



Air Service Training (Engineering) Ltd

Approved Training Course Edition 2024 -2025

Approved & Certified - CAA: UK147.0002 | EASA: 147.0174 | CAAN: 147.001

Welcome to AST

- 4 — Approved Training Course
- 7 — Understanding Category B Licencing
- 8-9 — Licence Categories
- 10 — What's included in your fees
- 11 — Our Airport Campus
- 12 — Using UHI Perth Campus
- 13 — Careers in Aviation Engineering
- 14 — Studying in Perth, Scotland
- 16 — Apply Today
- 18 — Our History



About us

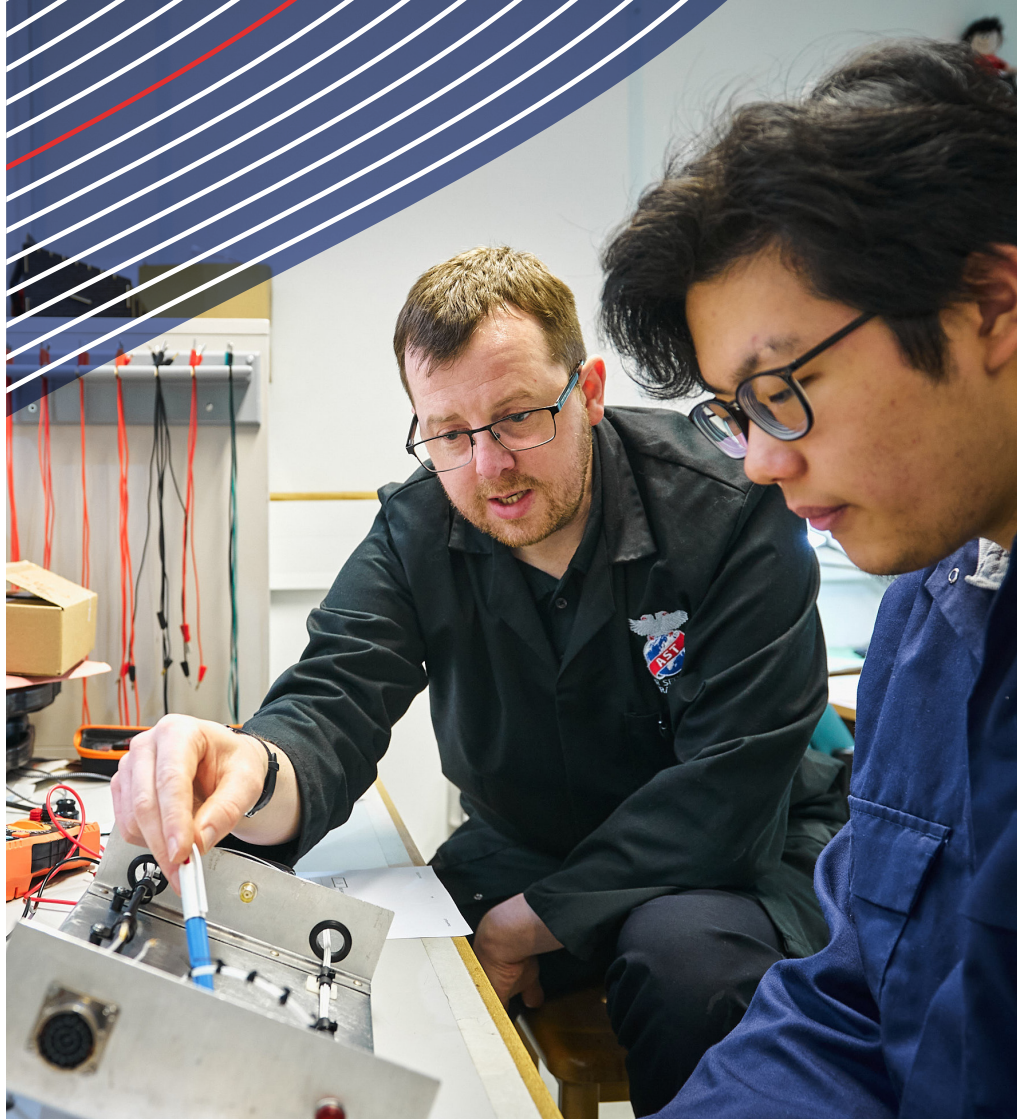
Air Service Training (Engineering), often referred to as AST, remains the world leader in the field of Aviation Training and Engineering since 1931, making us the longest running organisation of it's kind.

Training Engineers for one of the most demanding professions in the world, and in a forever growing industry, we need YOU!

