

# HIGHSCHOOL AEROSKILLS

AIRCRAFT ENGINEERING PATHWAY GUIDE FOR GRADE 10 TO 12 STUDENTS

MEA20418 - Certificate II in Aeroskills  
Aeroskills VET Pathways



FLIGHT ONE  
ACADEMY



A PROUD MEMBER OF  
TISDALL  
AVIATION GROUP

# IGNITE YOUR AEROSKILLS CAREER

## Dedicated to Aviation

For over 10 years, Flight One has serviced the Australian aviation industry as a well-regarded Civil Aviation Safety Authority (CASA) approved charter company and pilot training centre. 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 School of Engineering, a high quality aircraft maintenance engineer training centre, giving us the unique capability to conduct both pilot and engineer training in one training centre.

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

It is with great pleasure that the Academy is now able to offer High School students a genuine industry-based introduction to the aviation engineering fraternity through our Certificate II in Aeroskills High School Programme.

## ASQA Approved Nationally Recognised Training (NRT)

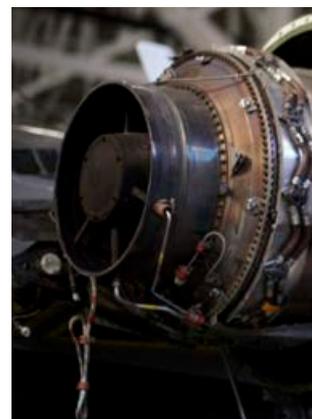
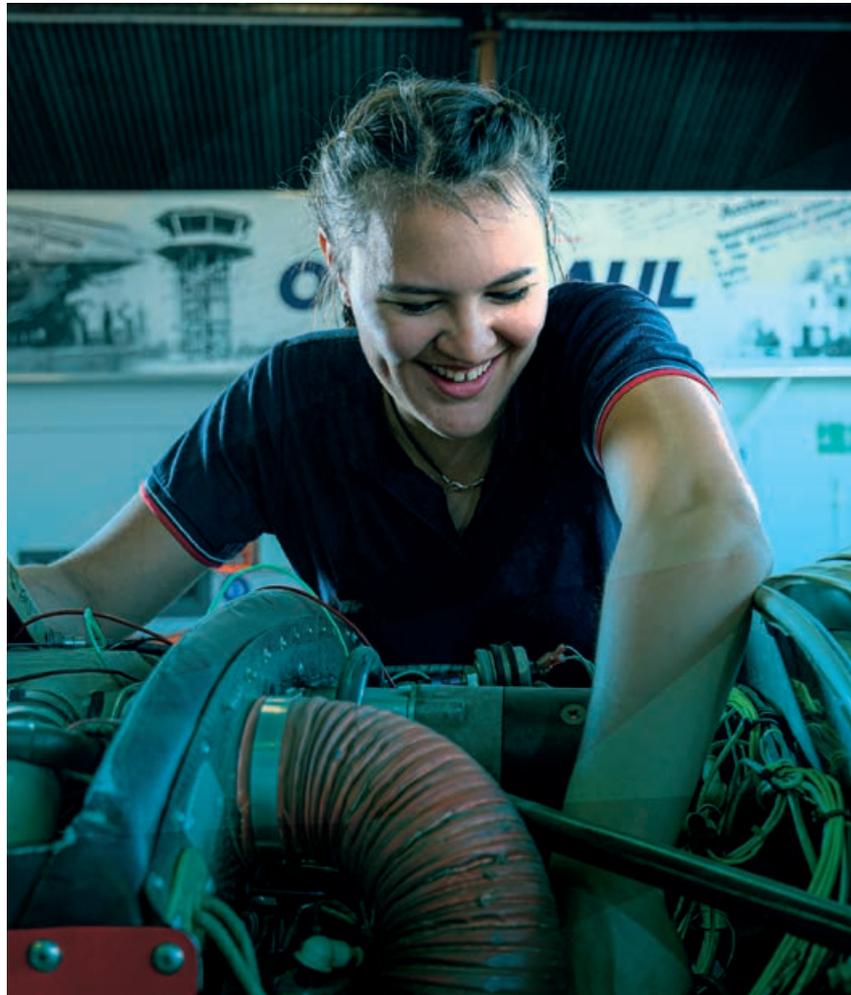
Nationally recognized training (NRT) meets strict quality assurance measures and is recognised under the Australian Qualifications Framework (AQF). Flight One Academy is approved by the Civil Aviation Safety Authority (CASA) and the Australian Skills Quality Authority (ASQA) to deliver a suite of formal qualifications that support aviation career aspirations.

