

In the company of... SOLVERS



Business area: Aerospace, Defence, Security & Technology (ADS&T)

Requirements: On track to achieve a 2:2 Bachelor's degree or above in Aeronautical Engineering, Aerospace Engineering, Chemical Engineering, Control & Systems Engineering, Electrical & Electronic Engineering, Engineering, Engineering Mathematics, Maths, Mechanical Engineering, Mechatronics & Robotics, Physics, Science, Software Engineering, Systems Engineering, Technology

Our teams and what they do

Industrial year placement locations: Bristol, London, Manchester and Silchester

Our Systems Engineering team forms part of the cutting-edge Advanced Engineering Delivery and Consultancy Practice (within ADS&T), offering a range of independent advice and services across defence, Critical National Infrastructure (CNI) and aviation domains.

Technology is evolving at an ever-increasing rate and the pace of its adoption is having a profound impact on society. We believe that understanding complex systems and the interactions between them is vital to solving tomorrow's problems.

You will benefit from:

- Working with passionate and diverse minded people in multi-disciplinary teams to understand problems and develop solutions;
- Using strategic thinking to identify interactions between people, processes, technology and the world;
- Finding innovative ways to understand and communicate complex ideas;
- Designing, integrating and managing complex systems throughout their life;
- A thriving Early Careers community, with focused mentoring and support to achieve professional registration.

The role will see you learn and use techniques such as:

- Requirements & Acceptance: Capturing needs as robust requirements and developing ways in which they can be successfully tested
- Model Based Systems Engineering (MBSE): Developing system architectures, models and simulations to support system requirements, design, analysis and test activities
- Integration: Understanding the interactions between systems and how they behave as a whole
- Systems Thinking: Understanding the purpose and context of a system, how they behave and how they manage themselves
- Project Management: The planning, development and implementation of solutions to complex problems while balancing quality, cost, time and risk
- Communication: Explaining complex concepts to stakeholders and non-technical team members.

About us

Our Early Careers Placement Programme is the ideal framework to experience life in a consultancy. It's a fantastic opportunity to gain experience of working on a variety of projects whilst developing your technical and non-technical skills. You will learn how to work in a team, build your communication and written skills and work with stakeholders at all levels.

You will be given the independence and responsibility whilst you are with us alongside having a supportive structure in place to help you grow, with guidance from experienced consultants & engineers. You will work on real life projects and being given a variety of assignments.

Our Placement Programme embraces an amazing culture and social aspect to allow you to network and build professional relationships which will enhance your development.

To apply, please return to the main job specification