



Air Service Training

EASA Approved Training Course



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Who are AST?

Air Service Training (AST) is a wholly owned subsidiary of UHI Perth, part of the University of the Highlands and Islands (UHI). AST remains a world leader in the field of Aviation training and has been since 1931, making it arguably the longest running organisation of its kind.

Training Engineers for one of the most demanding professions in the world requires a very special approach and complete dedication to the highest safety standards. From the earliest beginnings, AST has focused on the delivery of high quality training ensuring the most stringent of safety standards.

Air Service Training Ltd or AST as it is often referred to, is the longest established organisation of its type in the world, and is the premier provider of aviation training solutions worldwide.

Delivering its services to the global aviation industry and military formations for over 85 years, AST maintains the highest standards in all of its business activities which was recognised by the presentation of the highly prestigious Queens Award for International Trade in 2015.

Using this partner relationship ethos, the company seeks to pro-actively meet all student needs and aspirations.

AST operates to an ethical business practice using Industry standards, and a 'people first' philosophy, placing the student at the centre of any activity.

Aviation is at the forefront of advances in technology and is the most advanced form of transport in the world, it therefore demands from its practitioners a high level of skill combined with a thorough underpinning knowledge.

At AST we put the student at the centre of all we do, and we will help you to develop essential skills and knowledge, as we have done for many thousands before.

You can rest assured that whether it's training, pastoral care, or social events, AST staff are here to help you develop, to learn, and of course to enjoy your time.

A training organisation will not be judged by its facilities or location alone, but by the quality of its graduates, AST has a long list of alumni, all proud to state "I was trained at AST".



The AST Team

Our lecturers have over 300 years of collective experience in aircraft engineering spheres, in both civil and military environments, including hands-on maintenance, maintenance management, project management, aviation training and product design.

- AST has a large number of lecturers ensuring that each subject can be covered by the most knowledgeable person in that particular field.
- AST works with established and well known partners in the Aviation Training Industry to provide additional services in-house.
- AST lecturers have a variety of backgrounds including both Military and Civil Aviation.
- All AST lecturers hold the same or higher qualifications and/or licence for which they are teaching.
- Teaching staff are able to put their experience to good use in classroom and practical training areas, and use this to enhance the student learning experience.
- In addition to their engineering skills and experience, many staff hold a professional teaching qualification and there is a programme of staff development to ensure that their skills remain appropriate to changing industry and regulatory needs.
- In addition to their primary teaching role, teaching staff also act as mentors to students, and can offer general or expert guidance where necessary on a range of topics.



History of AST

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 amongst the first schools to receive JAR-147 approval to deliver and assess the Jar-66 Ab-Initio course. Since that time it has gained approval under the EASA Part 147 regulations and has provided training and examinations to many major national and international companies, such as:

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



Additionally, AST has been the preferred training provider for aircraft engineer licensing for several military and governmental organisations, including:

- Bahrain Defence Force
- Botswana Defence Force
- British Army Air Corps
- Falkland Island Government Air Service
- Ghana CAA
- Kenyan Police Air Wing
- Kuwait Air Force
- Kuwait Ministry of the Interior
- Royal Air Force Oman
- Royal Brunei Airlines
- Royal Flight of Oman
- Qatari Emiri Air Force
- United Arab Emirates Air Force and Air Defence





Perth is the Place

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, it is a stunningly beautiful place to be. Our landscapes are truly amazing. 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, and an abundance of beautiful forests and gardens. Not forgetting the world's highest beech hedge and the UK's oldest tree!

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, we're celebrating our heritage and culture.

Our Campus

AST operates from two campus locations which comprise of the UHI Perth Campus and our Technical Training Hangar which is located at the Perth Airport campus.

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 also boasts 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 take part 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.



