



THE SKY'S THE LIMIT!

**START YOUR CAREER IN AERONAUTICAL
MAINTENANCE ENGINEERING**

**Are you looking for an exciting
start to your career?**

**Why not apply for Atlantic Aviation's prestigious
Aircraft Maintenance Engineer apprenticeship.**

Completion of this apprenticeship leads to
obtaining an Aircraft Maintenance License and the
opportunity to work in an exciting growth industry.
This programme has produced award winning
apprentices at national and world levels.



**ATLANTIC
AVIATION
GROUP**

Apply Now at
www.atlanticaviation.ie

What does an Aircraft Engineer do?

Aircraft Engineers are employed throughout the aviation industry. They are responsible for many types of aircraft. Engineers inspect, maintain, modify and repair airframes, engines and avionics. There is also a large amount of sheet metal repairs and corrosion removal on airframes during hangar visits. The aviation industry is regulated in Europe by the European Aviation Safety Agency (EASA), in America by the Federal Aviation Administration (FAA) and in Ireland, by the Irish Aviation Authority (IAA).

What does the course cover?

The course covers engineering plus an introduction to avionics, aircraft structures, jet engines and systems. On finishing this course, apprentices are awarded the National Craft Certificate by Quality Qualifications Ireland and an Aircraft Maintenance Engineers Licence by the Irish Aviation Authority.

Note: The Aircraft Maintenance Engineers Licence is the aviation maintenance industry's basic qualification, which recognises the holder as a qualified Aircraft Maintenance Engineer. This licence is recognised internationally.

Learn from the best

Our qualified trainers and assessors use proven training methods and goals with each student. We believe that quality speaks for itself, whether it is in aircraft maintenance or in training our staff. The high quality of our product is recognised throughout the industry.

'With the right attitude, you can achieve whatever you want in AAG after completing an apprenticeship'



Stephen Hehir - Qualified apprentice from 2014 currently supervising an avionics team of 13 people.

What is involved?

This career is challenging and demands a high level of commitment. It involves two disciplines; avionics and mechanical. The course covers a broad range of subjects including airframes and jet engines (with associated mechanical and avionics systems), aircraft structures, sheetmetal and composite materials, physics, mathematics, technical drawing, workshop technology and practice avionics.

'You get great exposure to all areas of aircraft maintenance with the Atlantic Aviation apprenticeship'



Chris Kissane - Current apprentice 2012 - 2016 and Irish National skills champion 2015.

Technical Training (off-the-Job)

This training involves learning practical skills, combined with theory, including maths, science, drawing and personal development skills. Training will normally take place at SOLAS Training Centre Shannon and DIT-Bolton Street, Dublin (or at another training facility suitable to Atlantic Aviation Group).

Apprentices will be required to pass a series of tests throughout training. These include practical tests, short answer or multiple choice knowledge tests plus course work assessments. During block release, SOLAS will pay wages and an allowance towards accommodation expenses. The apprentice will be responsible for finding accommodation during block release.

Practical Training (On-the-Job)

Training with an employer allows an apprentice to get practical work experience. In addition to gaining skills and knowledge, the apprentice will be assessed on their performance of specific tasks to pre-set standards.



How long does it take?

- The training programme consists of five phases of training, both on-the-job with Atlantic Aviation Group and off-the-job in SOLAS Shannon or DIT-Bolton St or another training facility suitable to Atlantic Aviation Group.
- Assessment is via a mixture of continuous and end-of-course examination. This continuous assessment will include practical and written assignments, together with homework study during a four year training term.
- During the apprenticeship, the apprentice will be expected to complete a portfolio which will demonstrate the outcome of his or her learning. The portfolio is completed at each stage of the apprenticeship.

Phase 1	4 Weeks	On-the-job
Phase 2A	32 weeks	Off-the-job
Phase 3A	5 weeks	Practical training on-the-job
Phase 3A	1 year	On-the-job experience
Phase 2B	8 weeks	Off-the-job
Phase 3B	6 weeks	Practical training on-the-job
Phase 4	35 weeks	Off-the-job
Phase 5	5 weeks	Practical training on-the-job
Phase 5	1 year	On-the-job experience

What can I expect to learn?

