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| Course Details     | Code   | 10600NAT (CRICOS: 094987G)                                 |
|                    | Title  | Diploma of Aircraft Maintenance Engineering - Avionics TB2 |
|                    | Length   | 90 weeks (full time)                                       |
| Cost               | AUD \$52,500   |  |
| Purpose            | <p>The Diploma of Aircraft Maintenance Engineering - Avionics TB2 is an EASA (European Aviation Safety Agency) approved course accessible to International and Domestic students.</p> <p>This 90-week program consists of 1302 hours of knowledge training and 1104 hours of practical maintenance experience and enables students to:</p> <ul style="list-style-type: none"> <li>• Perform scheduled inspections of aircraft electrical, avionic, instruments and radio systems; and</li> <li>• Fault diagnose and repair aircraft electrical, avionic, instruments and radio systems and components.</li> </ul> <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"> <li>• <b>English Language Proficiency:</b><br/>Academic IELTS 5.5 (or equivalent) with no sub band score less than 5.0. Aviation Australia accepts <a href="#">equivalent international education achievement levels</a>. Testing must have been completed within 2 years from the enrolment application date.</li> <li>• <b>Academic Suitability:</b><br/>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 <a href="#">equivalent international education achievement levels</a>.</li> <li>• <b>Minimum of 17 years of age:</b><br/>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 <a href="#">Department of Home Affairs - Welfare Requirements for Student Visa Applicants under 18</a>.</li> <li>• <b>Genuine Temporary Entrant (GTE) Assessment:</b><br/>Applicants must provide a <a href="#">Genuine Temporary Entrant statement</a>. 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.</li> <li>• <b>Current Valid Passport:</b><br/>The applicant's passport must be current and valid for at least 6 months from the course commencement date.</li> <li>• <b>Additional assessment requirements:</b><br/>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.</li> </ul> |  |

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|  | <b>NOTE:</b> All documentation supplied must be certified and translated (in full) to English. The front page of the Enrolment Application Form details this requirement.  |             |
| <b>Study Modes</b>                         | <ul style="list-style-type: none"> <li>On Campus (Selected campuses only)</li> <li>Online (this is a temporary provision for students while there are Australian border closures)</li> </ul>   |             |
| <b>Course Outcomes</b>                     | <ul style="list-style-type: none"> <li>10600NAT Diploma of Aircraft Maintenance Engineering – Avionics TB2</li> <li>EASA Certificate of Recognition (globally recognised)</li> <li>Journal of Experience outlining EASA tasks conducted (globally recognised)</li> </ul> |             |
| <b>Recognition of Prior Learning (RPL)</b> | 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.   |             |
| <b>Units of Competency</b>                 |  |             |
| <b>Code</b>                                | <b>Name</b>  | <b>Type</b> |
| EDBWH5101                                  | 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        |
| EDBAIS205                                  | Remove and install advanced aircraft instrument system components  | Core        |
| EDBNAV206                                  | Remove and install aircraft basic radio communication and navigation system components   | Core        |
| EDBESC207                                  | Remove and install aircraft electronic system components   | Core        |
| EDBAEC223                                  | Inspect aircraft electrical systems and components   | Core        |
| EDBAIS224                                  | Inspect aircraft instrument systems and components   | Core        |

| EDBFCS225      | Inspect fixed wing aircraft automatic flight control systems and components                         | Core   |
|----------------|---|--------|
| EDBESC226      | Inspect aircraft electronic systems and components  | Core   |
| EDBAEC227      | Test and troubleshoot aircraft electrical systems and components                                    | Core   |
| EDBAIS228      | Test and troubleshoot aircraft instrument systems and components                                    | Core   |
| EDBNAV229      | Test and troubleshoot aircraft radio frequency navigation and communications systems and components | Core   |
| EDBFCS230      | Test and troubleshoot fixed wing aircraft automatic flight control systems and components           | Core   |
| EDBRFC231      | Inspect, test and troubleshoot rotary wing aircraft automatic flight control systems and components | Core   |
| EDBPSC232      | Test and troubleshoot aircraft pulse systems and components   | Core   |
| EDBAVM235      | Perform advanced troubleshooting in aircraft avionic maintenance                                    | Core   |
| EDBWAB241      | Perform aircraft weight and balance calculations as a result of modifications                       | Core   |
| EDBFEH246      | Fabricate and/or repair aircraft electrical hardware or parts                                       | Core   |
| EDBETE260      | Use electrical test equipment   | Core   |
| EDBAFS301      | Perform aircraft flight servicing   | Core   |
| MSMENV472      | Implement and monitor environmentally sustainable work practices                                    | Core   |
| MEA118         | Conduct Self in Aviation maintenance environment  | Core   |
| MEA142         | Manage Self in Aviation maintenance environment   | Core   |
| Module/Subject |   |        |
| Code           | Name  | Type   |
| B-1            | Mathematics   | Theory |
| B-2            | Physics   | Theory |
| B-3            | Electrical Fundamentals   | Theory |
| B2-4           | Electronic Fundamentals   | Theory |
| B2-5           | Digital Techniques / Electronic Instruments   | Theory |
| B2-6           | Materials and Hardware  | Theory |
| B2-7A          | Maintenance Practices   | Theory |
| B-8            | Basic Aerodynamics  | Theory |
| B-9            | Human Factors   | Theory |

# COURSE OUTLINE

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|---|---|-----------|
| B-10  | Aviation Legislation (EASA)   | Theory    |
| B2-13   | Aircraft Aerodynamics Structures and Systems                                      | Theory    |
| B2-14   | Propulsion  | 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    |
| <b>Additional upgrades are available for this course. Please see the website for details.</b> |   |           |