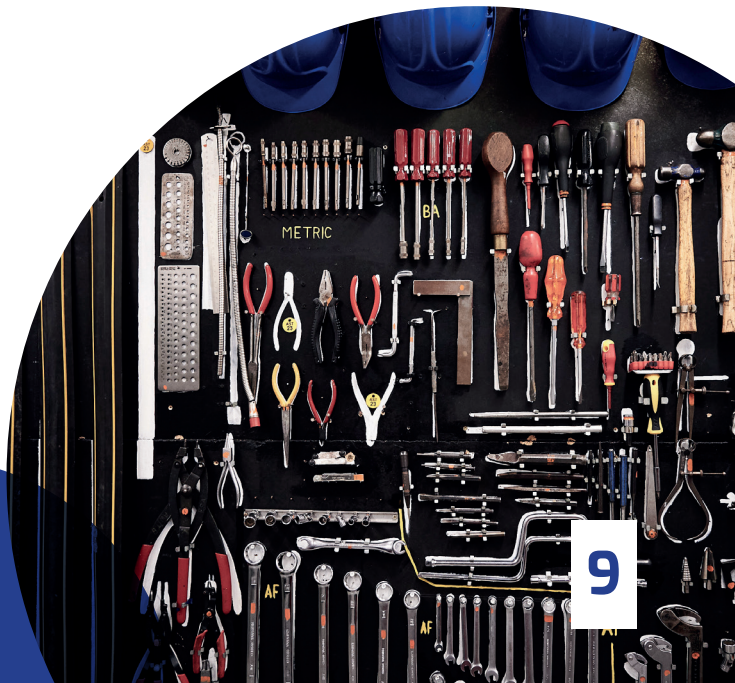
Airport Campus

At our Perth Airport campus, we have our Technical Training Hangar, Inside the hangar we have several classrooms, an Avionic Workshop and an Electrical Workshop, we also have a student crew room where you can enjoy your breaks.

In the Main Hangar itself we have many different types of Engines and Aircraft which are used to develop your practical 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 we shall 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.



EASA Part 66 Approved Training Course Category 'B'

The Category 'B' Licence

An EASA Category B Licence permits the holder to issue certifications of release to service of aircraft following maintenance of aircraft structures, power plant, mechanical or avionic systems and electrical systems.

The Part 66 Category B licence confers upon its holder the privilege of certifying all tasks within their licence category. The technician or engineer, certified by the Aircraft Maintenance Licence, may be specialised according to the maintenance activities performed.

Certification is required following maintenance, before an aircraft is returned to service.

The Part 66 Category B Approved Basic Training course, delivered by AST, is fully approved under the European Aviation Safety Agency Part 147 regulations 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.

The 40% 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 with several Airlines and MRO's, within the UK and overseas, and AST will make the arrangements for the AMET placement towards the end of your course, subject to satisfactory progress and meeting the requirements in place at the time.

During your training you will gain valuable insight into working in a live Part 145 maintenance hangar where you will be shadowing a Licenced aircraft engineer, you will assist and also learn from the engineer maintaining a logbook of the work you have participated in over the 8-week period.



