

Sample Course Product Description

Training Product	Subsidised Diploma of Aeroskills for Apprentices MEA50219 Diploma of Aeroskills (Mechanical)
Intro	<p>Flight One School of Engineering offers a Diploma of Aeroskills programme for South Australian Apprentices. Delivered at purpose-built facilities at Adelaide Airport, this course provides a strong foundation in aviation engineering, covering all Mechanical aspects of Aircraft maintenance. Through practical training and theoretical learning, students develop essential hand skills, workplace safety awareness, and an understanding of aircraft maintenance principles.</p> <p>This course is only available to apprentices employed under a training contract in South Australia. Participant Eligibility Criteria apply. Visit www.skills.sa.gov.au for Participant Eligibility Criteria.</p>
Who is this Course Suitable for?	This course is only available to apprentices employed under a training contract in South Australia.
Overview	<p>Aeroskills Apprenticeship MEA50219</p> <p>The Flight One Diploma in Aeroskills is delivered to apprentices throughout South Australia under a training contract and is subsidised by Skills SA</p> <p>The course is designed to run over 4 years and cover all aspects of inspecting, repairing and maintaining all Mechanical aspects of general, commercial and defence sectors.</p> <p>Aeroskills Diploma can be tailored to suit the specific outcome requirements of the Apprentice and Employer. This can be Fixed or Rotary wing of different designs and level Mechanical systems and complexity.</p> <p>Apprentices will graduate with a Diploma, giving them a recognised trade qualification in Aircraft Maintenance Engineering</p> <p>What Will I Learn?</p> <ul style="list-style-type: none"> • Fundamentals of aircraft maintenance and repair • Safe use of precision hand tools and workshop equipment • Workplace safety and aviation industry standards • Mechanical systems including basic structural and avionics repairs and maintenance • Understanding of aircraft components and their functions • Practical experience in a real aviation training environment
Class Times	<p>Class Times:</p> <ul style="list-style-type: none"> • Class is available online and can be started and finished at anytime • Classes for the CASA Modules are also available upon request and the schedule is released at the beginning of each year <p>Location:</p> <p>Flight One School of Engineering 17 James Schofield Drive Adelaide Airport SA 5950</p> <p>Campus Maps:</p> <ul style="list-style-type: none"> • Open in Google Maps >>

	<ul style="list-style-type: none"> • Download PDF Map >>
Inclusions	<p>The Diploma of Aeroskills:</p> <ul style="list-style-type: none"> • 11 Diploma Core Units • 17 Common core Units • B1.1 - 13/15 Elective units depending on the outcome required • B1.2 – 13 Elective units • B1.3 – 8 Elective units • B1.4 – 7 Elective units • https://training.gov.au/training/details/MEA50219/qualdetails • All training must conform to the packaging rules outlined at training.gov
Entry Criteria	<p>General Requirements</p> <p>Following are the general entry requirements for the Diploma of Aeroskills in South Australia.</p> <ul style="list-style-type: none"> • Employed under a Training Contract in South Australia • Pass S.A. Government required LLN assessment and; • Eligible for a training account • Other terms and conditions may apply <p>Visa Requirements for Non-Australian Citizens</p> <p>In accordance with South Australian funding regulations, only holders of the following visas <u>are eligible for subsidised training</u>:</p> <ul style="list-style-type: none"> • All permanent residency visa holders • Skilled – Work Regional (subclass 491) • Skilled – Regional (Provisional) Visa (subclass 489) • Skilled Employer Sponsored Regional (subclass 494) • Business Innovation and Investment (Provisional) Visa, subclass 188 • Safe Haven Enterprise Visa (SHEV), subclass 790 • Bridging Visa A, subclass 010* • Bridging Visa E (BE), subclass 050 and 051* • Temporary Protection Visa (TPV), subclass 785* • Bridging Visa B (BVB), subclass 020* • Bridging Visa F (BVF), subclass 060* • Partner Visa (Temporary), subclass 820 and 309 • Temporary Humanitarian Stay visa (subclass 449) • Temporary Humanitarian Concern (THC) visa (subclass 786) <p>*Individuals on bridging visas are only eligible where they are waiting on the outcome of an application for a permanent visa or one of the temporary visas listed above.</p> <p>Visa holders with the following repealed provisional visas are also eligible for subsidised training:</p> <ul style="list-style-type: none"> • Skilled – Regional (Provisional) Visa (subclass 489) • Skilled – Regional Sponsored Visa (subclass 475) • Skilled – Regional Sponsored Visa (subclass 487) • Skilled Independent – Regional (Provisional) Visa (subclass 495) • Senior Executive (Provisional) Visa (subclass 161) • Investor (Provisional) Visa (subclass 162) • State/Territory Sponsored Business Owner (Provisional) Visa, subclass 163