From the beginning, AST is focused on delivering the highest standard of quality training, ensuring you get a kick start in your career to become a Aircraft Engineer.

Here at AST, we put our students first, operating at the highest ethical standards and ensuring our students learn essential skills and knowledge, as we have done for thousands of previous students.

www.airservicetraining.co.uk



Approved Training Course

Studying your Approved Training Course allows you to achieve your essential training, theory and practical, in order to achieve your Aircraft Engineering Licence.

The Part 66 Category B Approved Basic Training course, delivered by AST, is fully approved under the European Aviation Safety Agency Part 147 regulations and UK Civil Aviation Authority that govern all Aircraft Maintenance Training Organisations. The course is divided in to a 60:40 split; approximately 60% of the training is theory based and equips the student for the practical phases that follow.

During your training you will gain valuable insight, carrying out your practical work in a hangar where you will be shadowing a Licenced Aircraft Engineer. You will assist and learn aircraft engineering, how to maintain a logbook of all the work you have participated in through your time at AST, and gain the best hands on experience needed to pursue a career in Aircraft Engineering.

The practical element is given to the development of hand skills and aircraft maintenance techniques in our fully equipped training hangar and workshops. Part of the Approved Training Programme includes 8 weeks of Aircraft Maintenance Environment

Training that is conducted within a Part-145 environment under the training organisations Part 147 Approval and subject to satisfactory progress and meeting the requirements in place at the time.

AST works alongside many Airlines and Maintenance, Repair and Overhaul Organisations, within the UK and overseas. AST will make the arrangements for the Aircraft Maintenance Environment Training (AMET) placement towards the end of your course, subject to satisfactory progress and meeting the requirements in place at the time, fast tracking your career in Aircraft Engineering!



Basic Gas Turbines

130

SK-ROD

sky express



Understanding Category B Licencing

The Category B Licence is sub-divided into five categories, of which four are delivered by AST.

- **Category B1.1**
Aeroplanes Turbine – Mechanical
- **Category B1.2**
Aeroplanes Piston – Mechanical
- **Category B1.3**
Helicopters Turbine - Mechanical
- **Category B2**
Avionic

The Aircraft Maintenance Licence (AML) Category B1.1 (turbine aircraft), B1.2 (piston aircraft) and B1.3 (turbine helicopter) allows the holder to issue certifications of release to service, following maintenance, including aircraft structure, power plants and mechanical and electrical systems. Authorisation to replace avionic line replaceable units (LRUs) requiring simple tests to prove their serviceability is also permitted.

The Aircraft Maintenance Licence (AML) Category B2 allows the holder to issue certificates of release to service, following maintenance on avionic and electrical systems.

Licence Categories

The Approved Basic Training Course at AST offers the student the option of studying towards the B1.1, B1.2, B1.3 or B2 EASA Part 66 Aircraft Maintenance Licences.

B1.1 Fixed Wing Turbine Engine

Module 1	Mathematics
Module 2	Physics
Module 3	Electrical Fundamentals
Module 4B1	Electronics
Module 5B1	Digital Techniques
Module 6	Materials and Hardware
Module 7	Maintenance Practices
Module 8	Basic Aerodynamics
Module 9	Human Factors
Module 10	Aviation Legislation
Module 11	Aeroplane Aerodynamics, Structures and Systems
Module 15	Gas Turbines
Module 17	Propellers

