CAREER PATHWAY

PILOT

LEVEL 2

GCSE OPTIONS AT THORNLEIGH

Must have 5 GCSEs including English, Maths and Science

LEVEL 3

COURSE OPTIONS AT THORNLEIGH

- Maths
- Physics
- Geography
- Computer Science
- MFL

A-LEVEL EQUIVALENT ALTERNATIVE COURSES

- Engineering T-Level
- Engineering Extended Diploma
- Mechanical Engineering T-Level
- Travel and Tourism

SCHOOL LEAVERS APPRENTICESHIPS

Not applicable

LEVEL 4-6

HIGHER APPRENTICESHIP COURSES

18+

- Aircrew Officer Pilot (Royal Navy)
- Become a pilot (Easyjet / RyanAir / British Airways)
- Pilot (RAF)

UNI / APPRENTICESHIP DEGREES

- Aerospace Engineering Degree Apprenticeship (Level 6)
- Aerospace Engineering Degree
- Aircraft Engineering ith Pilot Studies Degree
- Aviation Operations with Pilot Training Degree

PILOT

A pilot operates an aircraft to transport passengers, cargo, or perform specialized services like search-and-rescue, agriculture, or training.

Core Duties

- Pre-flight Planning: Inspect the aircraft, review weather forecasts, calculate fuel requirements, and check weight and balance limits.
- Flight Operations: Manage takeoff, cruising, and landing using both manual controls and automated flight management systems.
- Communication & Navigation: Coordinate with air traffic control (ATC), monitor cockpit instruments, and adjust routes for weather or traffic.
- Safety & Emergencies: Maintain strict safety protocols, manage cabin/flight crew resources, and handle unexpected technical or medical issues.