

AVIATION AUSTRALIA

Certificate IV Aeroskills (Structures)

MEA41315

The largest CASR and EASA Part 147 approved Maintenance Training Organisation in Australia.



	Name	Aviation Australia Pty Ltd	RTO number CASR Part 147	30770 CASA.147MTO.0025
Course Details	Code	MEA41315		
	Title	Certificate IV Aeroskills (Structures)		
Purpose of Course	<p>This course provides students with the underpinning knowledge and skills requirements to progress to an Aircraft technician, enabling them to:</p> <ul style="list-style-type: none"> • repair and modification of aircraft structures <p>The qualification defines the exit from an apprenticeship and may apply to work performed in hangars on the structure of complete aircraft and to work performed in workshops on structural components</p> <p>The qualification also provides credits towards the MEA50415 Diploma of Aviation Maintenance Management (Mechanical) and the MEA60215 Advanced Diploma of Aviation Maintenance Management (Mechanical). A limited number of credits are also provided towards the MEA50215 Diploma of Aeroskills (Mechanical).</p>			
Target Group	<p>This qualification may apply to employees of civil aviation maintenance organisations or to individuals that wish to gain employment in the aviation industry who perform work on both metal and composite structures. In some cases, primarily in the General Aviation sector, individuals may be also required to work on aircraft with wooden structures and/or fabric coverings.</p> <p>The qualification defines the exit from apprenticeship and may apply to work performed in hangars on the structure of complete aircraft and to work performed in workshops on structural components.</p>			
Regulatory requirements/ Packaging Rules	<p>To be awarded the MEA41315 Certificate IV in Aeroskills (Structures), competency must be demonstrated in nineteen (19) units of competency, as follows:</p> <ul style="list-style-type: none"> • fourteen (14) core units consisting of common, imported and technical stream units • five (5) elective technical stream units. 			



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Nationally Endorsed Training package (If applicable)	Code	MEA15	Version	1.3
	Title	Aeroskills Training Package	Qualification	MEA41315 - Cert IV in Aeroskills (Structures)
Reference Competency Unit(s) (If Applicable)	National Code	Title		Core / Elective
	MEA101	Interpret occupational health and safety practices in aviation maintenance		Core
	MEA103	Plan and organise aviation maintenance work activities		Core
	MEA105	Apply quality standards applicable to aviation maintenance processes		Core
	MEA107	Interpret and use aviation maintenance industry manuals and specifications		Core
	MEA108	Complete aviation maintenance industry documentation		Core
	MEA109	Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance		Core
	MEA118	Conduct self in the aviation environment		Core
	MEA327	Fabricate and/or repair aircraft mechanical components or parts		Core
	MEA401	Inspect aircraft structures		Core
	MEA420	Fabricate basic structural components for aircraft		Core
	MEA421	Fabricate advanced structural components for aircraft		Core
	MEA422	Repair / modify aircraft metal structure		Core
	MEA423	Aircraft structure major disassembly and reassembly		Core
	MSAENV272B	Participate in environmentally sustainable work practices		Core



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	MEA302	Remove and install aircraft hydro-mechanical and landing gear system components	Elective
	MEA303	Remove and install aircraft pneumatic system components	Elective
	MEA304	Remove and install non-pressurised aircraft structural and non-structural components	Elective
	MEA305	Remove and install aircraft fixed wing flight control system components	Elective
	MEA308	Remove and install rotary wing rotor and flight control system components	Elective
	MEA317	Remove and install pressurised aircraft structural and non-structural components	Elective
	MEA367	Repair / modify aircraft composite structure using cold bonding	Elective
	MEA405	Repair/modify aircraft composite material structure/components	Elective
	MEA410	Maintain aircraft structure / components	Elective
	MEA411	Remove surface coatings from aircraft or aircraft components	Elective
	MEA425	Perform bolted composite skin repairs	Elective
	MEM06003C	Carry out heat treatment	Elective



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Assessment Method and Delivery Mode	<p>Training Material can be accessed via Aviation Australia’s Learning Management System (LMS). Practice questions are also available to self-check their course progress.</p> <p>Remedial training programs are available on campus to support students. Programs are conducted to meet the individuals learning needs.</p> <p>CASR Part 66 The course delivery is in line with the CASR Part 66 basic knowledge syllabus. Delivered in a modular format with CASR Part 66 Multi-Choice-Question examinations as summative assessments. Please see Annex A. As per the CASR Part 66 Manual of Standards, if a candidate passes the examinations at over 75% then they receive a 10 year credit for that particular module/sub-module towards the applicable category/sub-category of licence.</p>
Course Length	<p>Varies. Candidates post RPL can choose to self-study the training material, or attend scheduled instructor led classes, or a combination of both.</p>
Course Costing	<ul style="list-style-type: none"> • \$1,500 enrolment/RPL/Journal of Experience/certification fee • The remaining costs for training material and CASR Part 66 examinations can only be determined by RPL and are therefore in addition to the above fee.
Outcome	<ul style="list-style-type: none"> • AQF MEA41315 Certificate IV in Aeroskills (Structures) qualification • CASR Part 147 Certificate of Recognition for CASR Part 66 basic knowledge examinations passed at over 75%



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Annex A
CASR Part 66 basic knowledge syllabus:

Subject Modules	Title
6	Material and Hardware
7	Maintenance Practices
8	Basic Aerodynamics
11	Aeroplane Aerodynamics, Structures and Systems
15	Gas Turbine Engine
17	Propeller

