



Collins Aerospace

Engineering Industrial Placement - Banbury

Collins Aerospace is a leader in technologically advanced and intelligent solutions for the global aerospace and defence industry. Created in 2018 by bringing together Rockwell Collins and UTC Aerospace Systems, Collins Aerospace has the capabilities, comprehensive portfolio and expertise to solve customers' toughest challenges and to meet the demands of a rapidly evolving global market.

The high quality products we design, test and produce in our Mechanical Systems help millions of passengers reach their destinations safely – every day! From landing systems and actuation to propellers, flight controls and hoist and winch – the products we manufacture work together behind the scenes to enhance the overall flight experience. We delight our customers with superior products and best-in-class service. Our global team is committed to continuous improvement – we work hard to make our solutions lighter-weight, stronger and more technically advanced, so that plane travel can be safer, more affordable and more sustainable in the years to come. We are looking for the best and brightest to fly and land with us!

Collins Aerospace makes modern flight possible. Of course, that wouldn't be possible without the capabilities and technologies of our organization, as well as our engineers – a highly skilled, accomplished network that spans more than 180 sites, 24 countries and 6 Strategic Business Units (SBUs).

Our industry-leading experts are setting the standards for the aerospace industry and paving the way for the future. But as new challenges present themselves, we need fresh, creative and motivated minds to overcome these hurdles, help us break barriers and achieve new levels of innovation. Do you have what it takes to join a global, diverse organization that doesn't shy away from big opportunities? If so, we invite you to join our ranks and create the next generation of aerospace technologies.

Together, we will nurture an engineering culture that values intellectual curiosity, risk takers and integrity. A place where we will challenge ourselves, our teams, and the status quo and where we will work to find a way – the right way – to achieve what others can only dream of.

As a an Engineering Industrial Placement you will be responsible for delivering solutions for the design, development, qualification, manufacture and long term supply of advanced composite components. Within this role you will receive mentoring and guidance by more senior engineers but you will also enjoy a degree of autonomy and you will be given the opportunity to interface directly with other business functions (Manufacturing Engineering, Supply Chain, Quality etc.) to gain the necessary input for the required solution. Your day to day duties will involve design and development activities, stress analysis, production of detailed drawings, rapid prototyping and test of development parts. This is a fast paced environment driven by customer deliverables which will help you further develop your project management skills.

As an Engineering Industrial Placement working in Banbury you may find yourself:

- Helping our R&D team develop the next generation of our composite technologies.
- Working in one of our New Product Introduction projects directly with our OEM customers.
- Working with our Engineers to improve our current products, implementing design changes and performing development and qualification testing to prove airworthiness of our parts.

In this role you will:

- Support the identification, design, development, introduction and validation of new systems and components.
- Complete detailed CAD models and drawings including determining key technical and quality features to aid manufacture.
- Understand drawings and technical specifications in order to assess and maintain compliance to all requirements and where necessary, liaise with the customer and suppliers to determine technical requirements.
- Implement design validation activities using such tools as first principle hand calculations and Finite Element Analysis, and define validation tests.
- Design, manufacture/subcontract and commission various tooling used in the manufacture/test of composite components and assemblies.
- Oversee and execute testing and compile reports on activities following scrutiny of test data.

You will bring to the role:

- Excellent technical, analytical and problem solving skills.
- Strong organisation, planning, and delivery skills.
- Excellent written and verbal communication ability.
- High level of self-motivation, with a strong ability to use own initiative.
- Ability to work within a multi-disciplinary team, with a team player can-do attitude.
- Demonstrable interest in Composite Materials is desirable.

As part of the legal requirement to comply with international trade controls, we require all candidates to successfully complete a Baseline Personnel Security Standard (BPSS) check including criminal record checks. In addition we will check the identity of all employees against various government denied party lists prior to making a formal offer of employment.

To apply for this role please click on the following link:

<https://jobs.utcaerospacesystems.com/>