

ASI AIR & SPACE  
INSTITUTE





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# WHAT IS THE ASI?

## World class training for the air and space industry

The Air & Space Institute (ASI) is an innovation hub that trains people to enter the air and space industry.

Our training programmes at ASI are structured with clear progression routes into the workplace, starting from Level 2 and advancing through to Level 5.

The Institute proudly operates in partnership with industry giants such as the RAF and Babcock aiming to fill critical job roles for cabin crew, pilots and engineers. These roles span across airlines, the military, airports, and logistics companies both within the UK and internationally. Our close collaboration with these industry leaders ensures that our training is not only relevant but also highly sought after in the job market.

Our education and training are delivered by industry experts who bring years of flying and aircraft engineering experience to the table. Their extensive knowledge and hands-on experience in the air and space sector provides our students with invaluable insights and a practical understanding of their chosen fields. This expertise ensures that our graduates are not only academically equipped but also possess the practical skills and experience needed to excel in their careers.

At ASI, we have strong international partnerships with the Air & Defence Colleges (ADI) and The Inspection Technology and Quality Assurance National Institute (ITQAN) in Saudi Arabia, this presents fantastic learning opportunities that extend internationally for students.

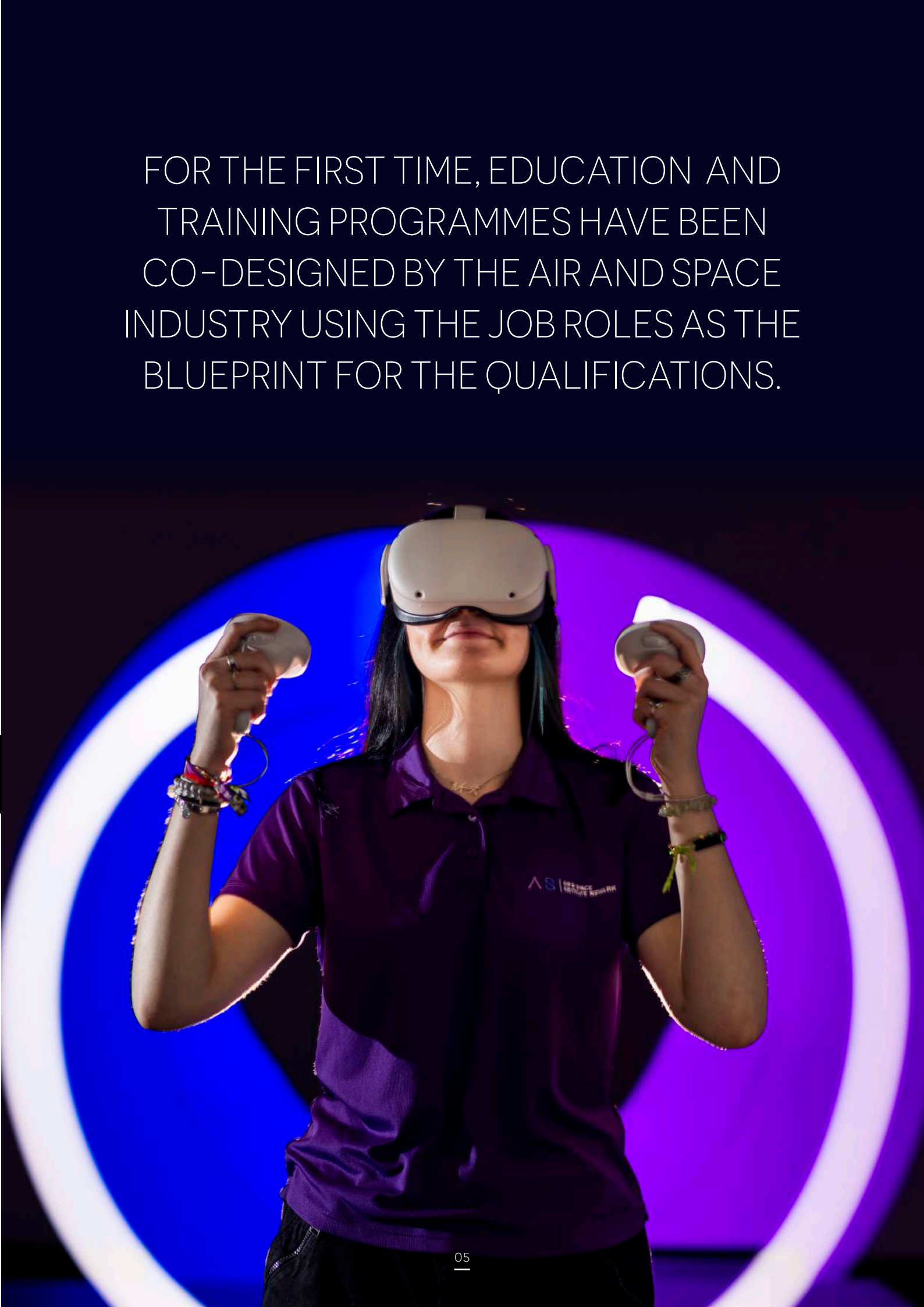


## OUR INDUSTRY SUPPORTERS

At the Air and Space Institute, our mission is to deliver technology-focused education that closely aligns with industry needs, seamlessly integrating academic learning with practical insights.

Our strategic partnerships with both national and international aviation companies are instrumental in enhancing the learning experience for our students. These alliances provide industry-driven education, granting students access to cutting-edge industry knowledge and opportunities.

Additionally, we are dedicated to supporting students throughout their studies, opening potential routes for employment or apprenticeship training, ensuring they are well-prepared for their future careers.



FOR THE FIRST TIME, EDUCATION AND TRAINING PROGRAMMES HAVE BEEN CO-DESIGNED BY THE AIR AND SPACE INDUSTRY USING THE JOB ROLES AS THE BLUEPRINT FOR THE QUALIFICATIONS.



# STATE-OF-THE-ART FACILITIES

## Get hands-on in real learning environments

In April 2024, the Air and Space Institute officially opened its doors to students. The £15.4m state-of-the-art facility is now home to all our ASI pathways.

The facility, situated in the heart of Newark adjacent to the Newark and Sherwood District Council offices, stands as a testament to collaboration and vision. The Towns Fund project, born from a desire to enhance educational and employment prospects, has transformed Newark into a hub of innovation and aspiration.

ASI boasts cutting-edge infrastructure designed to simulate real-world scenarios. Our impressive Airbus A320 Neo, parked in the ASI hangar, provides excellent hands-on training across many of our pathways. This decommissioned aircraft was recently flying across Europe for Air France.

Travel & Tourism students can practise emergency procedures and customer service for cabin crew roles, Engineering students apply their theoretical knowledge through aircraft maintenance tasks, while Pilot students can use the flight deck area to simulate a real flight – preparing them for their future careers.

