

AIRCRAFT ENGINEERING

DOMESTIC STUDENT GUIDE

MEA40618 - Certificate IV in Aeroskills (Avionics)
MEA40718 - Certificate IV in Aeroskills (Mechanical)

MEA50118 - Diploma of Aeroskills (Avionics)
MEA50219 - Diploma of Aeroskills (Mechanical)



FLIGHT ONE
ACADEMY



A PROUD MEMBER OF
TISDALL
AVIATION GROUP

WELCOME

Tisdall Aviation Group began with a vision to deliver outstanding service to the aviation community, driven by values of customer care, quality, and a dedication to safety.

With Flight One Academy, we are embarking on a journey to create Australia's leading aviation college, an institution which is singularly focused on delivering quality graduates to industry.

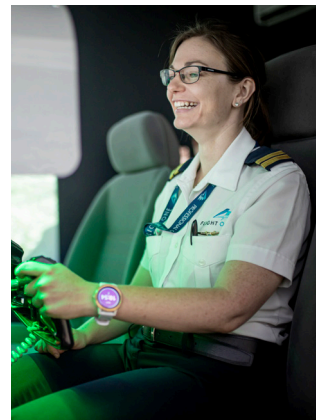
We fundamentally believe that simply having students pass the course is insufficient; we want our graduates to leave with cutting edge skills, relevant knowledge and practical experience, and exposure to live operations that enable them to head into the workforce with a passion for aviation, safety, and the culture of industry. We see our alumni as the custodians of best practice and the industry's pre-eminent human resource.

Our 24 month strategy will see our existing MRO and charter operations expand to incorporate a brand new campus and learning facility for our Aeroskills, Aviation and Aviation Medical qualifications. This, coupled with our incredible faculty team and resources, will enable students to thrive, flourish, and ignite a lifelong passion for aviation.

You can expect to find in us an organisation enthusiastically embracing the future of global aviation - guided by safety and driven by passion. I cannot wait to see you on campus.

Welcome to Flight One Academy,

Lucas Tisdal
Principal Executive Officer
MScTech MAvMgt FIML CEM



T I S D A L L
AVIATION GROUP



Flight One Academy is a Queensland-based Registered Training Organisation specialising in the delivery of quality aviation training.

Significant Experience

For over 10 years Flight One, based at Archerfield Airport in Brisbane, has serviced the Australian aviation industry as a well-regarded Civil Aviation Safety Authority (CASA) approved charter company and pilot training centre.

Our experienced aeronautical team is well placed to provide you with a seamless learning experience. Our core values reflect a desire to be client-focused, accountable, team-oriented and success-driven, or CATS for short. We are confident you will find in us a willing and supportive group of friendly team members.

Industry Integrated Training

Flight One Academy is a proud part of the Tisdall Aviation Group of companies. We have the unique capacity to introduce our trainees to a learning environment enriched by genuine integration with real industry operations.

Our Engineering students all gain valuable experience through direct contact with Flight Maintenance Australia and Pulse Aero - our Maintenance, Repair and Overhaul (MRO) operations. Similarly, our pilot trainees are immersed on a daily basis in our Charter operation, Flight One, supported by our FBO service, Contrails.

Experienced Trainers

Flight One Academy was created in response to increasing demand for delivery of high quality, nationally recognised aviation training. In 2019, we launched the Academy's engineering school, a high quality aircraft maintenance engineer training centre, giving us the unique capability to conduct both pilot and engineer training in one training centre.

CASA and ASQA Approved Training

Nationally recognized training meets strict quality assurance measures, and is recognized under the Australian Qualifications Framework. Flight One Academy is approved by the Australian Skills Quality Authority (ASQA) to deliver a range of formal qualifications that can support your career aspirations. Flight One Academy is also privileged to hold approval from the Australian Civil Aviation Safety Authority (CASA) to deliver both Aircraft Engineer and Commercial Pilot training.

VISIT OUR CAMPUS

Flight One Academy is based at Archerfield Airport, located just 20 minutes out of Brisbane's central business district.

224 Qantas Avenue, Archerfield Airport, QLD, 4108

E | enquiries@flightoneacademy.edu.au

P | 07 3123 7300



Engineering is one of the most fascinating, rewarding and engaging career paths, requiring skills crucial to enabling global commerce, and one that can take you across the world maintaining fleets for commercial, military and private operators.

Working on aircraft is for people who like problem-solving, working with their hands, and working in a disciplined team-driven environment. As a student and graduate, you will have the opportunity to disassemble aircraft engines, rebuild instruments, and fully grasp the fundamentals of flight.

For those people who are passionate and inspired by aircraft engineering, my academic team and I are prepared to dedicate ourselves to developing the theoretical and practical knowledge you require to become a quality candidate.

At Flight One Academy, we want to give our graduates the greatest potential to succeed in this dynamic industry, to get out and earn a living as a quality, safety-focused engineer.

I have dedicated my life to my passion for aircraft engineering and to training the next generation of engineers. I cannot wait to have you join us on campus, and start your career journey with us.

Welcome to Flight One Academy,

Andrew Barnes
Head of School
School of Engineering



THE AUTHENTIC QUEENSLANDER

Archerfield Airport Campus

Tisdall Aviation Group has been carrying out quality pilot training at Brisbane’s metropolitan airport, Archerfield, for over a decade. The airfield has a long history of aviation activity since its founding in the early 1900’s.

Once headquarters for numerous squadrons of British, American and Australian troops and pilots, Archerfield (YBAF) is a thriving commuter and training precinct in the city’s western corridor.

Flight One Academy’s campus accommodates a multi-modal learning environment, with access to resources permitting quality learning outcomes. Based at Archerfield airport alongside our wider Tisdall Aviation Group including MRO Flight Maintenance Australia, charter company Flight One and FBO, Contrails, our campus is authentically nestled within a full-stack, functioning aviation hub.

