Sample Course Product Description

Training Product	Subsidised Diploma of Aeroskills for Apprentices MEA50118 Diploma of Aeroskills (Avionics)
Intro	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 Avionics and basics. Through practical training and theoretical learning, students develop essential hand skills, workplace safety awareness, and an understanding of aircraft maintenance principles. 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.
Who is this Course Suitable for?	This course is only available to apprentices employed under a training contract in South Australia.
Overview	Aeroskills Apprenticeship MEA50118 The Flight One Diploma in Aeroskills is delivered to apprentices throughout South Australia under a training contract and is subsidised by Skills SA The course is designed to run over 4 years and cover all aspects of inspecting, repairing and maintaining all Avionics aspects of general, commercial and defence sectors. 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 of Avionics systems and hardware. Apprentices will graduate with a Diploma, giving them a recognised trade qualification in Aircraft Maintenance Engineering What Will I Learn? • Fundamentals of aircraft maintenance and repair • Safe use of precision hand tools and workshop equipment • Workplace safety and aviation industry standards • Avionics systems including Electrical, radio and instrument systems • Understanding of aircraft components and their functions • Practical experience in a real aviation training environment
Class Times	**Class Times:** • 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 **Location:** Flight One School of Engineering 17 James Schofield Drive Adelaide Airport SA 5950 **Campus Maps:** • Open in Google Maps >> • Download PDF Map >>

Inclusions	The Diploma of Aeroskills: • 8 Diploma Core Units • 23 Common core Units • 1 or 2 Electives depending on the outcome required • https://training.gov.au/training/details/MEA50118/qualdetails • All training must conform to the packaging rules outlined at training.gov
Entry Criteria	**General Requirements** Following are the general entry requirements for the Diploma of Aeroskills in South Australia. • 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 **Visa Requirements for Non-Australian Citizens** In accordance with South Australian funding regulations, only holders of the following visas are eligible for subsidised training: • 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) *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. Visa holders with the following repealed provisional visas are also eligible for subsidised training: • 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 • State/Territory Sponsored Senior Executive (Provisional) Visa, subclass 164 • State/Territory Sponsored Investor (Provisional) Visa, subclass 165 **SA Funding Participant Eligibility Criteria**

	All Participants must: • reside or work in South Australia; and • 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; and are • 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. **Conditions** For conditions associated with funded activities, download our SA Funded Training Access Policy.
Tuition Fees	**Diploma of Aeroskills MEA50118** **The fee below assumes the student qualifies for subsidised training in SA** The Diploma of Aeroskills has a nominal student co-contribution of $3157.50, this figure is due to the qualification being subsidised.
Units of Competency	Dependant upon the stream being sought and must be compliant with packaging rules at then link below: https://training.gov.au/training/details/MEA50118/qualdetails
How to Enrol	**How to Enrol in This Course** First, talk with your employer to decide what pathway you wish to pursue. Employer sends EOI to commence the UAN process. Up front assessment of needs process commences (UAN), upon success completion of the process, the course will commence.

MEA50118 Diploma of Aeroskills (Avionics)

Modification History

Release 2. Qualification description updated. Supersedes and equivalent to MEA50118 Diploma of Aeroskills (Avionics) (Release 1).

Release 1. Supersedes and equivalent to MEA50115 Diploma of Aeroskills (Avionics). Unit codes updated.

Qualification Description

The qualification applies to individuals seeking the grant of a Civil Aviation Safety Authority (CASA) B2 Aircraft Maintenance Engineer Licence covering the supervision, performance and certification of avionic maintenance on aircraft that are type-rated by CASA for maintenance purposes.

The qualification satisfies CASA requirements for the grant, under Civil Aviation Safety Regulation (CASR) Part 66, of Aircraft Maintenance Engineer Licence B2 when the skills and knowledge requirements align with CASA syllabus requirements in the Companion Volume CASA Interface and training has been delivered in accordance with the requirements of CASR Part 147. It consists of:

- common and technical stream units required at Certificate IV level in the aircraft maintenance stream
- additional Diploma level common and imported units that cover supervisor level work health and safety (WHS) competency plus competencies required by CASA for the exercise of licence privileges
- Diploma level avionic technical stream units covering advanced fault diagnosis and aircraft weight and balance calculation.