From dedicated workshops and state-of-the-art ALSIM flight simulators to VR headsets, Pennant hydraulic system trainers, and robotic arms, every aspect of the facility is designed to equip students with practical skills and industry-relevant knowledge.

### Ideal location

Due to its proximity to major cities in the East Midlands, Newark is incredibly easy to commute to. With Newark Castle train station located next to the ASI campus, and Newark Northgate just a short walk away, many students choose to live further afield and travel in to study with us.

We also offer an excellent transport offer to support students and assist them on their educational journey – find out more on pages 48-50.





# OUR PATHWAYS

There are a number of training pathways to choose from to get you industry ready:

## Pilot

Leading to options including commercial, private, helicopter, RPAS as well as other aviation-related fields.

## Space

Leading to space roles including satellite technician, spacecraft technician, launch vehicle technician, mission planner, communication engineer, cyberspace communications specialist.

## Travel & Cabin Crew

Leading to options including cabin crew, travel agent, tour guide, aviation security officer, airport operations officer, customer service operative, air & ground steward.

## Aircraft Engineer

Leading to options including aircraft line mechanic, aircraft technician, design engineer, licensed engineer, aerodynamics engineer and propulsion engineer.

## Uniformed Public Services

This academic route can lead to a range of careers in the Armed forces or emergency services.

## Industry forecasts job roles

Number of Pilots Globally +

763,000

Jan 2022 - 2029

Number of Engineers & Technicians Globally +

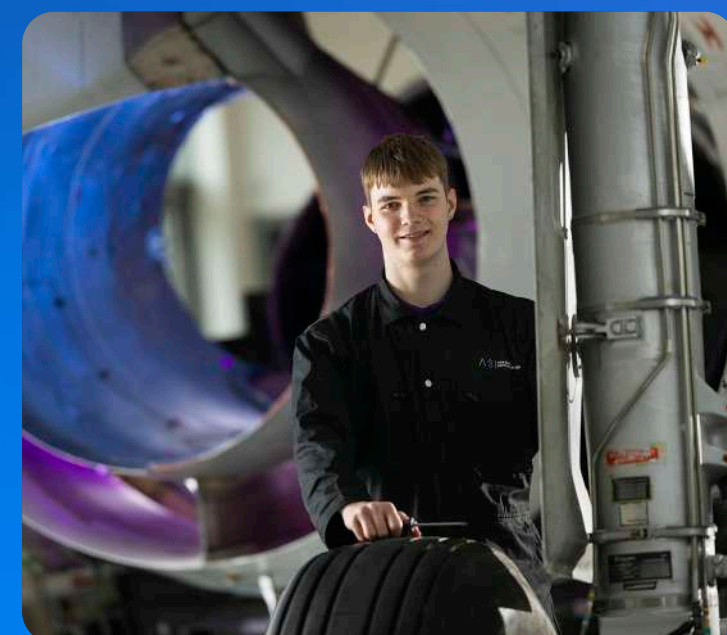
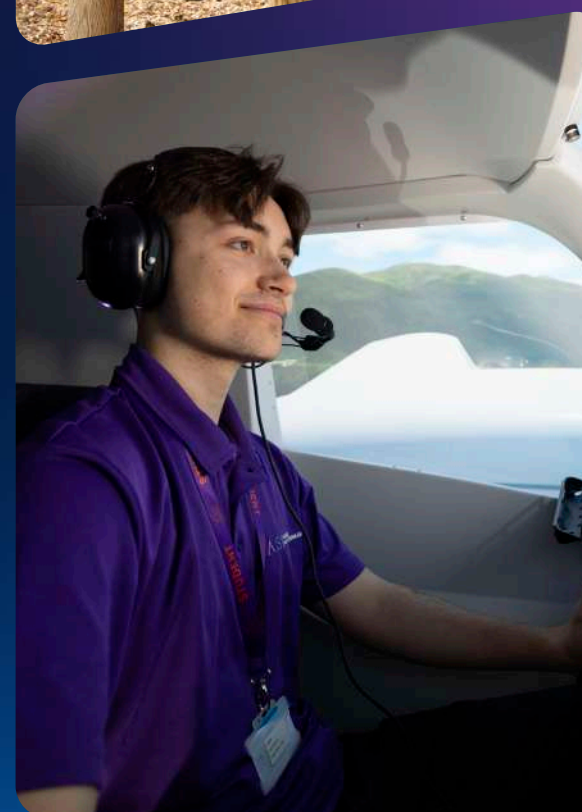
739,000

Jan 2022 - 2029

Number of Ground & Cabin Crew Globally +

903,000

Jan 2022 - 2029





# FURTHER EDUCATION PATHWAYS

Our Further Education pathway offers Level 2 and Level 3 technical qualifications for those pursuing careers in aviation, including pilots, aircraft engineers, cabin crew, dispatchers, and more.

All of our Level 2 and 3 enriching qualifications have been designed in partnership with aviation industry experts and they have been reverse-engineered from specific job roles.

This means all of the units within our courses give you the exact knowledge, skills and competencies to be effective in these job roles.

The specialist Level 3 qualifications are broadly equivalent to 1-3 A Levels and provide enough UCAS points to progress onto university or our ASI (Newark) Higher Education programmes.

These courses have been developed with Nottingham Trent University (NTU) to provide Level 6 top-up degrees upon completion of your chosen HNC and HND as part of ASI Newark.

Learn more about our Higher Education degree courses on page 42-47.





# PILOT & AVIATION OPERATIONS

## Level 2 Aviation

This one-year, Level 2 qualification is a great pathway for students who are unsure what Level 3 specialism they would like to pursue, or for students who need to resit their GCSE English and/or Maths.

The Level 2 in Aviation programme is designed to prepare learners for various roles within the aviation industry.

Developed in collaboration with Swissport, the world's largest provider of ground and cargo handling services, this course offers a broad overview of the aviation sector and the skills necessary for success in this dynamic field.

### Entry requirements

You'll need to have a minimum of four GCSEs, including English Language and/or Maths at Grade 4 or above (an approved Science-based subject is preferable for progression).

Ideally, you will have already achieved this before starting your studies, however, applications will be considered if you have achieved GCSE Grade 4 in either Maths or English Language and are willing to study either English Language or Maths alongside your Level 2 curriculum.

On completion of Level 2, you must have attained GCSE Grade 4 or higher in both Maths and English Language to progress to an ASI Level 3 programme.

## Level 3 Aviation Operations (Pilot)

The Pilot pathway will focus on the theoretical knowledge required for a career as a pilot in commercial or military aviation.

Students will gain a broad understanding of aviation by studying under the two-year, Level 3 Travel & Tourism programme, which is designed to prepare students for a career in the Aviation and Travel & Tourism sectors. All students will have enrichment opportunities linked to Civil or Military & Defence.

The Travel & Tourism programme offers a number of optional units, reflecting the diversity of the sector so that learners choose units that relate to a career direction of their choice.

Learners may choose to combine units that give them the understanding and skills that apply in the industry, with specialist units related to the job roles that they may want to pursue.

