

World market leader in Aircraft
Maintenance Training



Lufthansa Technik
Shannon

Aviation Training Academy

Bachelor of Science in
Aircraft Maintenance
Engineering



LIT

ACTIVE LEADERSHIP IN
EDUCATION, ENTERPRISE
AND ENGAGEMENT



Aircraft Maintenance Licence Training Programme

Lufthansa Technik Shannon Limited (LTSL) and Limerick Institute of Technology (LIT) offer this 28 month full time QQI Level 7 accredited BSc. in Aircraft Maintenance Engineering. On successful completion of this course, graduates will meet the requirements to apply to the Irish Aviation Authority for an EASA Category A1 Aircraft Maintenance Licence. They will also have completed 70% of the B1.1 aircraft maintenance licence and 58% of the B2 aircraft maintenance licence modules.

Successful graduates will also be awarded a QQI Level 7 BSc. in Aircraft Maintenance Engineering by Limerick Institute of Technology.

The 4 remaining B1.1 or the 5 remaining B2 modules can be taken through night courses and self-study while attending their course in Shannon.

This course has been designed and adapted to provide trainee aircraft maintenance engineers with the best education and training for working within the aviation maintenance industry

Programme Structure

The programme is not organised on an academic calendar, it runs fulltime over 28 months in our Aviation Training Academy and consists of 3 stages.

Stage 1 - EASA Modules

- Cat B1 Module 1 - Mathematics
- Cat B1 Module 2 - Physics
- Cat A Module 3 - Electrical Fundamentals
- Cat A Module 5 - Digital Techniques/Electronic Instrument Systems
- Cat B1 Module 6 - Materials and Hardware
- Cat B1 Module 7 - Maintenance Practices
- Cat B1 Module 8 - Basic Aerodynamics
- Cat B1 Module 9 - Human Factors
- Cat B1 Module 10 - Aviation Legislation
- Cat A Module 11 - Aeroplane Aerodynamics Structures and Systems
- Cat B1 Module 15 - Gas Turbine Engines
- Cat B1 Module 17 - Propeller

Stage 2

- Basic Metal Work
- Basic Sheet Metal Work
- ATA 20 M - Standard Maintenance Practices - Mechanical
- ATA 20 E - Standard Maintenance Practices - Electrical
- Aircraft Practical Training in the LTSL EASA Part 145 Maintenance Repair Organisation
- Fuel Tank Safety
- Manual Handling
- Inspection Techniques
- Company Procedures
- Fall Arrest
- ATA 104 Level 1 Airbus A320 Familiarisation course

Stage 3

- **Aircraft On the Job Experience in the LTSL EASA Part 145 Maintenance Repair Organisation**
- **EASA Part 145 Continuation Training**

The experience requirements for the EASA licence is met by the student aircraft maintenance engineer been integrated into a live aircraft maintenance environment within LTSL.

Here they will gain very valuable aircraft base maintenance experience across every area of the aircraft.

Career Options

Graduates from this programme can find employment as

- Licenced Aircraft Maintenance Engineers in aircraft base maintenance facilities.
- Licenced Aircraft Maintenance Engineers in airline line maintenance.
- Complete B1.1 and or the B2 licence .
-increase certification privileges. Add a type course.
- Tech Services / Continued Airworthiness Management