Our Certificate II in Aeroskills is able to function as both a school subject and as a formal pathway to higher vocational qualifications such as our Certificate IV and Diploma of Aeroskills programmes.

## STEM VET in Schools

As advances in technology continue to change the way students learn and communicate, and traditional jobs give way to automation, science, technology, engineering and maths are increasingly required in order to compete in a shrinking employment environment.

Flight One Academy's Certificate II in Aeroskills is a foundational STEM programme that provides young learners with a greater understanding of the principles and technologies of engineering in the aviation context. Students can expect to gain key STEM skills such as problem solving, creativity, critical analysis, teamwork, independent thinking, initiative, communication skills and digital literacy as well as a range of practical hand skills.



Alan Finkel, Australia's Chief Scientist, in Australia's STEM Workforce Report said: "... How might technologies we can't imagine now be part of our daily experience tomorrow? ... When I look to that future I see a world of opportunity for Australians with STEM training."

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

### **Aircraft Engineering**

Aircraft engineering is ideally suited to people who like building things with their hands and understanding how things work. It can be 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.

Aircraft Maintenance Engineers carry out the important process of repairing, maintaining and releasing aircraft to fly safely. Flight One Academy's Cert II High School programme provides students with an introduction to aviation workplace knowledge, practical handskills and both the main engineering specialisations - mechanical and avionics.

### **Avionics Specialisation**

Avionics Aircraft Maintenance Engineers carry out examinations, maintenance and repairs of the electrical components of aircraft such as on-board computers, radio, radar and GPS directional equipment.

### **Mechanical Specialisation**

Mechanical Aircraft Maintenance Engineers 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.



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

## **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](mailto:enquiries@flightoneacademy.edu.au)

P | 07 3123 7300

# OPTIONS FOR STUDENTS COMMENCING YEARS 10, 11, & 12



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Flight One Academy strives to be a leader in the aviation training industry, and that begins with our High School Programme.

## Engineering Foundations

The Flight One Academy 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.

Students gain not only transferable hand-skills and workplace safety culture, but discover the basics of aviation, aircraft maintenance and aeronautical principles. 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.

## 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. <sup>4</sup>

### \$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.<sup>3</sup>

### 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.<sup>2</sup>

### 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.<sup>2</sup>

### 60MN

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



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 prepares students to work as an aeroskills labourer, 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.

### Practical Training

Practical 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 applicable aviation workshop personal protective equipment is provided as required to maximise the safety of our engineering students during their visits to our Archerfield campus.

### Pathway to Further Study

In addition to potential work related outcomes, the Certificate II in Aeroskills High School Programme articulates into our Aircraft Maintenance Engineer qualifying programmes at Certificate IV and Diploma Level. Students undertaking the Certificate II will be granted priority entry into the Cert IV / Diploma programme. High performing students, upon trainer recommendation, will automatically receive an offer of a place in our Flight One Academy Certificate IV in Aeroskills programme.

### Delivery Mode

The Certificate II programme is conducted at our Archerfield Airport training centre 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.

### Training Activities

The Certificate II in Aeroskills High School programme 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, flight testing

A full unit list can be found on Page 10.

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



#### 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  
3 Avionics Electives  
3 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.

# OPTIONS FOR STUDENTS CURRENTLY IN YEAR 12.



## Certificate IV Aeroskills Programme

### YEAR ONE AIRCRAFT MAINTENANCE ENGINEER PROGRAMME



The 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.

#### High-school to Industry

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 of a Flight One Academy Aeroskills VET qualification, you will have the opportunity to disassemble aircraft engines, rebuild instruments, and fully grasp the fundamentals of flight. For young learners who are passionate and inspired by aircraft engineering, we are prepared to dedicate ourselves to developing the theoretical and practical knowledge you require to become a quality aircraft maintenance engineer.

Students who have already commenced Year 12 are eligible to apply for direct entry into the Academy's Certificate IV programme, upon high school completion. Whilst it is desirable and advantageous to have taken our Certificate II in Aeroskills High School Programme, it is not a condition of entry. Applications can be received any time throughout year 12 and offers for a place in next year's course can be issued conditional upon successful high school completion. That way you know you have a secure academic plan to work toward.

