in a participating high school at the time of commencement.

Note: Additional criteria apply, see website for details.

KICKSTART YOUR CAREER IN AIRCRAFT ENGINEERING, IN HIGH SCHOOL.

Designed by our expert engineering team, this program promises not just a solid foundation in engineering, but also the chance to explore the skies and discover the secrets of aircraft maintenance.

The Flight One School of Engineering Certificate II in Aeroskills High School Programme is specifically designed by our engineer training team to provide a solid introduction to the craft and culture of engineering, set within an authentic aviation context.

The skills and theory learned in the high school programme are highly valuable core skills not only in the aviation industry but across a broad range of disciplines.

Training in a highly regulated industry dedicated to safety, quality, workmanship and professionalism, our graduates leave the programme with pack-leading skills that are also transferable to the automotive, mining and manufacturing industries.

This qualification prepares students to work as a trade assistant, apprentice or trainee in aviation maintenance workshops where they would be expected to perform, under supervision, simple repair and overhaul tasks on a range of aircraft electrical, hydraulic, pneumatic, electro-hydraulic components, or make simple repairs on structural components. Our programme draws from trainers with more than 150 years of combined global experience, spanning the general, commercial, military, and academic facets of aviation.



GET
ALL THE
DETAILS &
APPLY

Training Activities

This provides students with a range of versatile, foundational skills. The course includes:

- basic engineering theory, workplace practice and occupational health and safety
- basic aviation theory and principles of flight
- practical workshops to learn about mechanical and electrical components, hydraulics, pneumatics
- using professional tools and equipment to undertake practical tasks
- electronics, frame assembly and simple fabrication, software and flight controller preparation, motor and body assembly

DELIVERY

One Day On Campus Each Week.

The Certificate II programme is conducted at our Adelaide & Brisbane training centres and / or in-school by teachers supported by our experienced aviation trainers over one school 1 year; 1 day per week (during school term). Delivery is blended: face to face in classroom and workshop + online. To ensure students are able to complete the programme, attendance is compulsory unless otherwise approved by the Head of Training.

PATHWAY

Priority to Certificate IV

In addition to potential work-related outcomes, the Certificate II in Aeroskills High School Programme is a natural precursor to our Certificate IV in Aeroskills.

Students undertaking the Certificate II will be granted priority entry into the Certificate IV in Aeroskills programme.

DOES IT COUNT?

Yes, it's a School Subject

It does. The High School Aeroskills programme has been specially designed to equate to about one school subject. In consultation with family and teachers, you can either use this VET programme to replace a school subject, or take this programme in addition to your current set of subjects. We can report your results toward your school subjects if you would like us to.



How do I know if I'm suitable to train to be an engineer?

It's not complicated: if you love working with your hands, building and fixing machines, and prefer hands-on learning, you will probably enjoy and be well suited to this exciting career.

FULL-TIME VOCATIONAL AEROSKILLS PROGRAMME



Qualification

MEA40718 Certificate IV in Aeroskills (Mechanical)



Duration

12 months full time



Contact & Load

4 days / week, plus homework



Aviation Outcomes

This qualification provides industry-ready employment skills and does not have a licence outcome.



Locations

This programme is delivered in our classrooms and engineer training workshop located at our Adelaide campus.



Entry Criteria & Eligibility

Must have completed year 12 (senior high school) at the time of commencement

Note: Additional criteria apply, see website for details.

FULL TIME PROGRAMME TO BECOME AN AIRCRAFT MAINTENANCE ENGINEER.

Designed by our expert engineering team, this program promises not just a solid foundation in engineering, but also the chance to explore the skies and discover the secrets of aircraft maintenance.

Aspiring aircraft enthusiasts seeking a thrilling career path, Flight One School of Engineering's Aeroskills VET qualification is your gateway to becoming a skilled aircraft maintenance engineer. This program offers hands-on experience in disassembling aircraft engines, rebuilding instruments, and mastering the essentials of flight.

Year 12 students can directly enter the Certificate IV program upon high school completion, with or without prior completion of the Certificate II in Aeroskills High School Programme. Flexibility is key, as applications are accepted throughout year 12, and conditional offers for the next year's course ensure a secure academic plan.