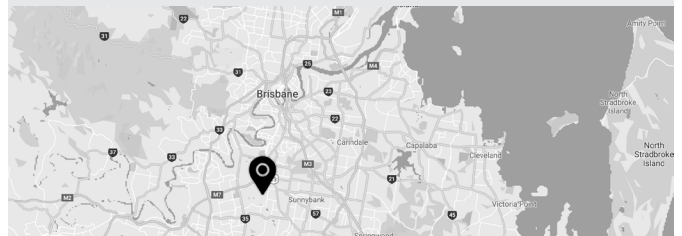
We are focused on providing a comprehensive training resource set. Our School of Engineering enjoys authentic aviation training equipment and access to live aircraft.

Our School of Aviation is equipped with an on-site flight simulator, skilled, customer oriented flight instructors and access to our extensive, modern multi- and single-engine aircraft fleet including Cirrus, Cessna, Beechcraft and Piper aircraft, largely maintained in-house by FMA.

This allows us to offer a uniquely practical training environment designed to provide graduates with hands-on experience and a diverse array of relevant skills.

METROPOLITAN AIRPORT

Archerfield Airport is located just 17 kilometres from the Brisbane CBD, accessible via regular bus and train services.



INTEGRATED OPERATIONS

Our group’s integrated operations at Archerfield provide our students with access to live maintenance, charter and FBO operations, offering a unique learning opportunity.



EXPLORE MORE

See what Queensland has to offer and explore Brisbane and SEQ’s magical destinations.

www.visitbrisbane.com.au

www.queensland.com



A Vibrant & Relaxed City.

Brisbane is a green city with an enviable subtropical climate and culturally diverse population. It is one of the fastest-growing cities in Australia and is known for its year round good weather, vibrant urban precincts, outdoor lifestyle and friendly locals.

Within one hour of Brisbane are world-class, and often Heritage-listed, national forest and marine parks. To the east is the pristine Moreton Bay Marine Park with some of the world's largest sand islands, endless beaches and amazing marine life. To the west in the Scenic Rim are numerous national parks with beautiful forests, lakes, valleys, rivers and waterfalls.

LIFESTYLE

South-east Queensland offers an unrivalled quality of life, driven by comfortable climate, affordable living, extensive public transport and a wealth of culture and entertainment.

CONVENIENCE

Brisbane is easy to get around with great public transport. The city is connected to the world with daily flights to Asia, America and the Middle East, and just a couple hours from Australia's most iconic destinations.



CENTRE OF CULTURE (AND COFFEE)

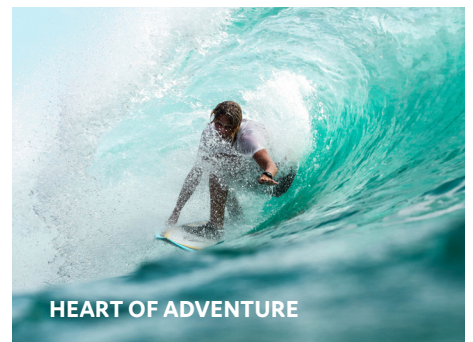
Brisbane food is forging its own culture, with dedicated eat streets and a new breed of smart-casual eateries. Melbourne may have its laneways, and Sydney will always play home to gastronomic heavy-hitters, but Brisbane's fast-evolving food culture has created a whole new style of dining. Smart food precincts combine snacking, socialising and sunshine, without conforming to a single genre.



UNBRIDLED WILDERNESS

Brisbane is surrounded by a bounty of natural beauty that is completely free to explore. From heritage-listed rainforests to sand islands and bushland – the scenery around Brisbane city is so diverse that no two adventures will ever be the same.

Whether you are looking to escape the concrete jungle for the weekend or discover somewhere new to horse-ride, fish, bushwalk or cycle, get back to nature at one of these national or state parks around Brisbane.



HEART OF ADVENTURE

The wealth of activities available nearby is unparalleled, from theme parks, to skydiving, to the great unrelenting plains to the west of the city. Located just 60 minutes from the iconic Sunshine or Gold Coasts, those looking to explore the surf or take in the beach lifestyle are also well catered for.

ENGINEER CAREERS START HERE.



MEA20418 - CERTIFICATE II IN AEROSKILLS	7
CERTIFICATE IV IN AEROSKILLS	8
DIPLOMA OF AEROSKILLS	9
AEROSKILLS UNIT MATRIX	14
APPLICATION & TERMS AND CONDITIONS	15

Flight One Academy strives to be a leader in the international aviation training industry, delivering quality graduates with leading skills.

Enabling Commerce

Maintenance engineers fix and service aircraft to ensure that commercial and private fleets stay safe in the skies around the world. Aviation enables modern commerce across industries such as transport and logistics, tourism, travel, and health and safety; each requiring reliable, safe aircraft.

Facilities & Training

Flight One Academy School of Engineering training facilities are co-located at Archerfield airport along side our aircraft repair facility, Flight Maintenance Australia.

Our training staff (including former civilian and military engineers, and a university physics professor) are aided by a host of relevant training aids and access to live maintenance operations and personnel.

HIGH DEMAND

By 2025, there will be an estimated 30% global workforce shortfall in aircraft maintenance capacity, with Australia and the Asia Pacific region particularly hard hit.

\$84 BN INDUSTRY

Global third party maintenance, repair and overhaul (MRO) has grown into a AUD 84.4 billion industry. Its cumulative annual growth rate (CAGR) is expected to be 4.1% over next 10 years, taking it past \$AU 100 billion around 2024.

