

TAKEOFF

AVIATION ACADEMY

AVIATION CAREER PATHWAY PROGRAMMES

Programme Information and Full Syllabus

A structured pathway into aviation through guided SkySave learning and live virtual teaching.

LEVEL 2

Introduction to Aviation Operations

Starts 2 October 2026

4 weeks | 8 live classes | 16 hours

Launching price: £100

LEVEL 3

Aviation Operations

Starts 9 November 2026

4 weeks | 8 live classes | 16 hours

Launching price: £150

FREE online pre-course included with registration

Delivered by Takeoff Aviation Academy, an Approved Training Organisation (ATO).

Guiding People. Building Futures.
One World. One People. One Standard.

PROGRAMME INFORMATION

Start with a clear aviation pathway

The Aviation Career Pathway Programmes provide an accessible introduction to aviation and a structured route towards further study, specialist training and career development. Learners explore how airlines, airports, aviation authorities, operational departments and specialist professionals work together.

LEVEL 2

Introduction to Aviation Operations

No previous aviation experience required. Four weeks of guided online and live virtual learning.

LEVEL 3

Aviation Operations

For Level 2 graduates or learners with equivalent introductory aviation knowledge.

HOW ONLINE BLENDED LEARNING WORKS

1

Prepare online

Complete assigned SkySave lessons, videos, reading and introductory activities before each live class.

2

Attend the virtual class

Join two instructor-led virtual classes each week. Each class lasts two hours and includes explanations, discussions and guided activities.

3

Check understanding

Complete quizzes, knowledge checks, short assignments or career research activities.

4

Apply the learning

Relate the subject to real aviation organisations, operational situations and career pathways.

FREE online pre-course

Registered learners receive a free introductory pre-course covering SkySave orientation, essential aviation terminology, programme expectations, virtual-class preparation and an initial career-interest activity. The pre-course is separate from the 16 hours of live tuition.

Fixed launching prices

Level 2: £100. Level 3: £150. These launching prices have already been discounted and no further discounts apply.

LEVEL 2

Introduction to Aviation Operations

Level 2 introduces learners to the structure of the aviation industry and the wide range of organisations and careers that support aircraft operations.

DURATION**4 weeks**

Two live virtual classes each week, two hours per class.

START AND FEE**2 October 2026 | £100**

Includes access to the free online pre-course.

WHO THIS PROGRAMME IS FOR

- New students exploring aviation
- School leavers considering aviation careers
- Career changers entering the industry
- Employees seeking broader aviation knowledge
- Learners preparing for Level 3 study

LEVEL 2 LEARNING OUTCOMES

- Describe the main parts of the aviation industry.
- Explain the different roles of airlines, airports and aviation service providers.
- Identify the basic principles of flight and the main parts of an aircraft.
- Describe the passenger journey through an airport.
- Explain the purpose of airport and airline operational departments.
- Identify the main functions of air traffic services and aviation authorities.
- Discuss cabin crew, ground operations, Air Force, military and drone careers.
- Recognise the importance of communication, navigation, safety and regulation.
- Compare different aviation career pathways.
- Produce an initial personal aviation career plan.

Completion outcome

Build a broad aviation foundation, understand the range of career sectors and identify the pathway that best matches your interests and strengths.

LEVEL 2 SYLLABUS

Week 1 - Sessions 1 and 2

The Aviation Industry

- What aviation is and why it matters
- Civil, commercial, private, military and unmanned aviation
- The global air transport system
- Airlines, airports and aviation service providers
- Passenger and cargo aviation
- National and international aviation organisations
- How aviation organisations work together
- Introduction to aviation career sectors

Aircraft and Principles of Flight

- Main aircraft types
- Fixed-wing and rotary-wing aircraft
- Basic principles of flight
- Lift, weight, thrust and drag
- Main parts of an aircraft
- Introduction to aircraft systems
- Flight deck and cabin areas
- Aircraft manufacturers and operators
- Introduction to aircraft maintenance

LEVEL 2 SYLLABUS

Week 2 - Sessions 3 and 4

Airlines and Airline Operations

- Types of airlines
- Scheduled, charter, cargo and low-cost operations
- Airline departments and responsibilities
- Airline operations control
- Flight planning awareness
- Ground operations
- Passenger services and cargo operations
- Airline customer service
- Introduction to airline career opportunities