Throughout the course, students will enhance their use and understanding of English, mathematics and physics as applied within aviation. Students will develop the knowledge and confidence to progress to acquire the skills to become commercial or military pilots.

### Entry Requirements

You will need to have a minimum of five GCSEs at Grade 4 or above, including English Language, Mathematics and an approved Science-based subject

This pathway also has an internal progression opportunity at degree level. Please see our Higher Education Pathways section for more information on pages 42-47.



Visit our website for the latest information





# AIRCRAFT ENGINEERING

Students on all pathways will study a common curriculum designed to familiarise you with the industry as a whole.

Employers and industry experts have told us that they need staff that understand and appreciate the knowledge, skills and competencies of a range of job roles across aviation. All students will have enrichment opportunities linked to Civil or Military & Defence.

This course will also develop your practical hand skills using specialist aircraft tooling and virtual reality (VR) simulation to carry out maintenance on aircraft systems and structures. It is designed to enable you to gain the required theory qualifications and practical experience to become an Aircraft Fitter/Technician assisting in carrying out routine maintenance on jet aircraft and leading to a CAA Part 66 A1 Aircraft Maintenance Licence\*.

## Entry Requirements

You'll need to have a minimum of five GCSEs at Grade 4 or above, including English Language, Maths and an approved Science-based subject. Or Mechanical Engineering Level 2 at Merit level and English Language and Mathematics at Grade 4 or above.

**This pathway also has an internal progression opportunity at degree level. Please see our Higher Education Pathways section for more information on pages 42-47.**



Visit our website for the latest information

\*Merit or higher required in all C&G Modules and 3 years experience required as per CAA Part 66A.30 Basic experience requirements to gain CAA A1 Part 66 AML.





# SPACE & ENGINEERING

This one-year Level 2 programme is an excellent pathway for learners who are intending to work in aviation, aerospace and engineering sectors who didn't quite get the GCSE grades for Level 3 programmes.

By studying the Space & Engineering pathway it allows you to resit your GCSE Maths and/or English and has a great progression route to the more specialist Level 3 ASI pathways.

#### Enrichment Opportunities

There will also be a number of enrichment opportunities where you will partake in exciting guest speakers from industry as well as engaging trips and visits to the National Space Centre and Sherwood Observatory.

#### Entry Requirements

You'll need to have a minimum of four GCSEs, including English Language and/or Maths at Grade 4 or above (an approved Science-based subject is preferable for progression).

Ideally, you will have already achieved this before starting your studies, however, applications will be considered if you have achieved GCSE Grade 4 in either Maths or English Language and are willing to study either English Language or Maths alongside your Level 2 curriculum.

On completion of Level 2, you must have attained GCSE Grade 4 or higher in both Maths and English Language to progress to an ASI Level 3 programme.



Visit our website for the latest information





# TRAVEL & TOURISM

Travel & Tourism at ASI offers two programmes across Levels 2 and 3, designed to prepare students for a career in the aviation industry. The aviation industry is a rapidly growing, diverse, and exciting sector, offering a wide range of job opportunities.

The one-year Level 2 Travel & Tourism pathway is an excellent starting point for students who need to resit their GCSE English and/or Maths. Upon achieving the required grades, students can progress to the Level 3 Travel & Tourism pathway.

The course covers a broad range of topics related to aviation, travel, and tourism, including: the aviation industry's structure, history, and future; different types of airlines and aircraft; airport operations; customer service in aviation; selling and promoting travel products; and marketing within the travel and tourism sector. It also includes more specific topics such as air fares and ticketing, baggage handling, passenger safety and security, travel documentation, and foreign exchange.

Students will also take part in an exciting enrichment programme, including trips, visits, and guest speakers.

## Level 2 Entry requirements

You will need to have a minimum of four GCSEs at Grade 4 or above, including English Language or Mathematics.

On completion of Level 2, you must have attained GCSE Grade 4 or higher in both English Language and Maths to progress to an ASI Level 3 programme.

## Level 3 Entry Requirements

You will need to have a minimum of five GCSEs at Grade 4 or above, including English Language, Mathematics and an approved Science-based subject.

This pathway also has an internal progression opportunity at degree level. Please see our Higher Education Pathways section for more information on pages 42-47.



Visit our website for the latest information





# UNIFORMED PUBLIC SERVICES

Do you consider yourself to be a protective person?  
Are you calm and collected in stressful situations?  
Maybe you've thought of a career in the Armed Forces or  
emergency services. If so, this course may be for you.

If you want to pursue a career in public services, then this  
is an excellent place to start. This one-year course is both  
practical and theoretical and will provide you with the  
underpinning skills and knowledge to develop your skills  
and understanding of public services, giving you a variety  
of opportunities.

**During this course, you'll study:**

- Public Service Skills and Support for the Community
- Employment in Uniformed Public Services
- Health and Fitness for Entry into the Uniformed Public Services
- Activities and Teamwork for the public services
- Expedition and Land Navigation Skills

**Level 2 Entry requirements**

You'll need four GCSEs at Grade 3 and above or  
equivalent, which include English Language and Maths.

You'll be encouraged to attend a taster day and may be  
required to provide a reference (from an employer or recent  
school/college report).

You'll also need to demonstrate an ability to cope with a  
programme of physical activity.



Visit our website for  
the latest information





# CIVIL ENRICHMENT ACTIVITIES

The curriculum for the ASI Civil is packed with enrichment activities ranging from expert guest speakers from our industry partners, to exciting visits to industry workplaces, along with sporting, leadership and team skills activities. Here is just a flavour of the programme.



ROLLS ROYCE VISIT



VISIT WITH BABCOCK INTERNATIONAL AT RAF WITTERING

LINCS & NOTTS AIR AMBULANCE VISIT



AFFINITY FLYING SERVICES VISIT



RVL AVIATION AT EAST MIDLANDS AIRPORT



AEROSCOPIA MUSEUM VISIT IN TOULOUSE, FRANCE



RVL AVIATION AT EAST MIDLANDS AIRPORT

EAGLE EYE INNOVATIONS  
DRONE WORKSHOP





# ASI MILITARY & DEFENCE

Our ASI Military & Defence programme is an amazing opportunity to pursue a career with the RAF, or the wider aerospace industry. It enables students to complete their core academic studies, alongside full time technical training, creating a clear pathway to an exciting, rewarding future.

The RAF, and our industry support partners, have helped shape the ASI Military & Defence curriculum with a blend of technical skills, a personal development programme and sector specific job-ready skills.

That means graduates can leave the College with the right qualifications and the fitness levels, confidence, leadership and communication skills to succeed.