TRAINING DEMAND

With the future of commercial and government aircraft and services increasingly being focused on technology and data services to drive smarter business decisions, and improve the commercial passenger experience, industry demands high-quality graduates with the latest theoretical and practical knowledge to drive growth. ⁴

\$3.1 TN

Boeing expects the support and services 10-year served market to be worth \$3.1 trillion between 2019 and 2028, growing at an average annual rate of 3.5 percent. ³

93,000

people are employed in Australia across the sub-sectors of domestic and international commercial aviation, general aviation, air freight and aviation support infrastructure. ²

10,900

people are employed across the Maintenance Repair & Overhaul (MRO) operations in Australia, with annualised revenue forecast to rise 2.7% in 2022/2023 due to fleet upgrade demand. ²

60MN

60 million passengers moved annually across Australia, coupled with more than 1 million tonnes of international air freight traffic. ¹



MEA20418 - Certificate II in Aeroskills

HIGH SCHOOL AEROSKILLS PROGRAMME

Fix Planes, Get Paid; That's what aircraft engineers do. Gain valuable hand-skills and knowledge relevant to a broad range of mechanical and avionics engineering career paths through Flight One Academy's high school programme.

About 'VET in Schools' Aeroskills

Flight One Academy's Certificate II in Aeroskills is a foundational STEM programme delivered one day per school week at our Archerfield campus. Open to students in Grade 10-12, graduates of this one-year programme will have the qualification and experience to work in junior roles in aircraft maintenance facilities.

Engineering Foundations

The skills and theory learned in the programme are highly valuable core skills not only in the aviation industry but across a broad range of disciplines. Students gain not only transferable hand-skills and workplace safety culture, but discover the basics of aviation, aircraft maintenance and aeronautical principles. Trained 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 an apprentice or trainee in aviation maintenance workshops where they would be expected to perform, under supervision, repair and overhaul tasks on a range of aircraft electrical, hydraulic, pneumatic, electro-hydraulic 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.

Pathways

Completion of this programme provides a priority pathway into Flight One Academy's Diploma of Aeroskills. This diploma programme is aligned with the Civil Aviation Safety Authority (CASA) Part 66 Syllabus, toward a career as an Aircraft Maintenance Engineer.

Graduates of Flight One Academy's unique-in-Australia double Diploma programme (combined Mechanical and Avionics majors) are more flexibly tasked within a workshop and as such, are more attractive to employers.

Real-world Experience

All training is conducted on real aircraft and training equipment supplied by aviation industry partners. Students will also have the opportunity to visit operational aviation industry facilities as part of the course. All safety and work equipment for the course is provided at the aviation workshop.

Tuition Fees: \$200 per school term
(and no loss of funding entitlement)



FACT FILE

COURSE CODE

MEA20418

DELIVERY

Duration: 12 Months, 1 day per week
Contact: Weekdays During School Term

LOCATION

Course is delivered at our Archerfield Airport campus in Brisbane.

COURSE COST

\$200 Per School Term
(No loss of entitlement)

UNITS

8 Core
5 Avionics Electives
6 Mechanical Electives

MODE

Face-to-face on campus

COMMENCEMENT

At the commencement of each Queensland school year.

ENTRY REQUIREMENTS

Grade 9 completion with pass in Maths and English.

*Exceptions considered on merit.

Certificate IV in Aeroskills is becoming the standard 'baseline' qualification to gain employment as an aircraft maintenance engineer in Australia and includes all the fundamental skills to safely work on aircraft.

What is Aircraft Engineering?

As a graduate engineer from Flight One Academy, you will have the knowledge and skills to start your career, with the option to gain qualifications across the mechanical and/or avionics aircraft engineering disciplines. The scope of work is incredibly diverse, working on everything from massive jets to private planes. Plus, you can work in almost any location - from the biggest cities, to the smallest outback towns.

With most commercial aircraft 'cycling' multiple times a day, the airframe, avionics, and mechanical components need to be inspected and maintained at regular intervals, with even the smallest components being tracked, checked, and repaired when necessary. When things don't go as planned, these engineers are tasked with troubleshooting complex issues across the fuel, hydraulic and propulsion systems, to help airlines keep to complex schedules.

Why Certificate IV?

Certificate IV in Aeroskills is regarded as the minimum level of qualification to gain work as an Aircraft Maintenance Engineer. Our custom-developed program is designed to provide all the skills and experience demanded by industry, including all the relevant practical skills.

Throughout the course, you will undertake learning across the fundamentals of maths and physics, the principles of flight, plus workshop and hand skills to enable maintenance of individual aircraft components.

Delivery

Flight One Academy offers industry driven, contemporary aircraft engineering programmes with integrated theory and practical training to ensure that students are job ready.

Our students enjoy the flexibility of being able to choose the Mechanical Stream, the Avionics Stream, or both.

Training is conducted at our Archerfield Airport workshop, which is equipped with professional aircraft engineering tools, a wide range of industry mechanical and electronic training aids and supplies, as well as access to real world aircraft and engines.

Mechanical Specialisation

You will predominantly carry out examinations, maintenance and repairs of the mechanical components of aircraft such as gas turbine, jet and piston engines, frames, hydraulic, pneumatic, fuel and other associated systems.

Avionics Specialisation

Avionics involves the maintenance and repairs of the electrical components of aircraft such as on board computers, radio, radar and GPS directional equipment.



FACT FILE

COURSE CODE

MEA40618 Certificate IV in Aeroskills (Avionics) \$4,800 single Cert IV
MEA40718 Certificate IV in Aeroskills (Mechanical) \$5,400 double Cert IV

DELIVERY

Duration: 12 Months, 4 - 5 days per week
Contact: Weekdays During School Term
Breaks: mid and end of each semester

LOCATION

Course is delivered at our
Archerfield Airport campus in Brisbane

COURSE COST

\$4,800 single Cert IV
\$5,400 double Cert IV

UNITS

12 Common Units +
14 Avionics Stream Units &/or
14 Mechanical Stream Units

MODE

Face-to-face on campus, blended

COMMENCEMENT

January, July
(see website for details)

ENTRY REQUIREMENTS

High School completion* with
pass in Maths and English

*Exceptions considered on merit.

Diploma of Aeroskills

YEAR TWO AIRCRAFT MAINTENANCE ENGINEER PROGRAMME

A Diploma of Aeroskills is the qualification required by the Australian Civil Aviation Safety Authority (CASA) for the pathway to a career as a Licenced Aircraft Maintenance Engineer.