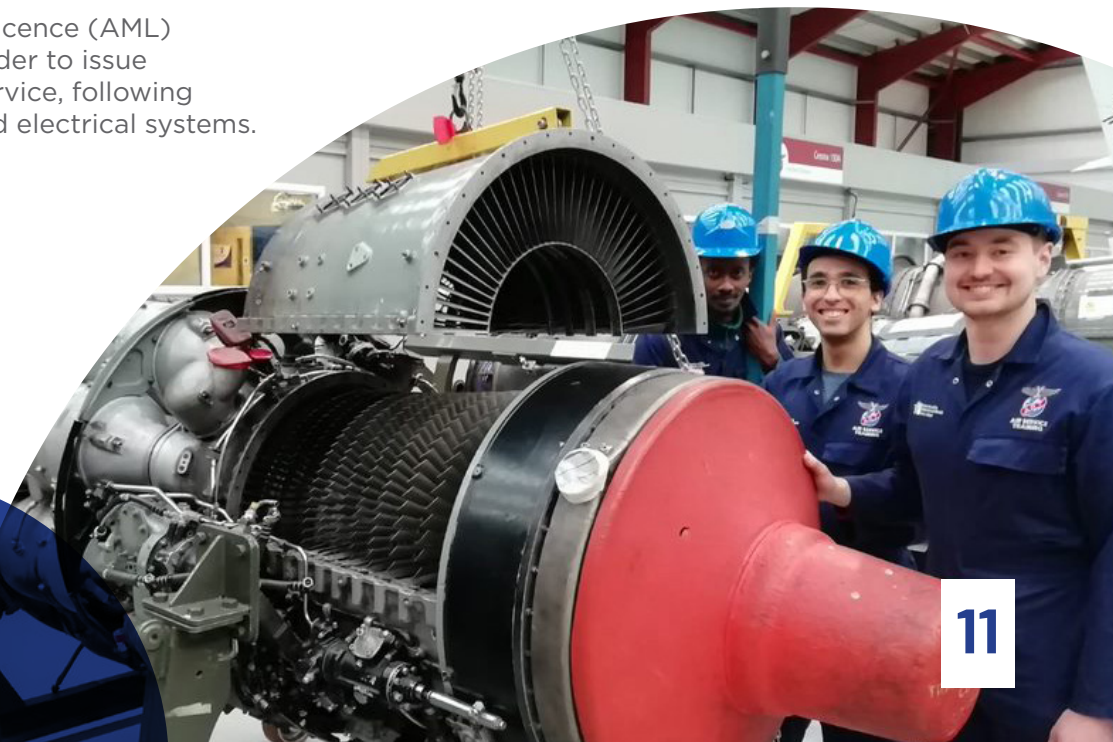
Category B Licensing Sub-categories

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

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



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 and these are detailed below.

Module	B 1.1	B 1.2	B 1.3	B 2
1	X	X	X	X
2	X	X	X	X
3	X	X	X	X
4	X	X	X	X
5	X	X	X	X
6	X	X	X	X
7	X	X	X	X
8	X	X	X	X
9	X	X	X	X
10	X	X	X	X
11	X	X		
12			X	
13				X
14				X
15	X		X	
16		X		