The Certificate IV in Aeroskills is your launchpad to a fulfilling career in aircraft engineering, with the choice to specialize in avionics or engineering. All training is conducted face to face at our Adelaide Airport campus workshop, right next to the bustling Tisdall Aviation Group aircraft engineering center, providing you with authentic, real-world knowledge and skills. This qualification also paves the way for future licensing through our engineer RPL service. For specific training options and locations, check our website or reach out to us for inquiries. Your journey to becoming a qualified Aircraft Engineer begins here.



GET
ALL THE
DETAILS &
APPLY

Should I do a degree instead?

The Certificate IV and Diploma in Aeroskills are the only qualifications for this career. University degrees are available at a higher academic level for aerospace science and engineering.





AIRCRAFT ENGINEER APPRENTICESHIPS

For those with an industry opportunity, an apprenticeship provides the perfect pathway to a formal Aeroskills qualification while you work.

AEROSKILLS APPRENTICESHIP



Location

Brisbane
TAGYBAF
Adelaide
TAGYPAD



What's Involved?

Once employed with an MRO, as an apprentice you select a training management company, and a Nominated Training Organisation (NTO).

We create a training plan that balances theory training (either online or via block release) with on-the-job practical training which you record in your logbook.



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GET STARTED, STRAIGHT AWAY.

Starting your engineering career as an apprentice means you start learning & earning straight away, right in the workshop.

Why start with an apprenticeship vs. classroom training?

With an apprenticeship, you're immediately immersed in industry, learning a full stack of skills through on-the-job training - from hand skills through to communication and record-keeping. Certain theory components need to be completed too - either online or via block-release (i.e. you may undertake a set of 2-3 weeks at a time at our campus, learning, for-example, mathematics and physics).

Why would I pick Flight One SoE as my SRTTO or Nominated Training Organisation?

Flight One School of Engineering offers employers flexibility in the training, delivery and assessment, making it easier for them to do resource planning - we make your employers life easy, which in-turn makes your learning journey smoother. Secondly, we are part of a large aviation group that includes three MRO facilities - we understand industry needs because we have them too; our training and our apprentice management is built with the experience we have accumulated through delivering thousands of apprentices to hundreds of businesses.

Apprenticeships are fully government funded in South Australia.

Currently, apprentices need to have a maintenance engineer workplace to apply for an apprenticeship.

Are you potentially interested in doing an apprenticeship? engineering.flightone.edu.au/apply →

Are you an employer who needs apprentices? engineering.flightone.edu.au/contact →

Want to hear from one of our apprentices?

Listen to the stories from two of our apprentices working at Pulse Aero in Adelaide:





Trusted by Industry.

Flight One School of Engineering is trusted to provide RPL and/or apprentice services to Australian airlines including Qantas, Virgin, Jetstar and Rex Regional Express, as well as some of the globe's biggest & most well-known aviation companies such as Boeing, TAE Aerospace and GE Aviation.

“ THE AVERAGE AGE OF A LICENSED AIRCRAFT ENGINEER AT QANTAS IS 55.

IT'S RARE TO WORK WITH ANYONE UNDER 30.

IN 10 YEARS' TIME MOST OF THOSE PEOPLE WILL BE RETIRED.

ALREADY [WE HAVE] FLIGHT DELAYS AS THERE ARE NOT ENOUGH ENGINEERS TO FIX THE PLANES - AND MORE ARE RETIRING EVERY DAY”

ABC News Online - Qantas Engineer Quoted

RECOGNITION OF PRIOR LEARNING (RPL)

Unlock your aviation potential with Flight One School of Engineering's expert Recognition of Prior Learning (RPL) service for working engineers. We understand that experience matters, and we're here to recognize and validate your existing skills and knowledge.

Whether you're seeking to remove exclusions or gain industry licencing, our RPL process is your key to unlock greater work opportunities. With our support, your journey towards CASA licensing becomes faster and more accessible than ever before. Trust Flight One School of Engineering to transform your experience into tangible career outcomes in the world of aviation.

Eligibility

To apply for RPL Services, you must already be employed by an Approved Maintenance Organisation and have sufficient practical experience, or access to practical experience to complete the desired units of competency. Please contact our RPL team for support: rpl@flightone.edu.au.

Apply Now, It's Free, & Easy.

Regardless of which course or service you are seeking, applying couldn't be simpler. Just complete our online application form select your desired training programme and location and upload the requested documents. One of our training team members will be in touch within a few days to provide feedback.



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