Graduates are guaranteed a place on RAF Basic Recruit Training (subject to RAF entry criteria) and should be well equipped to pass first time. If students decide not to enter the RAF, they can progress to employment, an apprenticeship or further study for a career in the aerospace industry. We work in partnership with the Royal Air Force and a range of top aerospace industry firms to provide this unique training model. The UK's first Air & Defence College, created by Lincoln College in close partnership with the RAF and the wider aerospace industry, was officially opened at Lincoln College by Air Vice-Marshal Andrew Turner in September 2016.

In September 2022, we rebranded to form part of ASI, while still delivering the same exceptional military and defence content. Our carefully designed study programmes, shaped by our industry partners, offer a unique blend of academic education and technical training, with an additional focus on physical training, leadership, communication, and team building. To support this focus on physical fitness, we have established a local partnership with the YMCA in Newark, providing our students with access to top-tier fitness facilities and programmes.

Our students engage in industry-set projects, co-designed by employers, equipping them to enter their chosen careers ahead of the game and ready to progress. Students spend a significant proportion of time experiencing industry environments first-hand through an extensive programme of work experience. Industry experts join tutors at the College to pass on their knowledge and expertise.

Core academic study areas like Maths, English, and Science are contextualised to the specialism of the ASI Military & Defence, with digital skills development being a major priority.

## OUR ASI MILITARY AND DEFENCE OFFERS:

### UNIQUE

Access to RAF and aerospace working environments and expertise

### OPPORTUNITIES

To participate in RAF Basic Recruit Training for graduates, equipping them to pass first time

### CAREER READY

Students with the technical qualifications, confidence and leadership skills to succeed

### THE BEST

Professional technical training in the region

### EXCITING

Adventure training and a residential visit developed by the RAF

### ONCE IN A LIFETIME

Experiences for top performing students with aircraft flights

## POSSIBLE CAREER OPTIONS

- Mechanical Engineering Technician
- Avionics Engineering Technician
- General Engineering Technician
- Vehicle Engineering Technician
- Cyberspace Communication Specialist
- Avionics Technician



# MILITARY ENRICHMENT ACTIVITIES

The curriculum for the ASI Military & Defence is packed with enrichment activities ranging from expert guest speakers from our industry partners, to exciting visits to RAF bases and industry workplaces, along with residential visits and adventure training. Here is just a flavour of the programme.



RAF COSFORD



RAF COSFORD



TRIP TO SOLA AVIATION ACADEMY IN NORWAY



RAF CONINGSBY



RAF DIGBY



80TH ANNIVERSARY OF D-DAY  
CWGC EVENT



# FLIGHT TRAINING AT ASI

## Take Flight at ASI

All Further Education study programme students have the opportunity to fly a Piper Warrior aircraft with our industry partner, Quiet Tiger Aviation, at Sturgate Aerodrome.

Each student will receive four hours of flying lessons as part of their course enrichment. This exciting experience includes a pre-flight briefing, during which students must consider weather conditions, file a flight plan, communicate with the dispatch team, and inspect the aircraft before departure.

This airborne classroom provides real-world context to students' academic studies and enhances the air-mindedness of ASI learners.



Scan to watch a student take his first flying lesson!

Our Further and Higher Education programmes provide an opportunity for students to gain their UK Private Pilot Licence (PPL) or Light Aircraft Pilot Licence (LAPL), alongside their academic studies; the balance of practical and theoretical skill is highly sought-after by global aviation industry employers.

Beginning with their placement at a local CAA-approved Declared Training Organisation (DTO), we support students throughout the entire flying training process. Our own flying instructors and subject matter experts (SMEs) are by their side, offering direction and guidance, at all stages of their journey. Solo flight often happens quicker than you might think!

Further information regarding the PPL and LAPL courses can be found on our website.





# STUDENT JOURNEY

## From Matriculation to Graduation

### Matriculation

All Further Education students will begin their aviation journey with ASI by matriculating at the prestigious International Bomber Command Centre (IBCC).

Matriculation welcomes aspiring aviation and aerospace students from the Air and Space Institute (ASI) and the Air and Defence College (ADC) programme, offered in partnership with Stamford and Peterborough Colleges. This event marks the official start of their journey into the world of aviation, aerospace, and defence.

The ceremony is an opportunity for the new cohort to celebrate with their peers, faculty, and industry leaders, as well as representatives from key ASI partners, including leading defence and aerospace organisations.

As a new cohort, it is important to start the year by connecting with peers and developing strong relationships. Students spend a great deal of time together both in and out of the classroom; engaging in practical work, theory lessons, and off site trips, so building rapport early on is essential. On matriculation day, alongside the ceremony, students from both ASI and ADC take part in a series of team-building and communication activities designed to break the ice and kickstart the term to promote camaraderie, strengthen bonds through collaborative experiences and shared victories.



Find out more about  
Matriculation



Find out more about  
Graduation

### Graduation

All Further Education pathway students who have completed their course will graduate at RAF Cranwell's Main Auditorium, Whittle Hall – the world's first Air Academy – honouring students for their outstanding accomplishments in the fields of Civil Aviation and Military & Defence.

Graduating from the ASI programmes represents the culmination of hard work and dedication, marking the transition from the academic environment to employment. It is a significant milestone as they embark on their impactful careers and begin applying their knowledge and skills in real-world situations.

Throughout the ceremony, we recognise students who have gone above and beyond in their studies and their contributions to the student community. Four outstanding students from ASI are presented with coveted awards including; Student of the Year, Students' Student, Best Student Pilot, and the In the Pursuit of Excellence Award – celebrating academic excellence, peer support, and personal drive.

All Higher Education pathway students, as part of the University Centre, will graduate at Lincoln Cathedral upon completion of their studies.



MATRICULATION CEREMONY



CEO & PRINCIPAL MARK LOCKING AT MATRICULATION



GRADUATION CEREMONY



RAF CRANWELL GRADUATION



BEST STUDENT PILOT AWARD 2025:  
AMBER SCOTT AND WILL LEES



IN THE PURSUIT OF EXCELLENCE  
AWARD: JIANKAI WU



# SUCCESS STORIES

## ASI Newark is where dreams take flight

Discover endless possibilities and be inspired by our alumni as they embark on exciting journeys towards their dream careers. From an engineer at Rolls-Royce, to a Helicopter Search and Rescue Pilot at Bristow Group, to cabin crew at TUI – our pathways provide a great launch pad for roles with giants of the aviation industry.



### GRACE HICKSON

We welcomed former Civil Engineering student Grace Hickson back to the Air & Space Institute. Grace spoke to our current Level 3 first-year Civil Engineering students and second-year engineers on the combined pathway.

She shared her inspiring journey from ASI to Rolls-Royce as an Aerospace Engineering Apprentice. Now nearing the end of her first year on a four-year apprentice programme, Grace has already completed courses in hand-fitting, business, and electrical engineering. She's working hard to make a great impression as she builds her career with this industry giant.

