

Course Details	Code	10599NAT (CRICOS: 094988F)
	Title	Diploma of Aircraft Maintenance Engineering – Mechanical TB1
	Length	90 weeks (full time)
Cost	AUD \$52,500	
Purpose	<p>The Diploma of Aircraft Maintenance Engineering – Mechanical TB1 is an EASA (European Aviation Safety Agency) approved course accessible to International and Domestic students.</p> <p>This 90-week program consists of 1242 hours of knowledge training and 1164 hours of practical maintenance experience and enables students to:</p> <ul style="list-style-type: none"> • Perform scheduled inspections of aircraft engines and airframes; and • Fault diagnose and repair aircraft airframes, mechanical, powerplant, hydraulic and pneumatic systems and components. <p>This course is suited to applicants wanting to pursue an EASA Part 66 Aircraft Maintenance Engineer Licence, and work on repairing and maintaining aircraft and aeronautical products, parts, and appliances.</p>	
Entry Requirements	<ul style="list-style-type: none"> • English Language Proficiency: Academic IELTS 5.5 (or equivalent) with no sub band score less than 5.0. Aviation Australia accepts <u>equivalent international education achievement levels</u>. Testing must have been completed within 2 years from the enrolment application date. • Academic Suitability: Evidence of completion of Year 12 or equivalent, with a pass in Mathematics (at minimum Year 10 or equivalent). Where an applicant does not meet these requirements, Aviation Australia may consider sufficient relevant work experience (documented via a resume and referees) and/or a successfully completed higher level qualification that demonstrates academic suitability. Aviation Australia uses these <u>equivalent international education achievement levels</u>. • Minimum of 17 years of age: Applicants under the age of 18 may be accepted where it is demonstrated they will be under approved guardianship arrangements. This arrangement requires the approval of the Department of Home Affairs. For more information visit <u>Department of Home Affairs – Welfare Requirements for Student Visa Applicants under 18</u>. • Genuine Temporary Entrant (GTE) Assessment: Applicants must provide a <u>Genuine Temporary Entrant statement</u>. This must be fully completed by the applicant in their own words and handwriting. Importantly, the Australian Government will also review this statement when assessing your International Student Visa application. • Current Valid Passport: The applicant’s passport must be current and valid for at least 6 months from the course commencement date. • Additional assessment requirements: Some countries may require additional assessment requirements, such as a higher IELTS level and/or student interview. You will be advised upon application if further details are required. 	

	NOTE: All documentation supplied must be certified and translated (in full) to English. The front page of the Enrolment Application Form details this requirement.	
Study Modes	<ul style="list-style-type: none"> On Campus (Selected campuses only) Online (this is a temporary provision for students while there are Australian border closures) 	
Course Outcomes	<ul style="list-style-type: none"> 10599NAT Diploma of Aircraft Maintenance Engineering - Mechanical TB1 EASA Certificate of Recognition (globally recognised) Journal of Experience outlining EASA tasks conducted (globally recognised) 	
Recognition of Prior Learning (RPL)	Applicants who have successfully completed other EASA Approved Courses can request RPL during the application process. If granted, there will be an additional RPL processing fee.	
Units of Competency		
Code	Name	Type
EDBWHS101	Interpret work health and safety practices in aviation maintenance	Core
EDBORG103	Plan and organise aviation maintenance work activities	Core
EDBQAM105	Apply Quality Standards applicable to Aviation Maintenance	Core
EDBAMM107	Interpret and use aviation maintenance industry manuals and specifications	Core
EDBDOC108	Complete aviation maintenance industry documentation	Core
EDBBHS109	Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance	Core
EDBADM111	Perform administrative processes to prepare for certification of civil aircraft maintenance	Core
EDBPLN112	Plan and implement civil aircraft maintenance activities	Core
EDBSPR113	Supervise civil aircraft maintenance activities and manage human resources in the workplace	Core
EDBASP116	Apply work health and safety procedures at supervisor level in aviation maintenance	Core
EDBPHY148	Apply mathematics and physics in aviation maintenance	Core
EDBMEH201	Remove and install miscellaneous aircraft electrical hardware/components	Core
EDBAEC203	Remove and install advanced aircraft electrical system components	Core
EDBPCS208	Remove and install aircraft pressurisation control system components	Core
EDBOXY209	Remove and install aircraft oxygen system components	Core
EDBPCS219	Inspect, test and troubleshoot aircraft pressurisation control systems and components	Core
EDBOXY222	Inspect, test and troubleshoot aircraft oxygen systems and components	Core
EDBAEC223	Inspect aircraft electrical systems and components	Core

EDBAEC227	Test and troubleshoot aircraft electrical systems and components	Core
EDBFEH246	Fabricate and/or repair aircraft electrical hardware or parts	Core
EDBETE260	Use electrical test equipment	Core
EDBAFS301	Perform aircraft flight servicing	Core
EDBHLG302	Remove and install aircraft hydro-mechanical and landing gear system components	Core
EDBPSC303	Remove and install aircraft pneumatic system components	Core
EDBFCS305	Remove and install aircraft fixed wing flight control system components	Core
EDBENG306	Remove and install engines and engine system components	Core
EDBPRP307	Remove and install propeller systems and components	Core
EDBPRP315	Inspect, test and troubleshoot propeller systems and components	Core
EDBPRP317	Remove and install pressurised aircraft structural and non-structural components	Core
EDBHLG318	Inspect aircraft hydro-mechanical, mechanical, gaseous and landing gear systems and components	Core
EDBENG319	Inspect gas turbine engine systems and components	Core
EDBHLG320	Test and troubleshoot aircraft hydro-mechanical, gaseous and landing gear systems and components	Core
EDBFCS321	Test and troubleshoot aircraft fixed wing flight control systems and components	Core
EDBENG322	Test and troubleshoot gas turbine engine systems and components	Core
EDBATS323	Perform advanced troubleshooting in aircraft mechanical maintenance	Core
EDBWAB325	Weigh aircraft and perform aircraft weight and balance calculations as a result of modifications	Core
EDBREP328	Maintain and/or repair aircraft mechanical components or parts	Core
EDBSTR339	Inspect, repair and maintain aircraft structures	Core
EDBASC343	Remove and install avionics system components	Core
EDBSTR365	Assess structural repair/modification requirements and evaluate structural repairs and modifications	Core
MEA118	Conduct Self in Aviation maintenance environment	Core
MEA142	Manage Self in Aviation maintenance environment	Core
MSAENV472B	Implement and monitor environmentally sustainable work practices	Core
EDBATS323	Perform advanced troubleshooting in aircraft mechanical maintenance	Core

Module/Subject		
Code	Name	Type
B-1	Mathematics	Theory
B-2	Physics	Theory
B-3	Electrical Fundamentals	Theory
B1-4	Electronic Fundamentals	Theory
B1-5	Digital Techniques / Electronic Instruments	Theory
B1-6	Materials and Hardware	Theory
B1-7A	Maintenance Practices	Theory
B-8	Basic Aerodynamics	Theory
B-9	Human Factors	Theory
B-10	Aviation Legislation (EASA)	Theory
B1-11A	Aeroplane Aerodynamics Structures and Systems	Theory
B1-15	Gas Turbine Engine	Theory
B1-17	Propeller Systems	Theory
PCT/MT	Practical Consolidation & Maintenance Training (this may be conducted off campus)	Practical
AA-21	Effective Leadership in Maintenance	Online
AA-53	Implement and monitor environmentally sustainable work practices	Online
Additional upgrades are available for this course. Please see the website for details.		