#### Certificate IV / Diploma Programme

Our Aeroskills Certificate IV and Diploma programmes provide trainees with full spectrum, authentic aircraft engineer knowledge, skills and practical experience. All training is delivered face to face at our Archerfield Airport campus workshop alongside our busy Tisdall Aviation Group aircraft engineering centres.

The Certificate IV in Aeroskills 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 in the future, once you have met CASA's stipulated periods of employment.

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

#### Aeroskills Double Major

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. Students choosing to undertake the double major programme should expect a challenging study workload but the rewards are significant, as the extended qualification equates to greater employability.

In-depth information about our Certificate IV and Diploma of Aeroskills programmes is available on our website: [www.flightoneacademy.edu.au](http://www.flightoneacademy.edu.au).

#### 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

##### 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 Year Programme

## 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.



# OUR CAMPUS

## 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 today 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 MROs Flight Maintenance Australia and Pulse Aero, charter company, Flight One and FBO, Contrails, our campus is authentically nestled within a full-stack, functioning aviation hub.

The Airport precinct and training facilities are conveniently accessible by public transport and there is ample parking for our young learners who are already driving.

## Facilities & Training

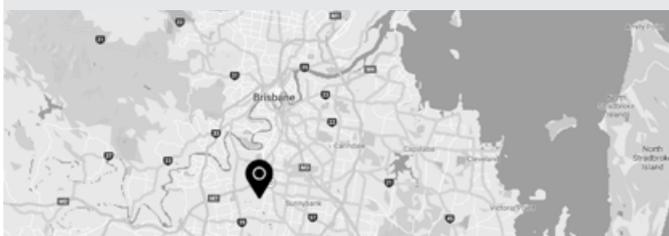
We are focused on providing a comprehensive training resource set. Our School of Engineering enjoys authentic aviation training equipment and access to live aircraft and aviation operations.

Our School of Engineering is equipped with an operational aircraft as well as several aircraft engines and components. Students can expect to learn how to safely and correctly use a broad range of authentic tools and equipment. The School of Engineering sits along side other group operations. This allows us to offer a uniquely practical training environment designed to provide graduates with hands-on experience, a diverse array of relevant skills and a genuine understanding of aviation culture.

Our training staff (including former civilian and military engineers, and a university physics professor) have a genuine passion for sharing their wealth of knowledge and actively encouraging young learners to enthusiastically engage with the aviation industry and culture.

## 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.





## Frequently Asked Questions

### Why choose Flight One Academy?

Flight One Academy has the distinction of being Australia's only industry-owned full-scope registered training organisation for the Aeroskills package. This sets us apart as we bring students on an authentic journey into the world and culture of aircraft engineering, within our own aviation family.

### Does it count as 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.

### Can I join in the middle of the year?

No. To avoid disruption to school schedules, the programme only commences at the beginning of each year. If you are in Year 12 and missed out, please consider applying for our Certificate IV in Aeroskills for school graduates.

### Do I physically come to Archerfield Airport?

Yes. One day per week during term, you will come to our Archerfield Airport campus workshop for the day (9-3 approx) instead of going to school.

### Is there public transport?

Yes. There is good public transport to Archerfield Airport (Beatty Rd) with regular scheduled buses stopping in close proximity to our training facilities.

### Do I need to know anything about aviation or engineering?

No. This course is specially designed for complete beginners. Whilst it is helpful if you gained a bit of mechanical experience, or studied physics, it is not essential.

### Can I use the Cert II qualification to apply for a job?

Technically yes. The Cert II in Aeroskills is Nationally Recognised Training so it would stand you in good stead applying for an entry level job working in an aircraft maintenance operation compared to someone with no training. It doesn't qualify you as an Aircraft Engineer (you need the Certificate IV for that) but it qualifies you as an aeroskills labourer, trainee or apprentice.

## NEED MORE HELP? CONTACT US .

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.



ENQUIRIES@FLIGHTONEACADEMY.EDU.AU

# Aeroskills Unit Matrix

CODE	UNIT NAME	High School Certificate II	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.

## 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 12 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](http://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](mailto: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](mailto: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.

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