“

**I REALLY ENJOYED MY TIME AT ASI. I WILL MISS EVERYONE. THROUGHOUT MY APPLICATION PROCESS TO ROLLS ROYCE I HAD GREAT GUIDANCE FROM MY TUTORS, THEY HELPED ME MAKE A PRESENTATION AND EVEN LENT ME A HP TURBINE BLADE FOR THE INTERVIEW.**



**CODY HARRISON**

Cody Harrison began his journey with us at our interim facility before moving to our state-of-the-art campus for his final year. In 2023, he was awarded the ASI Civil & Military Award at the Further Education Awards Ceremony for his passion and dedication. On weekends, Cody even flew to Europe to explore different airlines and learn about their operations!

Now a student pilot at FlyBy in Spain, Cody credits ASI for giving him an edge with his knowledge of ATPL and Principles of Flight subjects.

With aspirations to become a commercial airline pilot, Cody's journey proves how aviation education can take you places!

“

**ASI WAS THE PERFECT CHOICE FOR ME AS IT WAS AVIATION-SPECIFIC. I'M GLAD I CHOSE ASI OVER A LEVELS.**

**THE SIMULATORS AT ASI ARE STATE-OF-THE-ART, AND THEY REALLY GAVE ME HANDS-ON, PRACTICAL LEARNING OF HOW AN ENGINE FAILURE WOULD AFFECT THE WAY THE AIRCRAFT FLIES. THIS IS JUST ONE EXAMPLE OF HOW IT HELPED PUT CLASSROOM LEARNING INTO PRACTICE.**

**FLYING FROM NOTTINGHAM CITY AIRPORT WAS AMAZING – IT WAS SUCH A GREAT OPPORTUNITY TO GET HANDS-ON WITH A REAL AIRCRAFT.**

**SEBASTIAN O'MAY**

Sebastian started his journey with us studying Military & Defence Mechanical Engineering at Lincoln College then progressed as a Civil Engineering student based at our newly formed ASI Newark Campus in 2023 and now works as an Aircraft Maintenance Technician at BAE Systems.





**ELLIE FORD**

Ellie Ford, from our latest Civil Pilot Pathway cohort, graduated in June 2025. Demonstrating natural leadership qualities, a strong work ethic, and determination throughout her training, she has become the first ever graduate to be commissioned as an Air Systems Operator at RAF Cranwell, starting in November 2025.

Ellie was awarded Student of the Year at her graduation ceremony and has even appeared on television and radio to speak about her studies at ASI.



**KIAN DEIGHTON**

Kickstarting his journey on the Level 3 Civil Pilot Pathway, Kian joined us after the pandemic and was from our first cohort of ASI students. Kian is now flying across the European skies as Cabin Crew for TUI.



“

**THE TRAINING I RECEIVED AT THE ASI ON ALL THE PROCEDURES AND AVIATION-RELATED TERMINOLOGY REALLY HELPED ME STAY ONE STEP AHEAD IN MY NEW ROLE WITH TUI.**

**PEOPLE INTERESTED IN AVIATION SHOULD STUDY AT THE ASI – IT IS THE PLACE TO BE! IT IS A GREAT PLACE TO START YOUR CAREER OFF REALLY WELL!**

**POPPY QUERSHI**

Since graduating ASI in 2023 at RAF Cranwell, former Civil Pilot student Poppy has earned her Private Pilot Licence and has embarked on an exciting role as Dispatch Coordinator, then progressed to her latest role as Survey operator with DEA Specialised Airbourne Operations.

“

**I LOVED STUDYING THE PRINCIPLES OF FLIGHT, METEOROLOGY AND FLIGHT DISPATCH UNITS, IT GAVE ME A GOOD INSIGHT INTO THE AVIATION INDUSTRY.**

**WHILE I WAS AT ASI I WENT ON REALLY COOL TRIPS, ONE OF MY FAVOURITES WAS WHEN WE WENT TO RAF CRANWELL TO SEE THE MILITARY PILOTS DO THEIR INITIAL TRAINING AND SAW THE VENOM JETS.**





# FLYING HIGH

## With the 'Jet2FlightPath' Programme

**Staff at the Air & Space Institute celebrated one of their students becoming one of the 60 new Jet2 pilot trainees after a rigorous selection process.**

Will Lees, 18, graduated from the Aviation Operations pathway and secured his place against 18,000 other applicants to become one of the first ever cohort of 60 commercial pilot trainees that form the Jet2FlightPath programme.

Set up in 2025, the 18-month training programme means Will and his fellow hopefuls will have their training fully funded, a package normally worth around £150,000.

Will, from Navenby, near Lincoln, said: "I'm so excited to have been selected. I am starting my training in December 2025 and it sounds like there's a lot to learn and experience. I'm really looking forward to meeting my fellow students as well as the training itself."

Ambitious and determined, Will's work experience, self-funded flight training and his job as a Jet2 Customer Helper in his spare time have all been positives that he believes made him a great candidate, he adds: "I think as I already had done work experience with Jet2 in April this year and have worked there part time, I definitely felt at an advantage. I've also completed work experience at East Midlands Airport, at British Airways and at London Biggin Hill Airport.

"I first applied in May and there's been a lot of tests, interviews and panels before we got the word that I'd got a place."

Will's tutor at ASI and Aviation Operations Lecturer, Steve Buckley, said: "We're all really pleased to see Will succeed, he's in for an exciting training process and it really shows what you can achieve when you set your sights on something and work hard.

"We teach the students here so much, but it's really down to Will's resilience, positive attitude and talent that he's got this amazing opportunity."

This is an amazing achievement, and we wish Will the very best for the future."

Head of Newark Campuses, Penny Taylor MBE, said: "Will is set to return on a regular basis to the ASI to talk with students and update them on his training progress. We have obviously supported Will on his journey so far, but he has shown a determination and attitude that has allowed him to train for his dream job. We want to congratulate him again and we look forward to hearing about his training process!"





# TRAVEL WITH US

Thanks to the Turing Scheme, ASI students are maximising opportunities to study abroad – discovering that learning doesn't stop at the classroom door – it extends across borders, cultures, and continents.

**This past academic year, students on both the Civil and Military & Defence Engineering programmes swapped their usual surroundings for an unforgettable experience in Saudi Arabia.**

With previous cohorts having visited the Sola Aviation Academy in Norway, this year a new group of students flew out to Riyadh to collaborate with peers at ITQAN College and the Academy of Defense Industries (ADI).

Working in mixed groups, students explored how Artificial Intelligence can enhance study methods, while also comparing college life in the UK and Saudi Arabia. Their joint efforts culminated in a presentation to fellow ADI students – a proud moment for all involved.

But the trip wasn't all work and no play. Students had the chance to explore Riyadh, including a lively evening at Boulevard World, where they sampled local cuisine and soaked in the social buzz of the city.

The educational side of the trip was further enriched by visits to SAMI Alsalam and Nesma, industry leaders in defence and engineering. Students toured advanced facilities, witnessed real-world applications of their skills, and even got hands-on with oxyacetylene cutting in an outdoor pipework session.