17	X	X		

What is Included?

Included in your tuition fees are the following items:

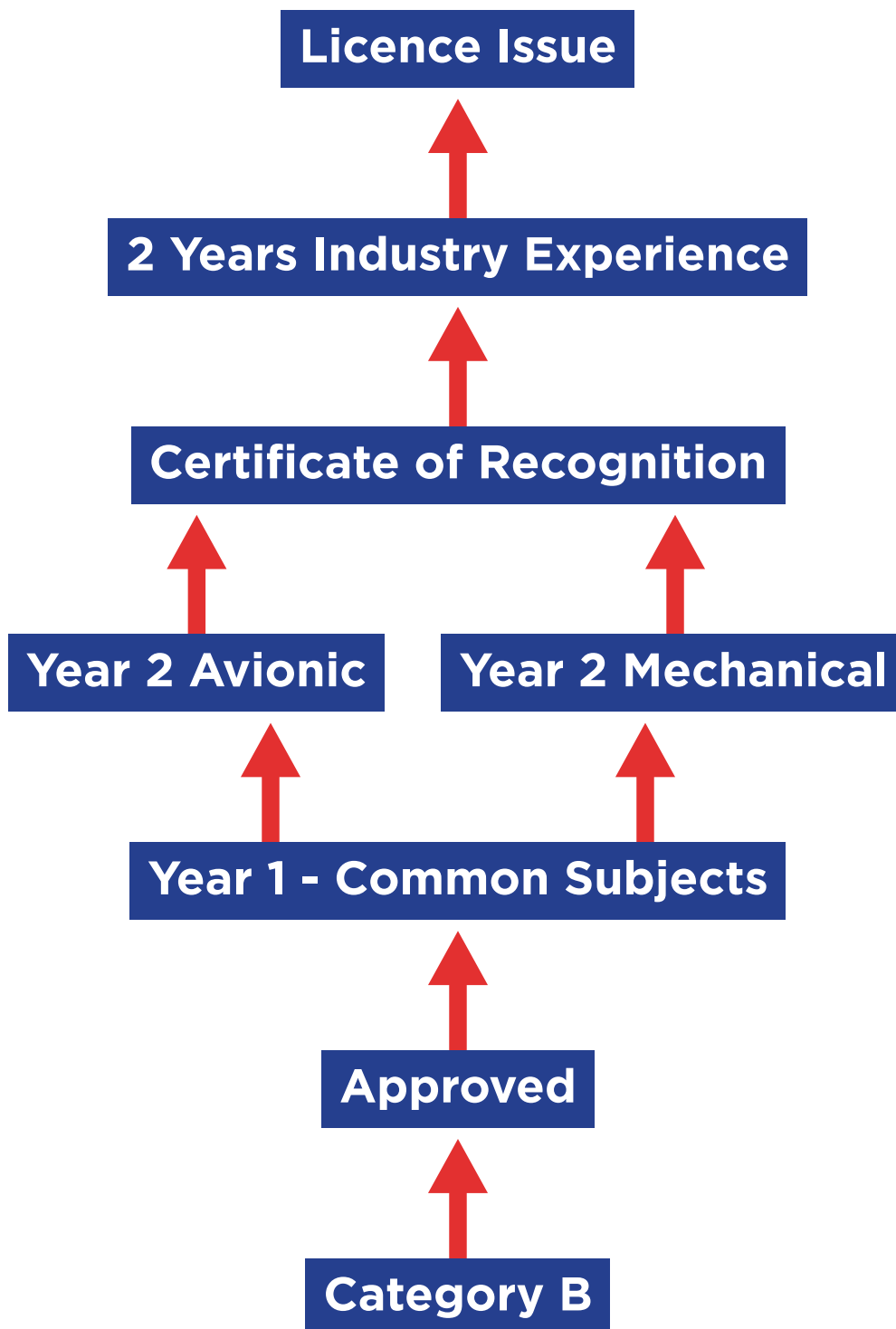
- AST Technical Training Materials
- EASA Part 66 Tuition
- EASA Part 66 Examination
- AMET Training
- Personal Protection Equipment
- Unlimited Free Wi-Fi access on campus
- Access to the Study Centre on the main campus
- Use of Desktop PC's on main campus
- Access to on campus gym facilities (subscription based)
- Student Services