	<ul style="list-style-type: none"> • State/Territory Sponsored Senior Executive (Provisional) Visa, subclass 164 • State/Territory Sponsored Investor (Provisional) Visa, subclass 165 <p>SA Funding Participant Eligibility Criteria</p> <p>All Participants must:</p> <ul style="list-style-type: none"> • reside or work in South Australia; <p>and</p> <ul style="list-style-type: none"> • be an Australian or New Zealand citizen; or • be a permanent Australian resident; or • hold a State sponsored visa on a pathway to permanent residency; or • hold a humanitarian temporary visa of a class specified by the Minister from time to time; <p>and are</p> <ul style="list-style-type: none"> • not enrolled in school, and aged 16 years or over; or • enrolled in school, and in Year 10 or above, and undertaking training as an apprentice or trainee through a Training Contract; or • in Year 11 or above, aged 16 years or over or turning 16 in the current year of enrolment, undertaking fulltime SACE or equivalent, and undertaking training through identified subsidised arrangements (such as VET for School Students), after having completed a relevant preparatory VET Pathway. <p>Conditions For conditions associated with funded activities, download our SA Funded Training Access Policy.</p>
Tuition Fees	<p>Diploma of Aeroskills MEA50219</p> <p>The fee below assumes the student qualifies for subsidised training in SA</p> <p>The Diploma of Aeroskills has a nominal student co-contribution of \$4400.00 this figure is due to the qualification being subsidised.</p>
Units of Competency	<p>Dependant upon the stream being sought and must be compliant with packaging rules at then link below:</p> <p>https://training.gov.au/training/details/MEA50219/qualdetails</p>
How to Enrol	<p>How to Enrol in This Course</p> <p>First, talk with your employer to decide what pathway you wish to pursue.</p> <p>Employer sends EOI to commence the UAN process.</p> <p>Up front assessment of needs process commences (UAN), upon success completion of the process, the course will commence.</p>

MEA50219 Diploma of Aeroskills (Mechanical)

Modification History

Release 2. Qualification description updated. Supersedes and equivalent to MEA50219 Diploma of Aeroskills (Mechanical) (Release 1).

Release 1. MEA50219 Diploma of Aeroskills (Mechanical) supersedes and is not equivalent to MEA50218 Diploma of Aeroskills (Mechanical) Release 1.

Non-equivalent qualification due to addition of two elective unit groups to meet the requirements of Civil Aviation Safety Authority (CASA) licence subcategories B1.2 and B1.4.

Qualification Description

The qualification applies to individuals seeking the grant of a Civil Aviation Safety Authority (CASA) B1 Aircraft Maintenance Engineer Licence covering the supervision, performance and certification of airframe, engine, electrical and structural maintenance on aircraft that are type-rated by CASA for maintenance purposes.

The qualification satisfies CASA requirements under Civil Aviation Safety Regulations (CASR) 1998, for the grant of Aircraft Maintenance Engineer Licences in sub-categories B1.1, B1.2, B1.3 and B1.4 when the knowledge and skills requirements align with CASA syllabus requirements in the Companion Volume Implementation Guide Interface with CASA, and training has been delivered in accordance with the requirements of CASR Part 147.

Credits are also provided towards the MEA50422 Diploma of Aviation Maintenance Management and the MEA60222 Advanced Diploma of Aviation Maintenance Management.

Entry Requirements

Not applicable

Packaging Rules

To be awarded the MEA50219 Diploma of Aeroskills (Mechanical) competency must be demonstrated in 35 to 43 units, chosen as described below.

All B1 Licence sub-categories require the following 28 units:

- 11 core Diploma level (CASA licensing) common, technical stream and imported units
- 17 core Certificate IV common and technical stream units.

Depending on the CASA B1 Licence sub-category being sought, an additional 7 to 15 units are required. All units must be chosen as specified under the conditions set out below:

Group A Elective technical stream units required by CASA for a B1.1 Licence – **13 or 15** units

Group B Elective technical stream units required by CASA for a B1.2 licence - **13** units.