B1.2 Fixed Wing Piston Engine

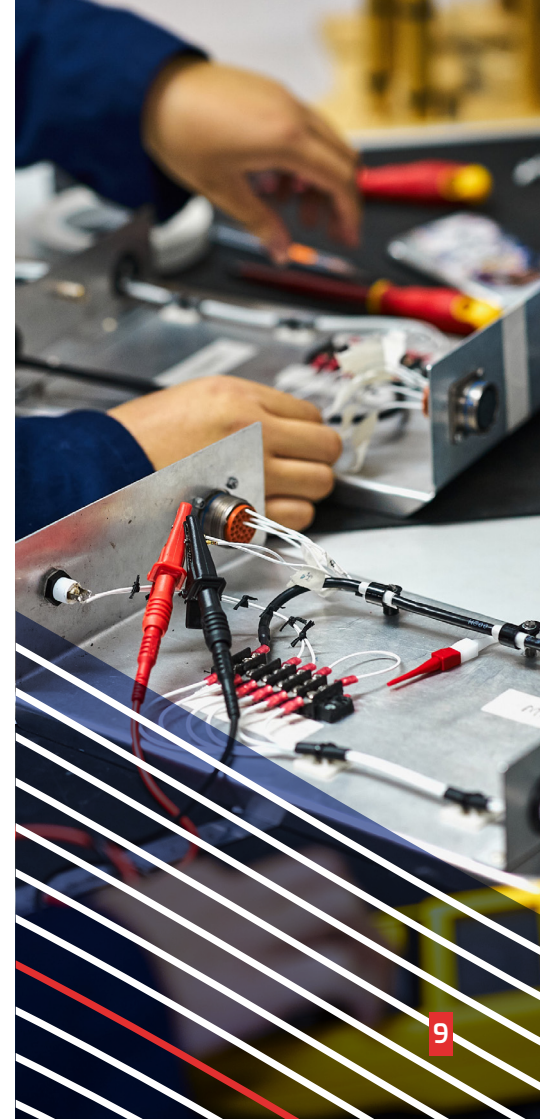
Module 1	Mathematics
Module 2	Physics
Module 3	Electrical Fundamentals
Module 4B1	Electronics
Module 5B1	Digital Techniques
Module 6	Materials and Hardware
Module 7	Maintenance Practices
Module 8	Basic Aerodynamics
Module 9	Human Factors
Module 10	Aviation Legislation
Module 11	Aeroplane Aerodynamics, Structures and Systems
Module 16	Piston Engines
Module 17	Propellers

B1.3 Rotary Wing Turbine Engine

Module 1	Mathematics
Module 2	Physics
Module 3	Electrical Fundamentals
Module 4B1	Electronics
Module 5B1	Digital Techniques
Module 6	Materials and Hardware
Module 7	Maintenance Practices
Module 8	Basic Aerodynamics
Module 9	Human Factors
Module 10	Aviation Legislation
Module 12	Helicopter Aerodynamics, Structures and Systems
Module 15	Gas Turbines

B2 Avionics

Module 1	Mathematics
Module 2	Physics
Module 3	Electrical Fundamentals
Module 4B2	Electronics
Module 5B2	Digital Techniques
Module 6	Materials and Hardware
Module 7	Maintenance Practices
Module 8	Basic Aerodynamics
Module 9	Human Factors
Module 10	Aviation Legislation
Module 13	Aircraft Aerodynamics Structures and Systems
Module 14	Propulsion



What's included in your fees

Included in your tuition fees are the following:

- AST Technical training material (electronic tablet), EASA/ UK CAA part 66 tuition,
- EASA/ UK CAA Part 66 Examinations
- Aircraft Maintenance Environment Training
- Personal Protection Equipment
- Unlimited WIFI access on campus
- Access to the Study Centre on our main campus
- Use of laptops, or desktops on our main campus
- Gym facilities (subscription based)
- Student services and welfare discounts.



Scan here for more
information
on fees and tuition.



Our Airport Campus

At our Perth Airport campus, we offer a Technical Training Hangar with classrooms, an Avionic Workshop, an Electrical Workshop, and a student crew room for breaks.

In the Main Hangar itself we have many different types of Engines and Aircraft which are used to develop your practical hands on skills during the course. These include 2 x CF6 Gas Turbine Engines, a Cessna 150, Cessna 310, Jetstream 41 aircraft, and 3 x AW109 Helicopters. On these aircraft you will complete practical assessments which will include electrical and/or mechanical based tasks. At this campus we also have a Sheet Metal Workshop where you will develop your skills in aircraft riveting and skin repair. There is a café situated at the Airport where you can purchase meals and hot and cold drinks.

www.airservicetraining.co.uk



Using UHI Perth Campus

AST also operates from UHI Perth Campus, so you have access to Study Centre, Student Support & Classrooms.

Within the UHI Perth campus you will have access to the Study Centre, Student Support, Student Counselling, Student Events, IT Suite and Library. There is a refectory which offers a range of different meal options to cater for the many different dietary and cultural beliefs. The refectory area has a shop where you can purchase

refreshments, also on campus there is a Costa Coffee and Starbucks. The main campus is home to the Academy of Sport and Wellbeing (ASW), this is a state-of-the-art gymnasium and features the latest equipment. Within the ASW you will also can train on the Climbing and Bouldering Walls. There are many different sports groups within ASW that you can participate in, and there is also a large sports hall which can be hired for football, basketball, badminton and much more (note a subscription fee is applicable)