The experience extended well beyond textbooks. A real highlight was celebrating Saudi Founding Day – a national holiday packed with traditional festivities. Students travelled to Al Qatif to take part in Gargee'an celebrations, engaging with local families and sampling unique cultural delicacies like camel lasagna. They also visited Tarout Castle, dined on the coast at Ras Tanura, and enjoyed well-earned downtime – including an ice cream stop at C Front!

This immersive trip not only deepened their academic knowledge but also offered a once-in-a-lifetime glimpse into another way of life – proving that at ASI, education goes far beyond the curriculum.





# HIGHER EDUCATION PATHWAYS

## ASCEND TO THE NEXT LEVEL AT ASI

Our Higher Education pathways provide Level 4 (HNC) and Level 5 (HND) technical qualifications for potential careers in the aviation, aerospace and space sectors.

Train to be an aviation engineer or study leadership and management roles for ground and airport operations with ASI Higher Education (HE) Programmes. Our HE students are based in our aviation classrooms and facilities that keep teaching and learning apace with cutting-edge innovation and discovery including the use of virtual reality technologies and a flight simulator.

We have a strong focus on employability, and our training partners and professional connections give students the chance to immerse themselves in the industry. Our close proximity to East Midlands Airport, along with other regional aviation partners, means students are perfectly placed for networking, seasonal jobs and work placements that are available.

At ASI Newark, students learn from skilled lecturers who have a high level of working knowledge, based on industry experience. Their teaching can allow students to gain a deep insight into the latest trends and requirements of the aerospace and aviation sector.

These programmes are delivered in our state-of-the-art £15.4m ASI HQ. This industry-standard facility is equipped with the latest aviation industry technology.

As part of our Higher Education programmes, our students can also choose to take an optional structured pilot training programme delivered by external partners at an additional cost that could lead to a Private Pilot Licence (PPL) \*Subject to partner agreement. More details can be found on page 28.

Our exciting Higher Education pathways include:

### ASI ENGINEER PATHWAY

- HNC Aeronautical Engineering for England (HTQ) (Full Time & Part Time)
- HND Aeronautical Engineering for England (HTQ) (Full Time & Part Time)

### ASI SPACE PATHWAY

- HNC Space Technologies for England (HTQ) (Full Time & Part Time)
- HND Space Technologies for England (HTQ) (Full Time & Part Time)

All our programmes are offered as full time and part time options to support people already in employment and wanting to up-skill and develop their skills and knowledge in this exciting industry.

A HNC is a Level 4 qualification which is widely recognised in its own right and is designed to provide students with the skills required for employment in a range of associated professions. On successful completion of the course, students may apply to continue at ASI to study the appropriate subsequent Level 5 HND. On successful completion of the HND course, students can top up to a full degree (Level 6) with our partner institution, Nottingham Trent University (NTU) - subject to validation.

### What is a Higher Technical Qualification (HTQ)?

HTQs are technical qualifications that employers have helped develop so students can get the right training and skills they need to succeed at work.



Industry-standard facilities,  
equipped with the latest  
aviation technology.



[asi-newark.co.uk/higher-education](http://asi-newark.co.uk/higher-education)



# AERONAUTICAL ENGINEERING FOR ENGLAND (HTQ)

The HNC Aeronautical Engineering for England programme is ideal for students wishing to work within the aviation industry. Students firstly study the HNC Aeronautical Engineering and then have the option to progress to the HND Level 5 course.

Designed to help students build technical knowledge and skills, our course focuses on the underlying principles of aeronautical engineering. Students have the opportunity to develop the skills to recognise and alleviate risk, create a safe and efficient operating environment, and assess vital information. With a focus on the future, students can also build transferable skills and learn about the decision-making methods used by industry.

The Pearson BTEC Higher National Certificate (HNC) is at Level 4 (the same as the first year of a UK honours degree). It is an eight-unit qualification which involves studying four mandatory core subjects and a further four specialist subjects. The units have been selected to meet a broad range of local industry needs.

Our aeronautical engineering students are based in our aviation and engineering classrooms, workshops and emulation zone that keep teaching and learning apace with cutting-edge innovation and discovery including the use of virtual reality technologies and a flight simulator.

As well as receiving interesting lectures and seminars, students are also supported by personal tutors, module leaders and course leaders. In addition, guest speakers often deliver sessions for students within ASI to enrich their learning. Previously we have welcomed speakers from Jet2, British Airways, EasyJet and East Midlands Airport.

Assessments are mainly by assignment with some testing in the analytical subjects.



All course information is subject to validation and change.

HNC Level 4		+
Qualification	HNC Aeronautical Engineering for England (HTQ)	
Duration	1 year (Full Time) 2 years (Part Time)	
Typical Structure	<ul style="list-style-type: none"><li>Engineering Design</li><li>Engineering Maths</li><li>Engineering Science</li><li>Managing a Professional Engineering Project (Pearson set)</li><li>Aircraft Aerodynamics</li><li>Aircraft Electrical Power and Distribution Systems</li><li>Airframe Mechanical Systems/Industrial Robots</li><li>Composite Materials for Aerospace Applications</li></ul>	
HND Level 5		+
Qualification	HND Aeronautical Engineering for England (HTQ)	
Duration	1 year (Full Time) 2 years (Part Time)	
Typical Structure	<ul style="list-style-type: none"><li>Research Project</li><li>Professional Engineering Management (Pearson-set)</li><li>Further Mathematics</li><li>Aircraft Flight Control Systems</li><li>Aircraft Propulsion Principles and Technology</li><li>Avionic Systems</li><li>Advanced Composite Materials for Aerospace Applications</li></ul>	
Progression	Level 6 Top-Up degree delivered by Nottingham Trent University (NTU) *Subject to validation	





# SPACE TECHNOLOGIES FOR ENGLAND

The HNC Space Technologies for England (HTQ) programme is designed for students wishing to work within the space industry. Students firstly study the HNC Space Technologies course and then have the option to progress to the HND Level 5 course.

Designed to help students build technical knowledge and skills, the course focuses on the underlying principles of space technologies. Students have the opportunity to develop their skills to recognise and alleviate risk, create a safe and efficient operating environment, and assess vital information. With a focus on the future, students can also build transferable skills and learn about the decision-making methods used by industry.

The Pearson BTEC Higher National Certificate (HNC) is at Level 4 (the same as the first year of a UK honours degree). It is an eight-unit qualification which involves studying five core mandatory subjects and a further three specialist mandatory subjects. The units have been selected to meet a broad range of local industry needs.

Our space technologies students will be based in our engineering classrooms, workshops and emulation zone that keep teaching and learning apace with cutting-edge innovation and discovery including the use of virtual reality technologies and flight simulators.

As well as receiving interesting lectures and seminars, students are also supported by personal tutors, module leaders and course leaders. In addition, guest speakers often deliver sessions for students within ASI to enrich their learning. Previously we have welcomed speakers from Jet2, British Airways, EasyJet and East Midlands Airport.