The Diploma Year

Flight One Academy's engineering programme is designed as a two year programme, with the first year covering the Certificate IV of Aeroskills in its entirety, with either or both the Avionics and Mechanical stream. The Diploma Year builds on this foundational learning with more evolved and complex concepts of aircraft maintenance.

Across the Diploma Year, students will learn how to supervise maintenance activities, remove and install advanced aircraft components, and learn how to troubleshoot a wide range of complex aircraft systems.

Leveraging the wider Tisdall Aviation Group's MRO facilities, we have designed the course to provide students with the opportunity to benefit from engagement with our in-house live aircraft maintenance environment, providing every trainee the best possible learning experience.

CASA Licence Outcome

The School of Engineering Diploma Year is designed around the concept of licence readiness - providing each graduate with the CASA theory and associated examinations required for a licence outcome.

The course includes formal aeroskills theory training aligned to the knowledge requirements within the CASR Part 66 Modules, and assessments that are delivered under our special Part 147 CASA approval. When combined with our extensive practical training, this structure empowers our graduates and prepares them to seize career opportunities as they arise.

To be eligible to apply for a CASA Aircraft Engineer Licence, graduates must also meet CASA's stipulated employment experience requirements.

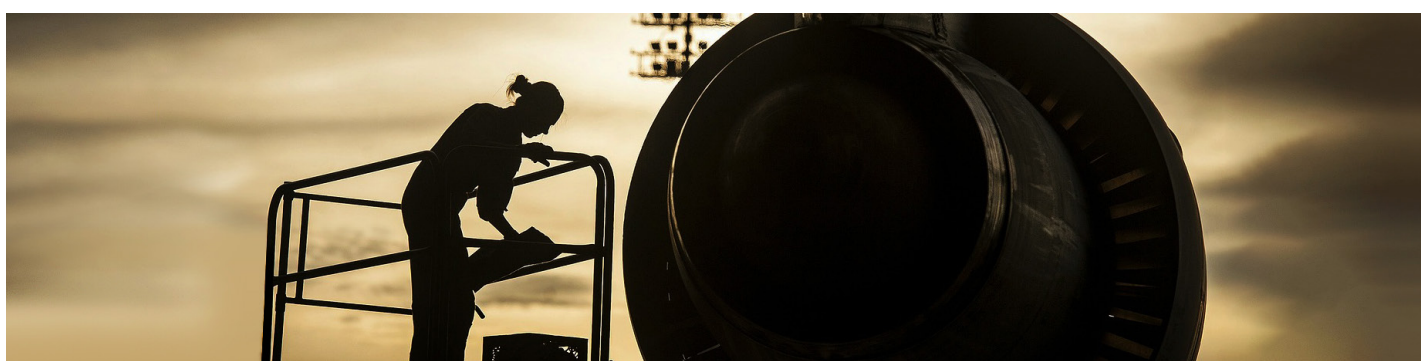
Double Diploma

Flight One Academy offers engineer students the option of simultaneously undertaking both the Avionics and Mechanical streams through our unique Double Diploma of Aeroskills which comprehensively delivers all theory training for the both the mechanical and the avionics streams.

The Double Diploma programme involves a challenging workload, so trainees will need to demonstrate perseverance and diligence. The rewards however are significant, as the extended qualification equates to greater employability.

Unique Two Year Programme

The Aeroskills programme at Flight One Academy has been carefully designed to provide students with the opportunity to optionally undertake all the theory and practical learning for a double specialisation (Avionics and Mechanical) in addition to meeting all the training requirements for a CASA Aircraft Engineer Licence outcome.



FACT FILE

COURSE CODE

MEA50118 Diploma of Aeroskills (Avionics)
MEA50219 Diploma of Aeroskills (Mechanical)

DELIVERY

Duration: 12 Months, 4 - 5 days per week
Contact: Weekdays During School Term
Breaks: mid and end of each semester

LOCATION

Course is delivered at our
Archerfield Airport campus in Brisbane

COURSE COST

\$6,200 single Diploma
\$7,400 double Diploma

UNITS

8 Common Units +
7 Avionics Stream Units &/or
16 Mechanical Stream Units

MODE

Face-to-face on campus, blended

COMMENCEMENT

January, July
(see website for details)

ENTRY REQUIREMENTS

Completion of the Flight One Academy
Certificate IV programme*

*Exceptions considered on merit.

AEROSKILLS FAQ

A CAREER IN AIRCRAFT MAINTENANCE.