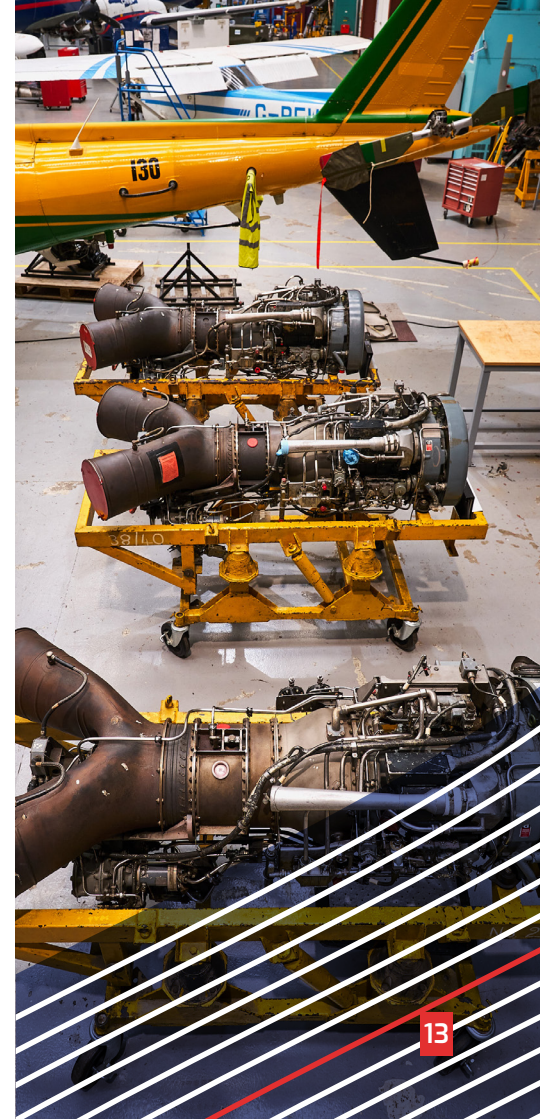


Careers in Aviation Engineering

Careers in aviation expand beyond many industries, but Aircraft Engineering plays a crucial role in ensuring the safety and efficiency of aircraft travel.

Points to Consider Regarding Career Opportunities:

- Licensed Aircraft Engineers can earn £75,000 or more annually. With flexible shift schedules, you can enjoy a significant amount of time off.
- The demand for Licensed Aircraft Engineers remains high due to the ongoing growth in the aviation industry. Opportunities to work for major companies like British Airways, Ryanair, Jet2, and others are potentially available.
- The role of Aircraft Engineers is vital in ensuring the safety and reliability of air travel, as planes cannot fly without their expertise and professional diligence.



Studying in Perth, Scotland

Perthshire is one of the most attractive and diverse counties in Scotland. From the lush farmland of the south to the rocky rivers and mountains of Highland Perthshire, to it's vibrant night life, it has everything to offer.

Perthshire is one of the most attractive and diverse counties in Scotland. From lush farmland of the south to the rocky rivers and mountains of Highland Perthshire, it is a stunningly beautiful place to be. Perth is located 50 miles north of Edinburgh and enjoys a beautiful position on the banks of Scotland's longest river, the Tay, at 119 miles. We have snow-topped mountains that attract skiers and climbers from all over the UK, fast-

flowing rivers for enjoying adventure sports, tranquil lochs for escaping the rush of modern life, vibrant nightlife and an abundance of beautiful forests and gardens.

Perthshire is steeped in history, too. Step inside a Crannog on Loch Tay or visit the former crowning place of Scotland's kings and queens at Scone Palace. Take a boat trip to where Mary Queen of Scots was imprisoned, or visit the spot where King James I met with a dramatic fate in 1437. Modern-day Perthshire is, thankfully, a much more cheerful place to be! When we're not dancing to drums and rousing music, tossing a caber or sampling delicious local cuisine, were celebrating our heritage and culture





Apply Today

UK Students



1

Scan the QR code, this will take you directly to the Approved Training Course Page.



2

Click Apply Now, enter your details.



3

AST will get back to you within 2 working days.

International Students



1

Scan the QR code, this will take you directly to the Approved Training Course, under the section 'international students' Page.



2

Click Apply Now, enter your details and AST will get back to you within 2 working days.



3

Please ensure you have passport and qualifications ready for a fast and easy application.



Our History

Founded in 1931 by John Davenport Siddeley, in Hamble, Hampshire, AST has trained over 190,000 Engineers from around 150 countries!