Assessments are mainly by assignment with some testing in the analytical subjects.



All course information is subject to validation and change.

HNC Level 4		+
Qualification	HNC Space Technologies for England (HTQ)	
Duration	1 year (Full Time) 2 years (Part Time)	
Typical Structure	<ul style="list-style-type: none"><li>Engineering Design</li><li>Engineering Maths</li><li>Engineering Science</li><li>Managing a Professional Engineering Project (Pearson-set)</li><li>Programming for Engineers</li><li>Computer Aided Design and Manufacture (CAD/CAM)</li><li>Space Environment and Applications</li><li>Space Technologies and Manufacturing</li></ul>	

HND Level 5		+
Qualification	HND Space Technologies for England (HTQ)	
Duration	1 year (Full Time) 2 years (Part Time)	
Typical Structure	<ul style="list-style-type: none"><li>Professional Engineering Management (Pearson-set)</li><li>Further Mathematics</li><li>Manufacturing Systems Engineering</li><li>Sensors and Automation</li><li>Research Project</li><li>Space Communications</li><li>Space Mission Design</li></ul>	
Progression	Level 6 Top-Up degree delivered by Nottingham Trent University (NTU) *Subject to validation	





# SUPPORTING YOU TO SUCCEED

WE AIM TO REMOVE ANY BARRIERS THAT GET IN YOUR WAY  
WHEN IT COMES TO LANDING THE CAREER OF YOUR DREAMS

## TRAVEL SUPPORT

Eligible learners may be able to receive up to a maximum of £70 per week toward the cost of travel through our Learner Support Funds. We are also able to provide information about other forms of travel support such as: Local Authority travel passes, national rail cards and discounted local bus tickets.

[financialsupport@lincolncollege.ac.uk](mailto:financialsupport@lincolncollege.ac.uk)  
For advice call: 030 030 32435



## MEALS SUPPORT

Learners who meet the meals support eligibility criteria receive a maximum allowance of £4.50 per timetabled day of attendance at college. This allowance is available whilst our catering facilities are open, so can be used to purchase a main meal at lunchtime or a Meal Deal to take out.

[financialsupport@lincolncollege.ac.uk](mailto:financialsupport@lincolncollege.ac.uk)  
For advice call: 030 030 32435



## OTHER LEARNER SUPPORT FUND HELP

Subject to eligibility, learners can receive help through these funds for other course essential participation costs, such as uniform and equipment, trips, books and UCAS fees.

[financialsupport@lincolncollege.ac.uk](mailto:financialsupport@lincolncollege.ac.uk)  
For advice call: 030 030 32435

## CHILDCARE SUPPORT

For those learners who require financial help toward the cost of childcare, help is available for Ofsted registered provision, and subject to eligibility, through the Care to Learn Scheme and 20+ Childcare Support Fund.

[financialsupport@lincolncollege.ac.uk](mailto:financialsupport@lincolncollege.ac.uk)  
For advice call: 030 030 32435



## ADDITIONAL LEARNING SUPPORT

We offer support to learners with a learning difficulty, disability, medical condition or a mental health difficulty.  
[studentservices@lincolncollege.ac.uk](mailto:studentservices@lincolncollege.ac.uk)  
For advice call: 01522 876225

## COUNSELLING & PASTORAL SUPPORT

Support can be provided for any emotional or personal difficulties learners might encounter. Confidential appointments can be arranged with a Counsellor.

If learners need spiritual guidance, the Chaplains can offer support to people of all faiths and denominations. To find out more please email:  
[chaplaincy@lincolncollege.ac.uk](mailto:chaplaincy@lincolncollege.ac.uk)

[studentservices@lincolncollege.ac.uk](mailto:studentservices@lincolncollege.ac.uk)  
For advice call: 01522 876220

## MENTAL HEALTH SUPPORT

Students can access support through the Safeguarding and Mental Health Single Point of Contact (SPoC). Students can also seek support through Main Reception where they can be seen as part of the "drop in" service by a member of the Assessment and Support Team for advice and support.

[safeguarding@lincolncollege.ac.uk](mailto:safeguarding@lincolncollege.ac.uk)  
For advice call: 07580 975854

## 16-18 EXTENDED BURSARY

Eligible learners aged 16 to 18 and who are either in Local Authority Care, or are a Local Authority Care Leaver, or in receipt of Universal Credit in their own right, or in receipt of Employment Support Allowance or Universal Credit and Disability Living Allowance or Personal Independence Payments in their own right may be able to receive up to a maximum of £1,200 toward essential course participation costs through this Bursary.

[financialsupport@lincolncollege.ac.uk](mailto:financialsupport@lincolncollege.ac.uk)



## 19+ FEE SUPPORT

Learners aged 19+ may be able to receive help towards course fees through the Lincoln College Fee Remission Policy.

[enquiries@lincolncollege.ac.uk](mailto:enquiries@lincolncollege.ac.uk)  
For advice call: 030 030 32435

## ADVANCED LEARNERS LOANS

Learners studying L3 to L6 Further Education funded course who do not qualify for support through the College's 19+ Fee Remission Policy may be able to get fee help through an Advanced Learner Loan.

For more information contact us at  
[advancedlearnerloans@lincolncollege.ac.uk](mailto:advancedlearnerloans@lincolncollege.ac.uk) or

[advancedlearnerloans@lincolncollege.ac.uk](mailto:advancedlearnerloans@lincolncollege.ac.uk)  
For advice call: 030 030 32435



## FINANCE PORTAL

Applications for financial support opens 1st July for the next academic year.