CERTIFICATE IV VS DIPLOMA

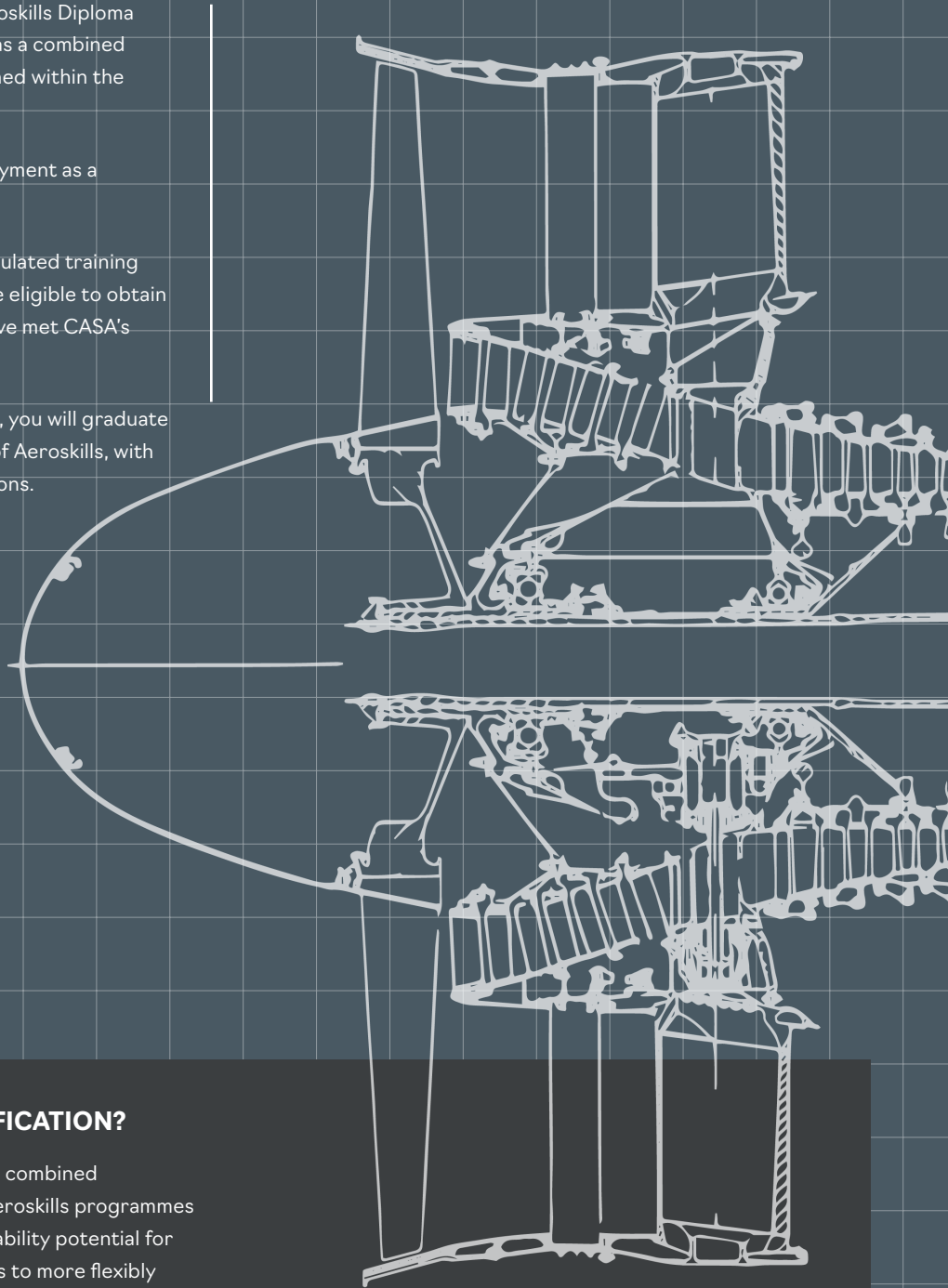
Flight One Academy has designed its Aeroskills Diploma programme to be optionally undertaken as a combined qualification, because all the units contained within the Certificate IV are part of the Diploma.

The Certificate IV leads directly to employment as a qualified Aircraft Engineer.

The Diploma, by incorporating CASA regulated training and assessments, fully prepares you to be eligible to obtain an Aircraft Engineer Licence once you have met CASA's stipulated periods of employment.

In undertaking the combined programme, you will graduate with both a Certificate IV and a Diploma of Aeroskills, with either or both of your chosen specialisations.

For diploma graduates, no further basic training or assessments required!



WHY A DOUBLE MAJOR QUALIFICATION?

Flight One Academy delivers the optional combined mechanical and avionics majors for the Aeroskills programmes because it provides the greatest employability potential for our graduates. This enables organisations to more flexibly task engineers based on the demands of the available work.

2 CERTIFICATES

12 MONTHS

2 DIPLOMAS

24 MONTHS

HOW DO I GET A JOB?

The aircraft maintenance engineer's (AME) community is tight-knit and well connected. In addition to positions being listed frequently through online job portals (e.g. Seek, Indeed), often positions are telegraphed through connections within the aviation community across Brisbane and Australia.

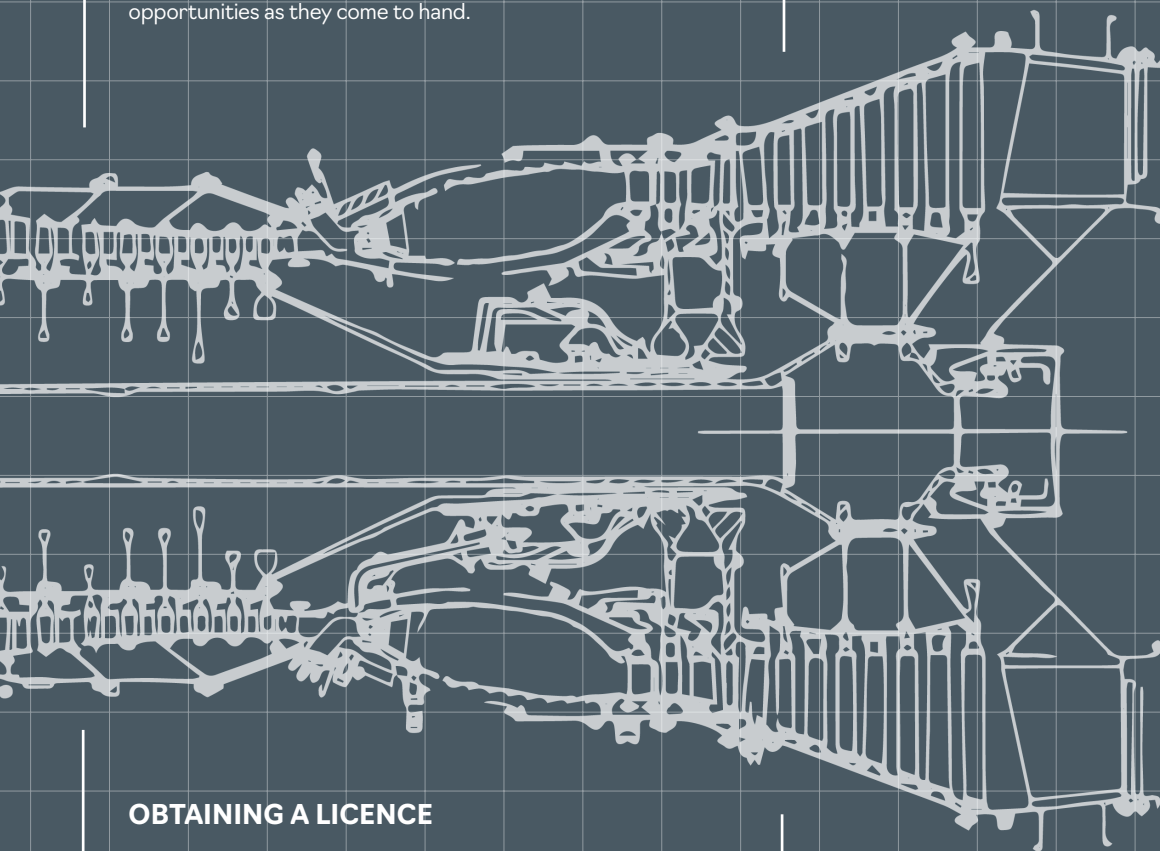
Flight One Academy, and MROs within the broader Tisdall Aviation Group - Flight Maintenance Australia and Pulse Aero, are active and collegial members of the Australian aviation maintenance community. Through our connections we present our students and graduates with upcoming entry level engineer opportunities as they come to hand.