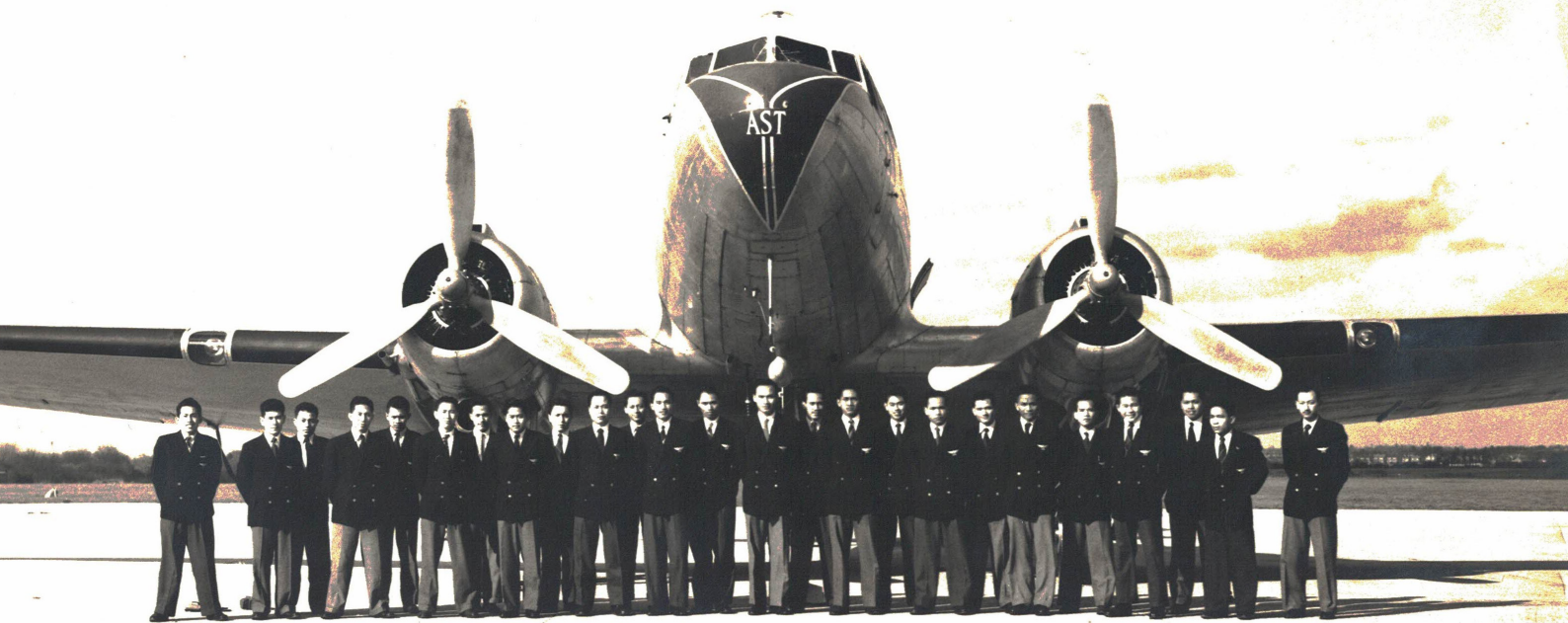
The Aeronautical Engineering College, founded by John Davenport Siddeley opened in 1931 at Hamble in Hampshire. AST operated from Hamble until 1960, when it moved to its current home on the campus of UHI Perth. During its history, AST has trained over 190,000 engineers and pilots from 150 countries. As you might expect from such a long-standing organisation, AST has an impressive list of famous aviators as Mrs Victor Bruce, the first female pilot to circumnavigate the globe; Amy Johnson, famous for her record breaking flights to Australia and Japan, and Sir Alan Cobham, founder of the famous 'flying circus' and the Cobham Company which is still trading internationally today.

AST was one of the first schools to be approved for JAR-147 to offer the Jar-66 Ab-Initio course. It later gained approval under EASA Part 147 regulations and has provided training and exams for various national and international companies.

Companies you may recognise...

- ACS Flight Training
- Affinity Flight Training Services
- Air Seychelles
- Airtask
- Air Mauritius
- Aurigny Air Services
- Babcock International Group
- Bristow Helicopters Ltd
- British Airways
- Eastern Airways
- EasyJet
- Heliair
- Jet 2
- Kuwait Airways
- Loganair
- Multi-Flight
- NHV Helicopters
- PDG Helicopters Ltd
- Ryanair





AS A REMEMBRANCE FROM ALL THE
Indonesian Students
HARBIE A.S.T. 10 JUNE 1954.



www.airservicetraining.co.uk

+44 (0) 1738 877105

info@airservicetraining.co.uk