Airport Operations

- Different types of airports
- Landside and airside areas
- Terminal operations and the passenger journey
- Check-in, security screening and boarding
- Baggage handling and ground handling
- Aircraft turnaround
- Ramp operations awareness
- Airport safety culture and emergency awareness
- Airport operations careers

LEVEL 2 SYLLABUS

Week 3 - Sessions 5 and 6

Air Traffic Services and Aviation Authority Roles

- Introduction to airspace
- The purpose of air traffic services
- Air traffic control and flight information services
- Aerodrome operations
- Communication between pilots and ground services
- The role of Civil Aviation Authorities
- Safety oversight and regulation
- Licensing and competency requirements
- CAA and aviation authority careers
- Introduction to ATSEP roles

Cabin Crew and Airline Careers

- The role of cabin crew
- Safety and customer-service responsibilities
- Cabin preparation and passenger boarding
- Communication and teamwork
- Ground operations and passenger-service roles
- Flight operations and operations-control careers
- Flight dispatch awareness
- Airline management and support roles
- Personal qualities required by aviation employers

LEVEL 2 SYLLABUS

Week 4 - Sessions 7 and 8

Air Force, Military Aviation and Drones

- Introduction to military aviation
- Air Force career pathways
- Military flight and ground-support roles
- Engineering and technical careers
- Air traffic and operational roles
- Search-and-rescue awareness
- Unmanned Aircraft Systems
- Commercial and public-service uses of drones
- Drone operator and support careers
- Safety, regulation and emerging technologies

Communication, Navigation, Safety and Career Pathways

- Aviation communication
- Basic navigation and surveillance concepts
- Aviation safety culture
- Human factors awareness
- Teamwork and professional behaviour
- Identifying personal strengths
- Comparing aviation career pathways
- Education and training requirements
- Preparing an initial career action plan
- Programme review and preparation for Level 3

LEVEL 3

Aviation Operations

Level 3 develops a deeper understanding of aviation organisations, operational departments and specialist career pathways. It introduces the coordination, information, safety and decision-making processes that support aviation operations.

DURATION**4 weeks**

Two live virtual classes each week, two hours per class.

START AND FEE**9 November 2026 | £150**

Suitable for Level 2 graduates or equivalent experience.

SUITABLE ENTRY ROUTES

- Completion of the Level 2 programme
- Completion of another introductory aviation course
- Equivalent introductory aviation knowledge
- Relevant aviation employment with a need to broaden operational understanding

LEVEL 3 LEARNING OUTCOMES

- Explain how aviation authorities and operational organisations interact.
- Describe the principles of aviation governance and safety management.
- Explain the main functions of airline and airport operations.
- Describe the purpose of operational control and flight dispatch.
- Explain the roles of air traffic services and ATSEP personnel.
- Recognise the importance of meteorology and aeronautical information.
- Discuss the contribution of cabin crew, MRO and drone operations.
- Use appropriate introductory aviation terminology and professional English.
- Analyse a basic aviation operational scenario.
- Produce a structured aviation career action plan.

Completion outcome

Develop broader operational understanding and create a structured progression plan towards a specialist aviation pathway.

LEVEL 3 SYLLABUS

Week 1 - Sessions 1 and 2

WEEK 1

SESSION 1

Aviation Authorities and Governance

- International and national aviation structures
- The role of Civil Aviation Authorities
- Aviation standards and recommended practices
- Operator and service-provider responsibilities
- Certification, licensing and competency awareness
- Regulatory oversight
- Audits and inspections awareness
- Organisational accountability and professional standards
- Aviation authority career routes

WEEK 1

SESSION 2

Safety Management and Human Factors

- Aviation safety principles
- Safety policy and organisational responsibility
- Hazard identification and risk awareness
- Safety reporting and just culture
- Human performance
- Fatigue and situational awareness
- Communication and teamwork
- Learning from operational events
- Introduction to safety-management careers

LEVEL 3 SYLLABUS

Week 2 - Sessions 3 and 4

WEEK 2

SESSION 3

Airport Operations

- Airport organisational structures
- Airside and landside coordination
- Terminal and passenger operations
- Apron and ramp activities
- Ground handling
- Aircraft turnaround coordination
- Airport capacity and resource planning awareness
- Emergency planning awareness
- Operational communications and airport performance
- Airport operations career pathways