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 MEA50118 Diploma of Aeroskills (Avionics) competency must be demonstrated in **thirty-two (32)** or **thirty-three (33)** units of competency, depending on the choice of elective specialist units. These units consist of:

- **eight (8)** core Diploma level (CASA licensing) units
- **twenty-three (23)** core common and technical stream units from Certificate IV that are mandatory for a CASA B2 Licence

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- either elective Group A (**two (2)** units) or Group B (**one (1)** unit).

Core units of competency

- Complete all **eight (8)** of the Diploma level common, imported and avionic 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 (See Note 1)
MEA112	Plan and implement civil aircraft maintenance activities	All Cert IV units listed below (see Note 1)
MEA113	Supervise civil aircraft maintenance activities and manage human resources in the workplace	All Cert IV units listed below (see Note 1)
MEA116	Apply work health and safety procedures at supervisor level in aviation maintenance	
MEA142	Manage self in the aviation maintenance environment	
MEA235	Perform advanced troubleshooting in aircraft avionic maintenance	All Cert IV units listed below (see Note 1)
MEA241	Perform aircraft weight and balance calculations as a result of modifications	All Cert IV units listed below (see Note 1)
MSMENV472	Implement and monitor environmentally sustainable work practices	

Note 1: While the 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 have been attained.

Plus the **twenty-three (23)** Certificate IV common and avionic/mechanical technical stream units listed below.

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Unit code	Unit title	Prerequisites
MEA107	Interpret and use aviation maintenance industry manuals and specifications	
MEA118	Conduct self in the aviation maintenance environment	
MEA148	Apply mathematics and physics in aviation maintenance	
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	MEA154, MEA107
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	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158
MEA203	Remove and install advanced aircraft electrical system components	MEA201
MEA206	Remove and install aircraft basic radio communication and navigation system components	MEA201
MEA223	Inspect aircraft electrical systems and components	MEA203, MEA246
MEA224	Inspect aircraft instrument systems and components	MEA292, MEA246
MEA226	Inspect aircraft electronic systems and components	MEA293, MEA246
MEA227	Test and troubleshoot aircraft electrical systems and components	MEA223
MEA228	Test and troubleshoot aircraft instrument systems and components	MEA224, MEA226
MEA229	Test and troubleshoot aircraft radio frequency	MEA226

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Unit code	Unit title	Prerequisites
	navigation and communications systems and components	
MEA232	Test and troubleshoot aircraft pulse systems and components	MEA226, MEA246
MEA246	Fabricate and/or repair aircraft electrical hardware or parts	MEA201, MEA296
MEA292	Remove and install advanced aircraft instrument system components	
MEA293	Remove and install aircraft electronic system components	
MEA296	Use electrical test equipment in aviation maintenance activities	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158
MEA301	Perform aircraft flight servicing	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158

Elective units of competency

Plus specialist elective units from Group A or Group B as defined below.

Group A

Complete the **two (2)** units listed.

Unit code	Unit title	Prerequisites
MEA225	Inspect fixed wing aircraft automatic flight control systems and components	MEA293, MEA246
MEA230	Test and troubleshoot fixed wing aircraft automatic flight control systems and components	MEA225, MEA246

Group B

Complete the **one (1)** unit listed.

Unit code	Unit title	Prerequisites
MEA231	Inspect, test and troubleshoot rotary wing aircraft	MEA293, MEA246

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Unit code	Unit title	Prerequisites
	automatic flight control systems and components	

Qualification Mapping Information

Release 2. Supersedes and equivalent to MEA50118 Diploma of Aeroskills (Avionics) (Release 1).

Release 1. Supersedes and equivalent to MEA50115 Diploma of Aeroskills (Avionics MEA50218 Diploma of Aeroskills (Mechanical).

Links

Companion Volume implementation guides are found in VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=ce216c9c-04d5-4b3b-9bcf-4e81d0950371

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