UNDERSTANDING THE JOURNEY

Through our Aeroskills program, you will learn the theoretical components to all the ASQA units of competency, in addition to content contained in the CASA modules required to be eligible for a licence. This includes classroom theory training integrated with practical training in our workshop.

At the successful conclusion of each Aeroskills qualification, we provide you with an ASQA Graduation certificate and transcript of results and additionally, a CASA Part 66 Module transcript of results is also issued where relevant.

These documents provide your CASA approved academic credentials when seeking employment as an aircraft maintenance engineer in a maintenance facility.



OBTAINING A LICENCE

In order to become a fully CASA licensed aircraft maintenance engineer (LAME), you need to meet CASA's academic standards and stipulated periods of employment.

Flight One Academy's Aeroskills diploma qualification has been developed to comprehensively meet CASA's academic requirements in full - including all the prac requirements.

The required employment periods vary between licences but are generally in the range of 2 to 4 years of full time equivalent relevant experience. Once you have gained sufficient experience, Flight One Academy can then assist you to submit your licence application to CASA.

WHAT SALARY CAN I EXPECT?

Once you complete your studies, you will be able to start work in a junior position commanding a typical tertiary graduate salary of around \$40-60,000 per year.

Upon receiving a CASA licence as a LAME and with a number of years experience, salaries rise through \$100,000 per year, with senior aircraft engineers with major airlines commanding salaries of between \$130,000 and \$160,000 per year.



T I S D A L L AVIATION GROUP

SAFETY. CAPABILITY. PROVEN PERFORMANCE.

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

OUR GROUP



Training Tomorrow's Aviation Professionals

Flight One Academy was created in response to increasing demand for delivery of high quality, nationally recognised aviation training. In 2019, we launched the Academy's engineering school, a high quality aircraft maintenance engineer training centre, giving us the unique capability to conduct both pilot and engineer training in one training centre.

Engineering Excellence

Our aircraft engineering school delivers a unique aeroskills programme covering the full range of industry-demanded skills and qualifications, designed to craft graduates that have the skills and experience to provide value to busy maintenance operations. Training covers both theory and practical components and extensively leverages off integration with the wider Tisdall Aviation Group.



A U S T R A L I A N
W I N G S A C A D E M Y

Pathways to the Airlines

Australian Wings Academy is the sister company of Flight One, and supports full time commercial pilot aspirants to achieve their aviation goals. AWA has been operating from its Gold Coast campus for many years, making a desirable destination for both local and international students.

Now a part of the national Tisdall Aviation Group, Australian Wings Academy has the capacity to immerse its students in a broad spectrum of aeronautical experiences to produce motivated and well experienced aviation professionals.

Specialist Syllabus

The pilot training syllabus, unique to Australian Wings Academy, delivers realistic scenario-based training developed by industry specialists to provide a more authentic airline oriented learning experience.





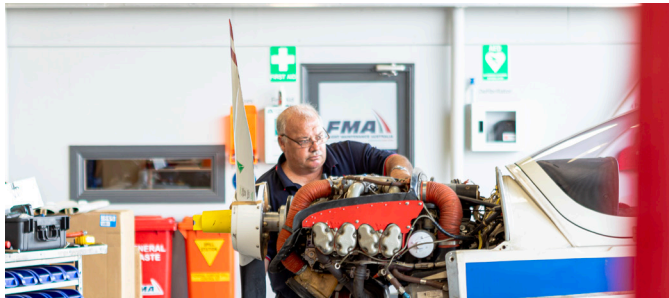
Excellence in Quality

Flight Maintenance Australia (FMA) is an experienced and client focused provider of maintenance, repair and overhaul services (MRO) based at Archerfield airport.

Essentially, FMA's goal is to deliver outstanding service to customers and aircraft, with an unwavering focus on safety and reliability. FMA's dedicated facilities and qualified staff have the capability to undertake a diverse range of aircraft maintenance, including airframe, avionics and inspection services.

Expanding Understanding

Working with the Academy, FMA offers a real-world opportunity for students to engage with a live maintenance operation, with our staff and crew of engineers delivering unique insight and valuable learning to graduates.



East-Coast Air Charter

Flight One, founded in 2009, is a long standing air charter and scenic flight company operating regular flights from Archerfield, Toowoomba and Chinchilla. With a diverse fleet and experience operating across Queensland and NSW, Flight One provides a comprehensive customised solution for small charter and tourism requirements.

Diverse Fleet

Working to provide clients with a range of capabilities in charter, tour and training, the fleet is a curated selection of the world's leading small aircraft. From the twin turbo-prop Beechcraft King Air to the powerful and tech-focussed Cirrus, our fundamental goal is to deliver unrivalled aviation services to south-east Queensland. Flight One's fleet is perfectly coupled with convenient lounge services, and a team of flight crews with more than 100 years combined experience.