Group C Elective technical stream units required by CASA for a B1.3 Licence - **8** units.

Group D Elective technical stream units required by CASA for a B1.4 licence - **7** units.

Core units of competency

Complete the **11** Diploma level common and mechanical technical stream units listed below.

Unit code	Unit title	Prerequisites
MEA111	Perform administrative processes to prepare for the certification of civil aircraft maintenance	All Cert IV units listed below for applicable licence (see Note 1)
MEA112	Plan and implement civil aircraft maintenance activities	All Cert IV units listed below for applicable licence (see Note 1)
MEA113	Supervise civil aircraft maintenance activities and manage human resources in the workplace	All Cert IV units listed below for applicable licence (see Note 1)
MEA116	Apply work health and safety procedures at supervisor level in aviation maintenance	
MEA142	Manage self in the aviation maintenance environment	
MEA148	Apply mathematics and physics in aviation maintenance	
MEA323	Perform advanced troubleshooting in aircraft mechanical maintenance	All Cert IV units listed below for applicable licence (see Note 1)
MEA325	Weigh aircraft and perform aircraft weight and balance calculations as a result of modifications	All Cert IV units listed below for applicable licence (see Note 1)

Unit code	Unit title	Prerequisites
MEA343	Remove and install avionic system components	MEA294 or MEA227
MEA365	Assess structural repair/modification requirements and evaluate structural repairs and modifications	All Cert IV units listed below for applicable licence (see Note 1)
MSMENV472	Implement and monitor environmentally sustainable work practices	

Note 1: While the above core units do not have specific prerequisite units, it is a CASA licensing requirement that competency not be sought until all of the Certificate IV units listed below for the applicable licence have been attained.

Plus the following 17 core Certificate IV common and avionic/mechanical technical stream units listed below which are mandatory for CASA B1 licence subcategories.

Unit code	Unit title	Prerequisites
MEA107	Interpret and use aviation maintenance industry manuals and specifications	
MEA118	Conduct self in the aviation maintenance environment	
MEA154	Apply work health and safety practices in aviation maintenance	
MEA155	Plan and organise aviation maintenance work activities	MEA154
MEA156	Apply quality standards during aviation maintenance activities	MEA107, MEA154
MEA157	Complete aviation maintenance industry documentation	
MEA158	Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance	
MEA201	Remove and install miscellaneous aircraft electrical hardware/components	MEA107, MEA154, MEA155 MEA156, MEA157, MEA158

Unit code	Unit title	Prerequisites
MEA203	Remove and install advanced aircraft electrical system components	MEA201
MEA246	Fabricate and/or repair aircraft electrical hardware or parts	MEA201, MEA296
MEA296	Use electrical test equipment in aviation maintenance activities	MEA107, MEA154, MEA155 MEA156, MEA157, MEA158
MEA301	Perform aircraft flight servicing	MEA107, MEA154, MEA155, MEA156, MEA157, MEA158
MEA303	Remove and install aircraft pneumatic system components	MEA107, MEA154, MEA155 MEA156, MEA157, MEA158
MEA306	Remove and install engines and engine system components	MEA107, MEA154, MEA155, MEA156, MEA157, MEA158
MEA328	Maintain and/or repair aircraft mechanical components or parts	MEA303, MEA398
MEA339	Inspect, repair and maintain aircraft structures	MEA304 or MEA317
MEA398	Remove and install aircraft hydro-mechanical and landing gear system components	MEA154

Elective units of competency

Group A

To meet the criteria for the grant of a **B1.1** Licence complete **13** or **15** units listed below as specified in the unit selection guidelines in column 4.

Unit code	Unit title	Prerequisites	Unit selection guidance
MEA208	Remove and install aircraft pressurisation control system components	MEA201	
MEA209	Remove and install aircraft oxygen system components	MEA107, MEA154 MEA155, MEA156, MEA157, MEA158	
MEA219	Inspect, test and troubleshoot	MEA208, MEA246	