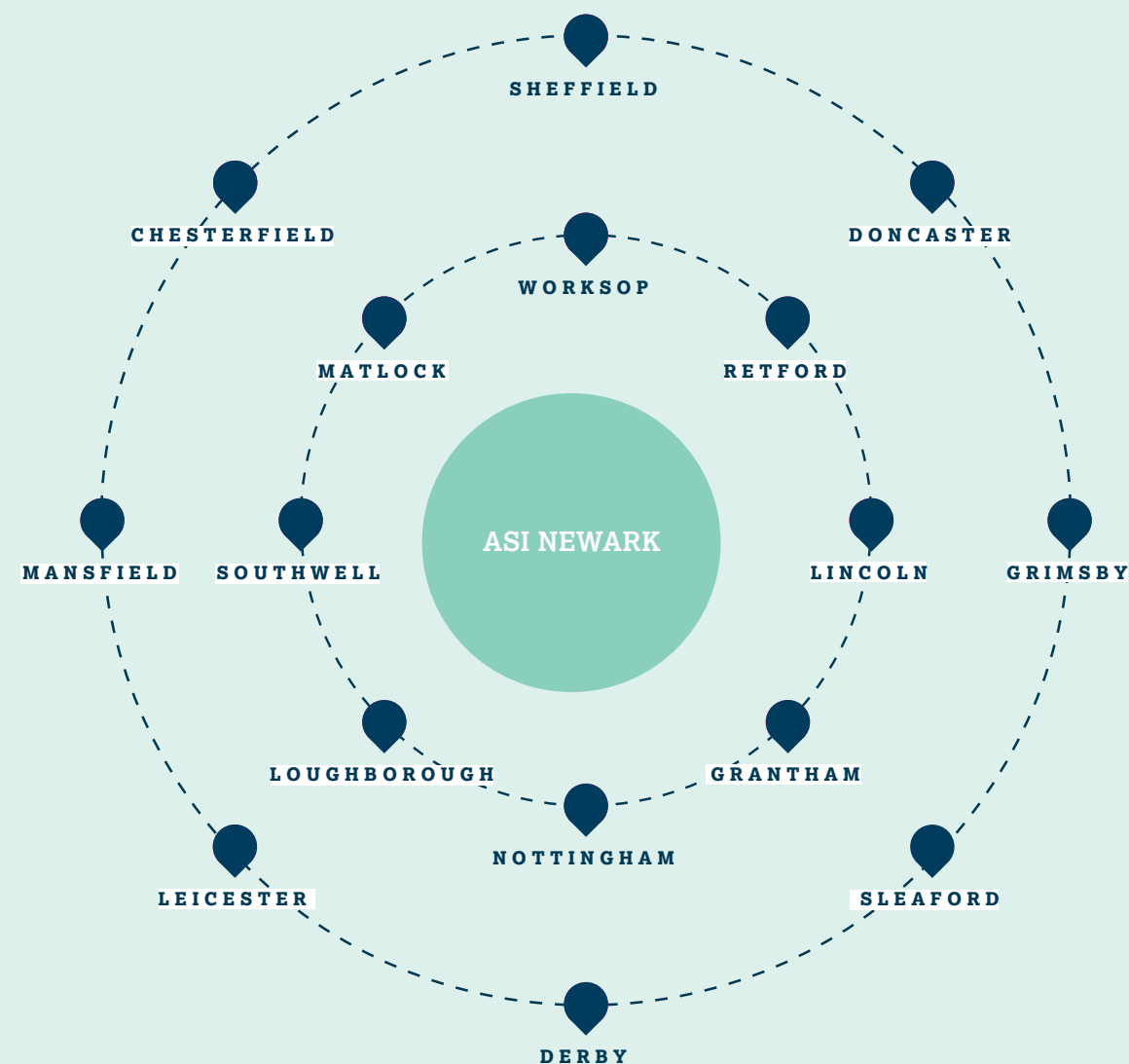
## FURTHER EDUCATION (FE) FINANCIAL SUPPORT

Financial support for essential course participation costs, as shown below, is available to eligible Further Education funded learners through our 16 to 18 Learner Support Funds and 19+ Learner Support Funds.

[financialsupport@lincolncollege.ac.uk](mailto:financialsupport@lincolncollege.ac.uk)  
For advice call: 030 030 32435



# TRAVEL SUPPORT



Applies to Further Education Funded Students Aged 16-18 on 31/8/2025 only

\*Other Rules and Regulations Apply and Subject to Change and Amendment Without Notice. ^Pilot Project Academic Year 2025/26

Financial support available to postcodes: DN21, LN7, LN8	Gross Household Income	Max support available*
	£0 - £45,000	£2,450
	^ £45,000 - £60,000	£576

This offer is dependent on income. Take a look at what support may be available to you:



## WHERE IS ASI?

- NEWARK, NOTTINGHAMSHIRE
- CENTRAL LOCATION
- EXCELLENT TRANSPORT LINKS

NEWARK TO EAST MIDLANDS AIRPORT 50 MINS BY CAR

ASI TO NEAREST TRAIN STATION 5 MINS WALK

LINCOLN TO NEWARK BY TRAIN 25 MINS

NOTTINGHAM TO NEWARK BY TRAIN 27 MINS

LEICESTER TO NEWARK BY TRAIN 1 HR 10 MINS

DERBY TO NEWARK BY TRAIN 56 MINS

NEWARK CASTLE & NEWARK NORTH GATE

ROAD - M1

ROAD - A1

EAST MIDLANDS AIRPORT

AIR & SPACE INSTITUTE





# OUR CAMPUSES

IN NEWARK WE HAVE TWO CAMPUSES:  
NEWARK COLLEGE AND THE  
AIR AND SPACE INSTITUTE (ASI)

## Entertainment

- 1 Northgate Retail Park
- 2 The Maltings
- 6 Newark Wharf
- 4 Newark Castle
- 5 Town Hall Museum & Art Gallery
- 6 Palace Theatre
- 7 National Civil War Centre
- 8 St Mary's Remembrance Gardens
- 9 UK Superbowl
- 10 Odeon Cinema
- 11 Newark Library
- 12 Beaumont Gardens
- 13 Sherwood Avenue Park
- 14 Friary Park

## Coffee Shops

- 15 The Coffee Chain
- 17 Starbucks
- 18 Costa Coffee

## Places to Eat

- 19 Pizza Express
- 20 Papa Johns Pizza
- 21 Letsxcape Café
- 22 The Bean & Vine
- 23 Tambo Lounge
- 24 Newark Royal Market
- 25 Thyme Out
- 26 PJ's American Diner
- 27 Pastability
- 28 Greggs

## Shops

- 29 Morrisons
- 30 ASDA
- 31 High Street Shops
- 32 St Marks Place Shopping Centre

## Newark College

- 33 Woodland Walk
- 34 NG24 Café

## Key:

- P Parking
- 🚉 Train Station
- 🚌 Bus Station
- 🚓 Police Station
- 🍏 Foodbank

## Did you know?

The town offers a full range of facilities, affordable housing and a traditional community atmosphere. It has a vibrant market four days a week and is host to a growing number of events that celebrate music including jazz and folk festivals.





# COME AND SEE US



## OPEN DAYS 25|26

**Don't miss your chance, book your place today!**

Attend our open days to learn about ASI, meet lecturers, and make informed choices.

Our open days are open to all applicants and are suitable for School Leavers and people of any age.

- **SATURDAY 22 NOVEMBER** 11.00–1.00pm
- **THE VIRTUAL OPEN DAY**  
**THURSDAY 11 DECEMBER** 6.00–7.00pm
- **THURSDAY 5 FEBRUARY** 4.30–7.00pm
- **WEDNESDAY 29 APRIL** 4.30–7.00pm
- **WEDNESDAY 17 JUNE** 5.00–7.00pm



BOOK YOUR TICKETS  
[asi-newark.co.uk](https://asi-newark.co.uk)



# ASI

AIR & SPACE  
INSTITUTE

[asi-newark.co.uk](http://asi-newark.co.uk)

All information in this guide is correct at the time of printing,  
for the latest information please visit our website.

Updated Nov 2025.



Follow us for the latest student stories and events

@asinewark ASI (Newark) ASI - Newark @asiNewark