WEEK 2

SESSION 4

Airline Operations and Operational Control

- Airline organisational structures
- Network and schedule awareness
- Operations-control centres
- Flight monitoring
- Crew and aircraft coordination
- Disruption management
- Passenger and cargo considerations
- Operational communications
- Decision-making and escalation
- Airline operations career pathways

LEVEL 3 SYLLABUS

Week 3 - Sessions 5 and 6

WEEK 3

SESSION 5

Air Traffic Services and ATSEP

- Air Traffic Management
- Air traffic control services
- Flight information and alerting services
- Aerodrome, approach and area operations
- Airspace organisation
- Pilot and controller coordination
- Communication, navigation and surveillance systems
- Air Traffic Safety Electronics Personnel
- Technical support and system reliability
- ATS and ATSEP career pathways

WEEK 3

SESSION 6

Flight Dispatch and Operational Decision-Making

- The role of the flight dispatcher
- Operational flight planning
- Route and airspace considerations
- Aircraft performance awareness
- Fuel-planning awareness
- Weather considerations
- Notices and operational information
- Flight monitoring
- Disruption and contingency awareness
- Coordination with pilots and operations control
- Flight dispatch career pathways

LEVEL 3 SYLLABUS

Week 4 - Sessions 7 and 8

WEEK 4

SESSION 7

Aviation Information and Specialist Operations

- Aviation meteorology
- Weather information used in operations
- Aeronautical Information Services
- Operational notices and briefing information
- Aviation English and standard terminology
- Cabin crew operational responsibilities
- Maintenance, Repair and Overhaul
- Continuing airworthiness awareness
- Drone and unmanned-aircraft operations
- Emerging specialist aviation roles

WEEK 4

SESSION 8

Professional Development and Career Action Planning

- Comparing specialist aviation pathways
- Understanding job descriptions
- Identifying transferable skills
- Professional conduct
- Communication and interview preparation
- Training and competency requirements
- Building an aviation CV
- Creating a professional development plan
- Selecting a Level 4 specialisation
- Final programme review and career presentation

LEARNING AND COMPLETION

Assessment, resources and learner support

Assessment supports learning and checks understanding throughout the programme. Activities are practical, accessible and connected to real aviation organisations and career pathways.

ASSESSMENT METHODS • Online quizzes and knowledge checks • Short written activities • Class participation • Scenario-based exercises • Career research • Learner presentations • Personal development planning • Final programme review	SKYSAVE LEARNING RESOURCES • Video lessons and presentation materials • Reading activities and aviation diagrams • Terminology and career guides • Operational examples • Quizzes and knowledge checks • Downloadable learning materials
LEARNER SUPPORT • SkySave orientation • Instructor guidance during live classes • Support with programme access • Learning feedback • Career-pathway and progression guidance	LEARNER REQUIREMENTS • A computer, tablet or suitable device • Reliable internet and email access • A suitable environment for live classes • Basic digital-learning skills • Sufficient English to participate • Willingness to complete independent online study

Certificate of Completion

Learners who complete the assigned SkySave learning, participate in the virtual classes and complete the required activities and knowledge checks will receive a Takeoff Aviation Academy Certificate of Completion.

Programme status

These career pathway programmes do not by themselves issue an aviation licence. Licensing, employment and specialist competency requirements depend on the selected career, employer and relevant aviation authority.

YOUR NEXT STEP

Progress from awareness to specialisation

The pathway is designed to help learners build knowledge in stages and make informed choices about further aviation study and professional development.

LEVEL 2	Introduction to Aviation Operations	Build broad aviation knowledge and identify possible career directions.
LEVEL 3	Aviation Operations	Develop deeper operational knowledge and create a structured career plan.
LEVEL 4	Specialist Progression	Progress towards further study specialising in a chosen aviation pathway.

POSSIBLE LEVEL 4 AND SPECIALIST AREAS

- Airport Operations and Airline Operations
- Air Traffic Services and ATSEP
- Flight Dispatch and Operational Control
- Cabin Crew
- Maintenance and MRO
- Drone Operations
- Aviation Safety and Aviation Management
- Other specialist aviation pathways

Further studies may be delivered online, through live virtual learning, as blended programmes or face to face in the UK and at selected regional training centres. Course formats and locations vary according to the programme and availability.

READY TO START?

Register or request the next cohort details

Use the enquiry or registration form below the landing page, or contact us through WhatsApp.

WHATSAPP

+44 7751 973175

Class dates, times, access and joining instructions are confirmed during registration.

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