In addition to the above we will enrol you on our Secure Records System and this will enable you to access your course progress throughout your training. The system will detail all your personal contact information, course attendance, class assessment results and your Examination results.

This system is accessible via mobile (cell) phone, PC and tablet devices and if you consent to your parent(s), legal guardian(s) or another party accessing your training information we can setup a login for them.

EASA Part 66 - Category B Progression Route

Pictured below is a view of the path to achieving your EASA Part 66 Category 'B' Licence.



How to apply in 9 easy steps

01



Find out about the Courses that are on offer.

02



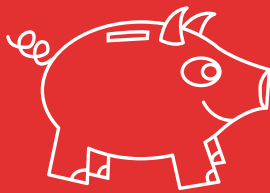
Visit AST Facilities or Contact AST for more information.

03



Complete the relevant course application form.

04



Submit Payment or Letter of Official Sponsorship to AST.

05



Receive our Conditional/ Unconditional Offer.

06



We will issue you with a CAS* to allow you to apply for your Visa**

07



Submit your Visa Application.**

08



Arrival in the United Kingdom.*

09



Start your course with AST.

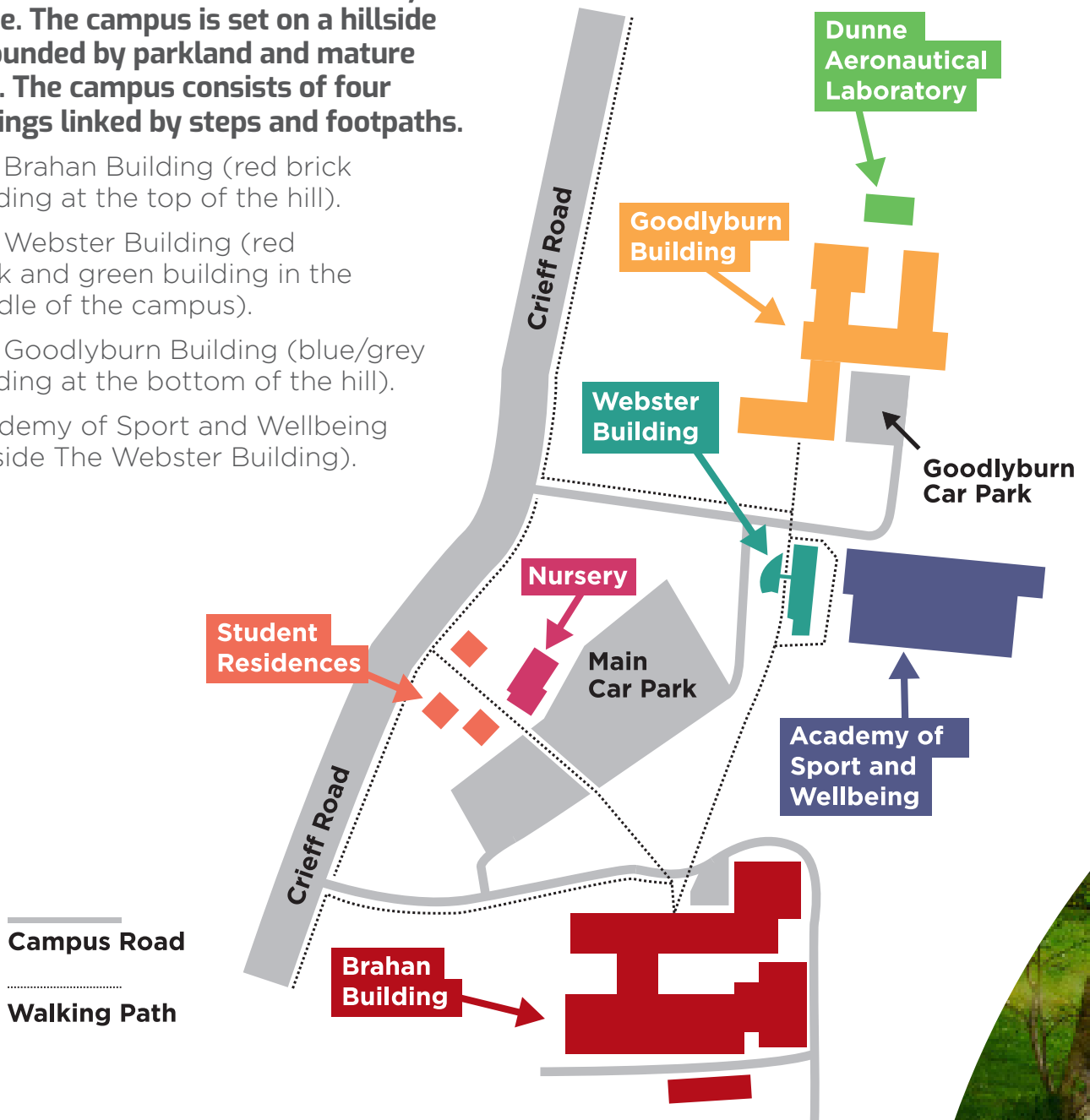
* Confirmation of **A**cceptance for **S**tudies