Jet Maintenance Specialists

Pulse Aero is a Part 145 approved MRO with specialised services across turbo-prop and jet airframes. Pulse is also an approved dealer for a range of avionics solutions, with an end- to-end design, install and maintain capability.

Pulse clients include private owners, corporate operators and RPT airlines delivering services both nationally and internationally.

One Stop Shop

Our vision is to be the engineering provider of choice in the turbo propeller and light Jet market in South Australia and to seek opportunities and grow our business in providing field support throughout the region and to deliver the most cost effective and efficient outcomes for our customers. In doing so we will not compromise safety or quality of product.



Aero Hospitality & Services

Contrails provides comprehensive aviation and terminal services at Archerfield airport, with the aim of providing private and corporate aviators with quality day-to-day ground services they can rely on.

As a dedicated provider of 'Fixed Base Operator' (FBO) operations, Contrails offers end-to-end aviation concierge and facilitation services, including transport, corporate hospitality and catering, maintenance support and refuelling coordination, in addition to flight briefing, planning and weather information.

Maintenance & Engineering Support

Contrails also offers a dedicated fly-in MRO support in concert with FMA, to assist operators with repair and maintenance when away from home-base.



Aeroskills Unit Matrix

CODE	UNIT NAME	Certificate II Aeroskills	Certificate IV (Mechanical)	Certificate IV (Avionics)	Diploma (Mechanical)	Diploma (Avionics)
MSMENV272	Participate in environmentally sustainable work practices		•	•	•	•
MEA154	Apply work health and safety practices in aviation maintenance	•	•	•	•	•
MEA155	Plan and organise aviation maintenance work activities	•	•	•	•	•
MEA118	Conduct self in the aviation maintenance environment		•	•	•	•
MEA107	Interpret and use aviation maintenance industry manuals and specifications	•	•	•	•	•
MEA157	Complete aviation maintenance industry documentation	•	•	•	•	•
MEA156	Apply quality standards during aviation maintenance activities	•	•	•	•	•
MEA158	Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance	•	•	•	•	•
MEA148	Apply mathematics and physics in aviation maintenance		•	•	•	•
MEA201	Remove and install miscellaneous aircraft electrical hardware/components		•	•	•	•
MEA246	Fabricate and/or repair aircraft electrical hardware or parts		•	•	•	•
MEA296	Use electrical test equipment in aviation maintenance activities		•	•	•	•
MEA261	Use electronic test equipment			•		•
MEA202	Remove and install basic aircraft electrical system components			•		•
MEA204	Remove and install basic aircraft instrument system components			•		•
MEA206	Remove and install aircraft basic radio communication and navigation system components			•		•
MEA293	Remove and install aircraft electronic system components			•		•
MEA226	Inspect aircraft electronic systems and components			•		•
MEA229	Test and troubleshoot aircraft radio frequency navigation and communications systems and components			•		•
MEA208	Remove and install aircraft pressurisation control system components			•		•
MEA209	Remove and install aircraft oxygen system components			•		•
MEA225	Inspect fixed wing aircraft automatic flight control systems and components			•		•
MEA231	Inspect, test and troubleshoot rotary wing aircraft automatic flight control systems and components			•		•
MEA232	Test and troubleshoot aircraft pulse systems and components			•		•
MEA280	Inspect, test and troubleshoot flight management systems and components			•		•
MEA279	Inspect, test and troubleshoot full authority digital engine control systems			•		•
MEA398	Remove and install aircraft hydro-mechanical and landing gear system components		•		•	
MEA304	Remove and install non-pressurised aircraft structural and non-structural components		•		•	
MEA303	Remove and install aircraft pneumatic system components		•		•	
MEA305	Remove and install aircraft fixed wing flight control system components		•		•	
MEA339	Inspect, repair and maintain aircraft structures		•		•	
MEA318	Inspect aircraft hydro-mechanical, mechanical, gaseous and landing gear systems and components		•		•	
MEA328	Maintain and/or repair aircraft mechanical components or parts		•		•	
MEA362	Maintain aircraft vapour cycle air conditioning systems		•		•	
MEA306	Remove and install engines and engine system components		•		•	
MEA313	Inspect, test and troubleshoot piston engine systems and components		•		•	
MEA319	Inspect gas turbine engine systems and components		•		•	
MEA307	Remove and install propeller systems and components		•		•	
MEA308	Remove and install rotary wing rotor and flight control system components		•		•	
MEA366	Perform borescope inspections		•		•	
MEA301	Perform aircraft flight servicing		•	•	•	•
MSMENV472	Implement and monitor environmentally sustainable work practices				•	•
MEA111	Perform administrative processes to prepare for the certification of civil aircraft maintenance				•	•
MEA112	Plan and implement civil aircraft maintenance activities				•	•
MEA142	Manage self in the aviation maintenance environment				•	•
MEA113	Supervise civil aircraft maintenance activities and manage human resources in the workplace				•	•
MEA116	Apply work health and safety procedures at supervisor level in aviation maintenance				•	•
MEA203	Remove and install advanced aircraft electrical system components				•	•
MEA223	Inspect aircraft electrical systems and components				•	•
MEA224	Inspect aircraft instrument systems and components					•
MEA227	Test and troubleshoot aircraft electrical systems and components					•
MEA228	Test and troubleshoot aircraft instrument systems and components					•
MEA235	Perform advanced troubleshooting in aircraft avionic maintenance					•
MEA241	Perform aircraft weight and balance calculations as a result of modifications					•
MEA292	Remove and install advanced aircraft instrument system components					•
MEA230	Test and troubleshoot fixed wing aircraft automatic flight control systems and components					•
MEA219	Inspect, test and troubleshoot pressurisation control systems and components				•	
MEA222	Inspect, test and troubleshoot aircraft oxygen systems and components				•	
MEA294	Inspect, test and troubleshoot advanced aircraft electrical systems and components				•	
MEA309	Inspect, test and troubleshoot aircraft hydro-mechanical and landing gear systems and components				•	
MEA310	Inspect, test and troubleshoot aircraft pneumatic systems and components				•	
MEA312	Inspect, test and troubleshoot aircraft fixed wing flight control systems and components				•	
MEA315	Inspect, test and troubleshoot propeller systems and components				•	
MEA316	Inspect, test and troubleshoot rotary wing rotor and control systems and components				•	
MEA317	Remove and install pressurised aircraft structural and non-structural components				•	
MEA320	Test and troubleshoot aircraft hydro-mechanical, gaseous and landing gear systems and components				•	
MEA321	Test and troubleshoot aircraft fixed wing flight control systems and components				•	
MEA322	Test and troubleshoot gas turbine engine systems and components				•	
MEA323	Perform advanced troubleshooting in aircraft mechanical maintenance				•	
MEA325	Weigh aircraft and perform aircraft weight and balance calculations as a result of modifications				•	
MEA343	Remove and install avionic system components				•	
MEA365	Assess structural repair/modification requirements and evaluate structural repairs and modifications				•	
MEA117	Apply self in the aviation maintenance environment	•				
MEA238	Perform routine removal and installation of aircraft electrical hardware	•				
MEA239	Fabricate aircraft electrical looms and harnesses	•				
MEA330	Maintain aircraft non-primary structural removable components or parts and internal fittings	•				
MEA332	Maintain aircraft mechanical components or parts	•				
MEA333	Maintain aircraft piston engine components or parts	•				
MEA238	Perform routine removal and installation of miscellaneous aircraft electrical hardware/components	•				
MEA239	Fabricate aircraft electrical looms and harnesses	•				
MEA295	Use electrical test equipment to perform basic electrical tests	•				

