

***An Introduction to Work Place Training for Aircraft Maintenance Engineering Technicians  
within your Aircraft Maintenance Organisation.***

Nelson Marlborough Institute of Technology (NMIT) seeks the support of your organisation to provide temporary (eight weeks) work experience placements for aircraft technicians at the completion of their Two Year, Level 4 Certificate of Aircraft Maintenance Engineering training.

In October 2010, our graduating students will require temporary positions in aircraft maintenance organisations to gain “real world” work experience to compliment and complete their intensive two years of technical training. This is the final course requirement prior to full graduation. As the course holidays commence in April some of the graduates may be available two weeks earlier if required urgently.

It is important to NMIT to enhance the likelihood of ongoing support from your organisation that this placement for work experience request is not confused with a three-year modern apprenticeship scheme and the training/supervision burdens that these can bring. This is simply a graduate that has completed formal training school tuition requiring an opportunity to be productive on real aircraft in a real world environment for 8 weeks. In all placements to date, the NMIT graduates have been valuable members of a team contributing towards production and in many cases have been helpful in achieving company’s peak workloads. There will be an ongoing need for 8 week work experience for up to 16 graduates in both April/May and October every year and it is hoped that by being aware of this, industry may be able to not only assist aircraft engineering students in their endeavours but also take advantage of this opportunity to help alleviate their workloads.

While some students have already made industry contacts willing to provide this work experience, it is important for NMIT to identify all organisations willing to provide places from time to time in the future. NMIT can then make a formal application on behalf of students to their preferred organisations, usually based on their bias to apply to organisations from their home-towns or cities throughout New Zealand.

General information and some FAQ relating to placements are:

No Requirement to Pay During Work Experience

There is no expectation from NMIT for your maintenance organisation to pay our graduates during the 8 week work experience period. This is at your discretion and is a matter for agreement between the student and your organisation.

Opportunity to Assess Employment Potential

We are hopeful that this 8 week placement will give maintenance organisations who may be considering full employment an opportunity to assess the employment potential of our graduates.

Productive Input

Our graduates will provide you with productive input during the work experience. In completing the 2 year training course all will have reached the requirements for a Level 4 NZQA National Certificate in Aeronautical Engineering. The two year course includes approximately 50 percent practical hands-on training and 50 percent theory. Many of the graduates have also passed their basic CAA License examinations as part of future preparation to become a LAME. All will have good practical skills and excellent learning potential. Most are aged between 20 years and 30 years and are work-ready. Some also have relevant experience from other industries.

### Supervision

They will require supervision and mentoring commensurate with their experience in accordance with the requirements of the NZCAA and your own Quality and Safety Systems.

### Scope of Work

We hope that the graduates will be exposed to a range of work in your organisation depending on activity at the time. However, the main aim is exposure to the “real” aviation maintenance workplace.

### Assessments/Unit Standards

We do not need your organisation to provide NMIT with a detailed assessment of our graduates. We request that you fill out a one page feedback form for each graduate at the conclusion of the work experience. We would also appreciate you completing their personal Experience Logbooks if appropriate and that any Unit Standards that may have been completed during this time are awarded if you are able to carry out workplace assessment.

### NMIT Certificate of Aircraft Maintenance Engineering Training Overview

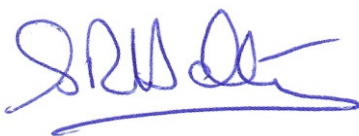
(We would also welcome feedback on how we could tailor our programme in the future to change emphasis or to meet yours/industries requirements)

- Personal development and aircraft engineering safety
- Trade science, math, metallurgy, drawing and aircraft technical administration
- Precision measurement, tools, component assembly and disassembly
- Metal & Machine Shop; welding, lathes and power driven machines.
- Aircraft mechanical systems and flight controls
- Reciprocating engines and associated systems, ignition, fuel, props
- Aircraft maintenance practices and scheduled aircraft servicing (100hr inspections)
- Aircraft construction and skin repair
- Aircraft structures and high speed aerodynamics
- Gas turbine engines
- Aircraft hydraulics and environmental systems
- Avionic Systems - electrical theory, aircraft power distribution, instrument systems, radio, navigation and radar
- Demonstrate knowledge of CAA maintenance laws (CAR Parts 1, 12, 21, 39 43, 66, 91,145)

I hope that your organisation can assist the next generation of Aircraft Maintenance Engineers and look forward to hearing from you soon; I want to reassure you these 8 weeks will not be a burden to you. If you are unable to assist on this occasion we would appreciate an indication of your interest in taking graduates from future intakes and also any suggestions or requests regarding other training requirements you may have.

Please don't hesitate to contact us (email: [Anna.Blick@nmit.ac.nz](mailto:Anna.Blick@nmit.ac.nz) Ph. 03 572 9624) for any information you need.

Yours sincerely,



Steve Holtum  
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NMIT Aviation