



## Dublin Aerospace Aircraft Mechanic Apprenticeship

### OVERVIEW

Aircraft Mechanic's inspect, maintain and repair airframe structures, engines, electrical and avionics systems. Therefore, both mechanical and electrical aptitudes are necessary.

The aviation industry uses advanced technology, and with increasing reliance on computerised flight control and aircraft management systems, the understanding of electronic and computer equipment is an important part of an Aircraft Technician's skill set.

The work is diverse, disciplined and highly regulated, both nationally and internationally.

After successful completion of this Apprenticeship the apprentice will receive a Level 6 Advanced Certificate from [Solas](#) and be eligible to apply for a Part 66 Aircraft Maintenance Engineers Licence from the [Irish Aviation Authority](#).

### PERSONAL QUALITIES AND SKILLS

You must have a desire to work with your hands, a keen interest in the aviation industry and a positive attitude to studying and work.

You must also have strong practical skills. The ability to understand technical information and diagrams is important.

In aviation, records are important and you will have to complete reports on all work carried out. As well as sound technical knowledge, you must have a strong sense of responsibility and the ability to work accurately. You must also be able to follow written instructions and record actions taken. Good teamwork is a key quality.

### Central Aspects

- Like working with your hands
- Teamwork
- Understanding and using Physics
- Learning how an aircraft and its systems work
- Understanding Instructional manuals including technical drawings and diagrams
- Learning new knowledge and craft skills leading to competency

### Secondary Aspects

- Practical skills and theoretical knowledge
- Being responsible for controlling or adjusting equipment
- Working with electrical and electronic equipment
- Repairing items

### DURATION AND STRUCTURE OF APPRENTICESHIP

The Aircraft Apprenticeship program is a minimum of 4 years.

It consists of 5 phases,

- 3 On-the-Job Phases with Dublin Aerospace
- 2 Off-the-Job Phases with the Education & Training Boards (ETB)/Solas/Institutes of Technology (approx. 75 weeks in total between Shannon, Co. Clare and Dublin)

For more information on the Structure & costs of the Aircraft Technician Apprenticeship, please click [here](#).

Successful completion is achieved when all the required theory and practical tests have been passed in order to obtain an EASA (European

Aviation Safety Agency) Part 66 Aircraft Maintenance Licence in the designated category.

Subjects include:

1. Mathematics
2. Physics
3. Electrical Fundamentals
4. Electronic Fundamentals
5. Digital Techniques / Electronic Instrument Systems
6. Materials and Hardware
7. Maintenance Practices
8. Basic Aerodynamics
9. Human Factors
10. Aviation Legislation
11. Turbine Aerodynamics, Structures and Systems
13. *Aircraft Aerodynamics, Structures and Systems*
14. *Propulsion*
15. Gas Turbine Engine
17. Propeller

These licence requirements including syllabi are contained in the consolidated version of Commission Regulation (EU) No 1321/2014. Annex III Part-66. To view the syllabi for the above subjects please refer to pages 100-152 by clicking [here](#).

## APPLICATION REQUIREMENTS

Candidates must:

- 🌀 Be over 18 years of age on the 1st September 2018;
- 🌀 Be permitted to live in Ireland without restriction;
- 🌀 Be able to pass a full security and background check – This includes Garda Vetting;
- 🌀 Be able to pass a colour vision and medical assessment.

### Educational Qualifications

Candidates must have obtained the following minimum educational qualifications:

#### Junior Certificate (Ordinary Level)

Grade C or higher at Ordinary Level (or Grade D or higher at Higher Level) in the Junior Certificate (or equivalent) in one sitting in the following subjects:

1. English
2. Mathematics
3. Science \*
4. Any other 2 subjects

\* If you have not obtained the required grade in Science, Grade C or higher in any one of the following subjects is acceptable: Technology, Technical Graphics, Materials Technology (Wood) or Metalwork (Materials & Technology).

**OR**

#### Leaving Certificate

Grade O6/D or higher at Ordinary Level in the Leaving Certificate (or equivalent) in one sitting in the following subjects:

1. English
2. Mathematics
3. Science Subject \*
4. Any other 2 subjects

\*Agricultural Science, Biology, Chemistry, Physics, Physics and Chemistry, Applied Mathematics

If you have not obtained the required grade in any of the above Science subjects, the following is acceptable at Leaving Certificate Level:

Construction Studies, Design and Communication, Graphics, Engineering and Technology

## APPLICATION PROCESS:

PLEASE READ THE FOLLOWING GUIDELINES below before you submit your application.

Failure to complete the application correctly may result in your application being rejected:

- 🌀 Please ensure that your email address is valid as this will be the primary method of communication.
- 🌀 An initial screening process will take place focusing on the applicants grammar, academic qualifications, hobbies and work experience.
- 🌀 Candidates who pass the initial screening stage of the Recruitment process will be required to attend testing/interviews during the months of July and August. There may not be alternative dates available, please bear this in mind when applying.
- 🌀 You will need to upload your CV and an official copy of your Junior/Leaving Certificate results.
- 🌀 Your CV should contain the following information:
  - Names, addresses and dates of schools attended,
  - Previous work history (paid or voluntary),
  - Any hobbies, involvement in clubs/organisations etc.,
  - Names and contact details of at least 2 referees.

## HOW TO APPLY:

Interested candidates can apply via our website [www.dublinaerospace.com/careers](http://www.dublinaerospace.com/careers).

You should receive a message on the screen once you have fully completed your application acknowledging that it has been received. If you do not receive one please contact the HR Department: [recruitment@dublinaerospace.com](mailto:recruitment@dublinaerospace.com)