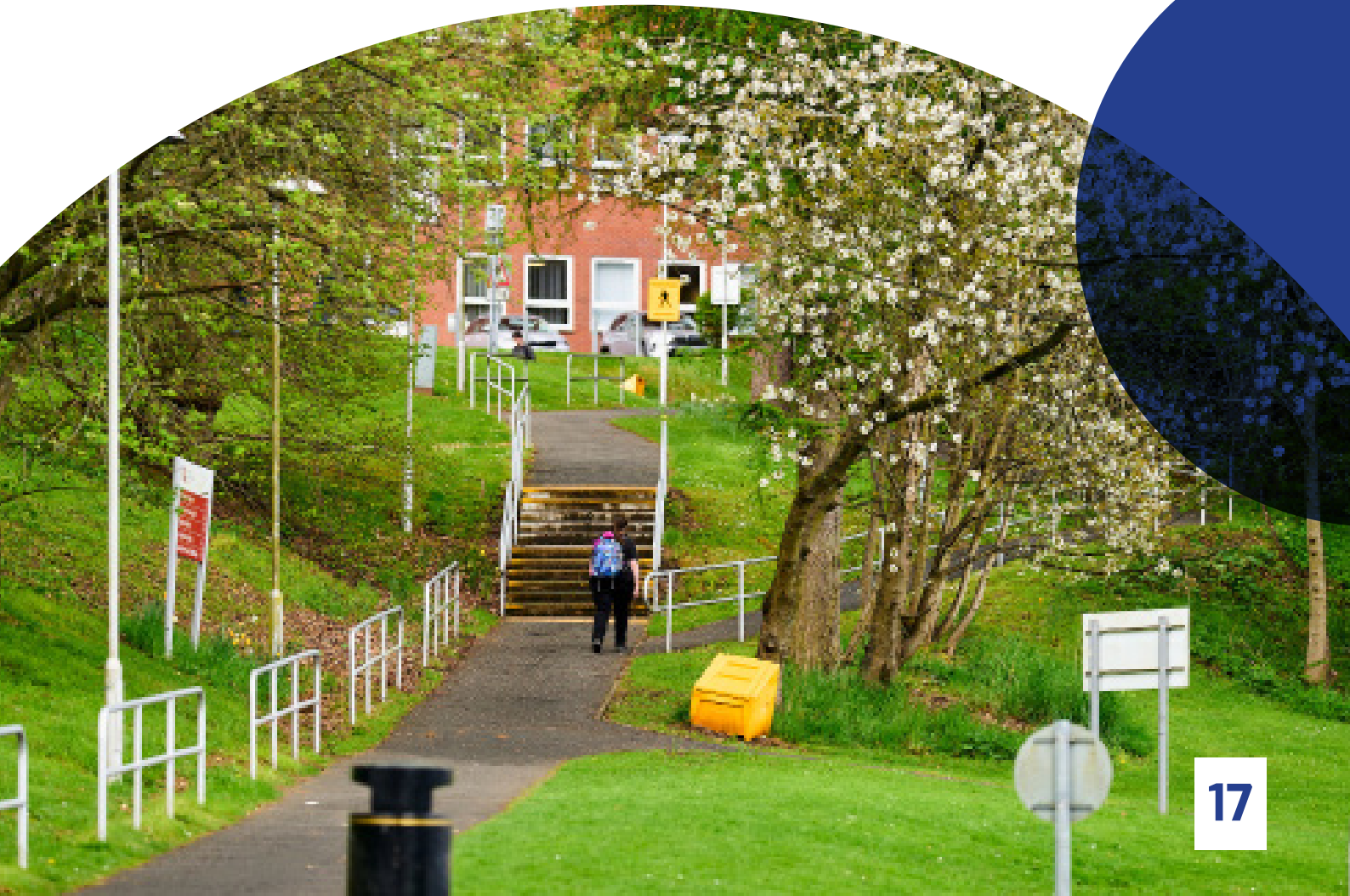
**If Applicable

How to find us

AST is located within Brahan Building about 25 minutes walk from the city centre. The campus is set on a hillside surrounded by parkland and mature trees. The campus consists of four buildings linked by steps and footpaths.

- The Brahan Building (red brick building at the top of the hill).
- The Webster Building (red brick and green building in the middle of the campus).
- The Goodlyburn Building (blue/grey building at the bottom of the hill).
- Academy of Sport and Wellbeing (beside The Webster Building).





What our students say...



"I wanted to join AST as I was aware of their reputation for providing excellent training and that has certainly been the case so far.

During my time at AST I have gained a huge amount of knowledge and have been able to pass exams with very good results.

The lecturers all have many years of experience working on aircraft which makes for an ideal learning experience.

It takes a lot of individual hard work and motivation but ultimately it is worthwhile and I couldn't think of a better place to study than AST."

Josh Dutson



"I have been studying at AST school for a few months, and I have to say that I am really enjoying it.

The instructors are great and very experienced. They always make sure that we understand the material before moving on to the next lesson.

I also love how organized AST is! Everything is very well organized in terms of learning material and class structure and schedules, which makes it easy for me to stay on track with my studies."

Wendy Ochieng



"AST organised on the job training with British Airways Maintenance Glasgow which not only gave me an insight in to working at a Part 145 organisation, but also gave me an opportunity to really take advantage of everything I had studied and worked for."

Calum Miller



"Overall, I really enjoyed AST as a place to study with its diverse and multicultural learning environment. My course had an enjoyable split between practical and theory classes and also the lecturers are amazing, they would always go the extra mile not just individuals but for everyone."

Kristian Pierotti



"The teachers, administration staff, everyone out here, they are always there smiling, caring, giving the best of guidance , willing to help you no matter what. It was my dream to study here after getting to know about it and there is no denying that it was one of the best decisions of my life that I made."

Ehsan Sehgal



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