*Provided for guidance purposes only. Units and grouping subject to change without notice.

Application & Terms and Conditions

Applying to Flight One Academy

The biggest challenge faced by individuals looking to train in aviation is understanding the process from enrolment to a lifelong career. There are multiple components to consider, from location, to duration, funding and practical training, in addition to professional licensing and apprenticeship. We are dedicated to and focused on training Australia's best aviation professionals. In doing that, our consultants will explain the complexity, help integrate any existing experience you may have, and ensure the experience at Flight One Academy is enjoyable.

At Flight One Academy, applying for a place in one of our courses is a simple online process, covering personal details, emergency contacts, identification and evidence of your existing education. Flight One Academy is an institution dedicated to education and we have taken every effort to make your aviation training affordable, flexible and convenient for the entirety of your time with the school.

Assessment information

Assessments for this programme are conducted and invigilated in accordance with the requirements of the Civil Aviation Safety Authority (CASA) and The Australian Skills Quality Authority (ASQA). Assessments may include, but are not limited to, multiple choice, short answer, short essays, group work under observation and practical assignments.

Application Process

If you have read the course information and you are eligible to join one of our courses, applying is easy and there is no application fee.

You will need to prepare some supporting documents and lodge your application through our online application form located on our website.

Once we have your application, our admissions team assess your application to ensure that you are suitably equipped to deal with your chosen course.

Successful applicants receive a Letter of Offer detailing the training plan, associated costs, terms and conditions for your consideration. Finalising your enrolment is then simply a matter of accepting your offer and paying the fees associated with your initial study period.

Required Documentation

You will need to prepare and upload some basic documents in support of your application. These may include:

- One form of ID such as Licence
- Your last 2 semesters of academic results or graduation certificate and results from high school
- Any other academic results you deem relevant

Entry Requirements - Certificate II in Aeroskills

- Australian or Australian-equivalent high school year 9 completion with average or above results
- Passes in Maths and English in previous 2 semesters
- (Physics preferred but not a requirement)
- A strong interest in machines, electronics systems and processes
- Well organised and self disciplined

Note: Students who have commenced year 2 are not eligible to apply for the Certificate II in Aeroskills but are welcome to apply for the Certificate IV full time programme in the following year.

Entry Requirements - Certificate IV in Aeroskills

- Australian or Australian-equivalent high school year 12 completion with average or above results
- Passes in Maths and English
- (Physics preferred but not a requirement)
- A strong interest in machines, electronics systems and processes
- Well organised and self disciplined

Entry Requirements - Diploma of Aeroskills

- Australian or Australian-equivalent high school year 12 completion with average or above results
- Completion of Flight One Academy Certificate IV in Aeroskills or equivalent qualification delivered under a valid CASA Part 147 approval within the previous 10 years
- A strong interest in machines, electronics systems and processes
- Well organised and self disciplined

Lodge Your Application

If you have read the course information and you are eligible to join this course, applying is easy and there is no application fee.

Our simple online application form is located here: www.flightoneacademy.edu.au.

We recommend that you prepare your documents beforehand as the form will request that you upload them.

If you require any assistance during your application process, please don't hesitate to contact us via the online enquiry form.

Alternatively, you can contact our student support team by emailing enquiries@flightoneacademy.edu.au.

Fix Planes. **Get Paid.**

RECOGNITION OF PRIOR LEARNING

Flight One Academy operates a comprehensive Aeroskills Recognition of Prior Learning (RPL) service for individuals in industry who have either the existing experience, partial qualification, or superseded qualifications, and are looking to receive the latest industry qualifications and subsequent licensing. While we work to process your RPL, any units we believe will not be covered can be undertaken on campus or online to ensure convenience to both trainee and employer.

NEED MORE HELP? CONTACT US.



ENQUIRIES@FLIGHTONEACADEMY.EDU.AU

Our customer service team has years of experience across all spectrum of aviation training and is on standby to help you. To learn more about our training centre, courses, outcomes and academic paths, jump on our website or get in touch by email or phone. Also, we love having visitors, so feel free to ask for a campus visit appointment any time, to see our facilities and meet with an instructor face to face.

©2020 Cortex Learning Pty Ltd trading as Flight One Academy RTO 45165 | CASA Part 147.0048 | 224 Qantas Avenue Archerfield QLD 4108 | www.flightoneacademy.edu.au



T I S D A L L
AVIATION GROUP