Unit code	Unit title	Prerequisites	Unit selection guidance
	pressurisation control systems and components		
MEA222	Inspect, test and troubleshoot aircraft oxygen systems and components	MEA209	
MEA223	Inspect aircraft electrical systems and components	MEA203, MEA246	
MEA227	Test and troubleshoot aircraft electrical systems and components	MEA223	
MEA305	Remove and install aircraft fixed wing flight control system components	MEA398	
MEA307	Remove and install propeller systems and components	MEA107, MEA154, MEA155, MEA156, MEA157, MEA158	Mandatory for B1.1 where the rating sought includes propellers
MEA315	Inspect, test and troubleshoot propeller systems and components	MEA307	Mandatory unit for B1.1 where the rating sought includes propellers
MEA317	Remove and install pressurised aircraft structural and non-structural components	MEA369 or MEA398 and MEA303	
MEA318	Inspect aircraft hydro-mechanical, mechanical, gaseous and landing gear systems and components	MEA303, MEA305, MEA398	
MEA319	Inspect gas turbine engine systems and components	MEA306	
MEA320	Test and troubleshoot aircraft hydro-mechanical, gaseous and landing gear systems and components	MEA318	
MEA321	Test and troubleshoot aircraft fixed wing flight control systems and components	MEA318	

Unit code	Unit title	Prerequisites	Unit selection guidance
MEA322	Test and troubleshoot gas turbine engine systems and components	MEA319	

Group B

To meet the criteria for a **B1.2** Licence complete 13 units listed below.

Unit code	Unit title	Prerequisites
MEA208	Remove and install pressurisation control system components	MEA201
MEA209	Remove and install aircraft oxygen system components	MEA107, MEA154 MEA155, MEA156 MEA157, MEA158
MEA219	Inspect, test and troubleshoot pressurisation control systems and components	MEA208, MEA246
MEA222	Inspect, test and troubleshoot aircraft oxygen systems and components	MEA209
MEA294	Inspect, test and troubleshoot advanced aircraft electrical systems and components	MEA203
MEA305	Remove and install aircraft fixed wing flight control system components	MEA398
MEA307	Remove and install propeller systems and components	MEA107, MEA154 MEA155, MEA156 MEA157, MEA158
MEA309	Inspect, test and troubleshoot aircraft hydro-mechanical and landing gear systems and components	MEA398

Unit code	Unit title	Prerequisites
MEA310	Inspect, test and troubleshoot aircraft pneumatic systems and components	MEA303
MEA312	Inspect, test and troubleshoot aircraft fixed wing flight control systems and components	MEA305
MEA313	Inspect, test and troubleshoot piston engine systems and components	MEA306
MEA315	Inspect, test and troubleshoot propeller systems and components	MEA307
MEA317	Remove and install pressurised aircraft structural and non-structural components	MEA369 or MEA398 and MEA303

Group C

To meet the criteria for the grant of a **B1.3** Licence complete **8** units listed below.

Unit code	Unit title	Prerequisites
MEA294	Inspect, test and troubleshoot advanced aircraft electrical systems and components	MEA203
MEA304	Remove and install non-pressurised aircraft structural and non-structural components	MEA398
MEA308	Remove and install rotary wing rotor and flight control system components	MEA398
MEA309	Inspect, test and troubleshoot aircraft hydro-mechanical and landing gear systems and components	MEA398
MEA310	Inspect, test and troubleshoot aircraft pneumatic systems and	MEA303

Unit code	Unit title	Prerequisites
	components	
MEA316	Inspect, test and troubleshoot rotary wing rotor and control systems and components	MEA308
MEA319	Inspect gas turbine engine systems and components	MEA306
MEA322	Test and troubleshoot gas turbine engine systems and components	MEA319

Group D

To meet the criteria for a B1.4 Licence complete 7 units listed below

Unit code	Unit title	Prerequisites
MEA294	Inspect, test and troubleshoot advanced aircraft electrical systems and components	MEA203
MEA304	Remove and install non-pressurised aircraft structural and non-structural components	MEA398
MEA308	Remove and install rotary wing rotor and flight control system components	MEA398
MEA309	Inspect, test and troubleshoot aircraft hydro-mechanical and landing gear systems and components	MEA398
MEA310	Inspect, test and troubleshoot aircraft pneumatic systems and components	MEA303
MEA313	Inspect, test and troubleshoot piston engine systems and components	MEA306
MEA316	Inspect, test and troubleshoot rotary wing rotor and control systems and components	MEA308

Qualification Mapping Information

Release 2. Supersedes and equivalent to MEA50219 Diploma of Aeroskills (Mechanical) (Release 1).

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Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?docId=ce216c9c-04d5-4b3b-9bcf-4e81d0950371&n=Aeroskills%20Training%20Package>