In addition to completing the apprenticeship, each apprentice is also expected to achieve an Aircraft Maintenance Engineers Licence, which is broken down into various modules: Easa Part 66 Modules B1 (Aeroplane with Turbine Engines).


Subjects include:

1. Mathematics - arithmetic, algebra & geometry
2. Physics Matter - mechanics, statics, kinetics, dynamics, thermodynamics, optics, wave, motion & sound
3. Electrical Fundamentals – electron theory, conduction, generation, circuits, laws, power, magnetism, inductance, motor theory AC & DC theory
4. Electronic Fundamentals – semiconductors, transistors, integrated circuits, servos
5. Digital Techniques - electronic instrument systems, data conversion, ACARS, ECAM, EFIS, GPS, logic circuits, computer structure, software
6. Materials and Hardware
7. Maintenance Practices
8. Basic Aerodynamics – our atmosphere, generation of lift, stability and high speed aerodynamics, theory of flight and structures
9. Human Factors
10. Aviation Legislation
11. Turbine Aerodynamics, Structures and Systems
12. Gas Turbine Engine

Note 1: The subject modules may be sub-divided into sub-modules for the purpose of training and/or examination.

Note 2: Modules 13 & 14 may be added in the event of Atlantic Aviation Group training B2 apprentices (avionics).

This license now allows your qualification to benefit from European recognition and is the stepping stone within the industry for personal development.



'The practical training at Atlantic Aviation is second to none. Every day is different, that's what makes it so exciting.'

Florian Byrnes -
Current apprentice
2012 - 2016

What qualification will I get if I complete the apprenticeship?

Level 6 Advanced Certificate Aircraft Mechanic & PART 66 Aircraft Maintenance License

Note: The Issue of PART 66 License requires the submission of relevant documentation to the IAA including proof of apprenticeship completion.

Will I be paid?

Apprentice's pay is based on a percentage of a qualified tradesman's pay scale. During the four years of the apprenticeship, pay increases annually, remaining in line with industry standards.

Is there any age restriction?

Ideally, candidates should be over 17 years of age on April 1st.

What education do I need?

You should have achieved or expect to achieve, a minimum of H5 or O4 in Leaving certificate Mathematics and English (As per the previous grading system, a minimum of Grade D in Higher Level or Grade "C" in lower level Mathematics and English).

In addition, the following leaving certificate subjects are advantageous: metalwork, woodwork, engineering, physics or physics / chemistry.

Original education certification is required before job offer is valid.

Please note: Other qualifications or equivalent may be considered by Atlantic Aviation Group on application.

How do I apply for an apprenticeship?

- Step 1.** Complete an online application form at www.atlanticaviation.ie/apprentice before the closing date. Applications are checked for candidate requirements.
- Step 2.** Successful candidates are then asked to complete an aptitude test in both general and mechanical reasoning.
- Step 3.** Successful candidates are then assessed by a panel of examiners. This includes interview, manual dexterity tests and possibly O.P.Q. tests.
- Step 4.** Successful candidates who best meet all requirements may then be offered an apprenticeship. All job offers are subject to passing medical and colour vision tests and to producing required educational documents.


Forward any further enquiries to:

Apprentice Recruitment Section, Atlantic Aviation Group,
Shannon Airport, Co Clare
Tel. No: 061 717743
E-mail: apprenticeship@atlanticaviation.ie

Why choose Atlantic Aviation

Atlantic Aviation Group is a leading aircraft maintenance provider, offering maintenance and engineering services to international operators of B737, B757, B767 and B777 type aircrafts. Our Customers include global airlines, leasing companies and VIP operators.

We have been providing quality services for over 50 years in our modern 110,000 square foot facility at Shannon. We are recognised worldwide for our expertise and quality of workmanship in aviation. Our successful apprenticeship programme has been running for over thirty years. We are proud to have produced award-winning apprentices at both national and international levels.



'The people are great; you can expect to make friends for life'

Justin Cahill - Current apprentice 2012 - 2016.



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Atlantic Aviation Group
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