

# In the company of **THINKERS**

**ATKINS**

Member of the SNC-Lavalin Group



**Business area:** Transportation

**Requirements:** Please see details for individual teams below

## **Our teams and what they do**

### **Rail Systems**

**Industrial Placement Locations:** Birmingham, Derby, London

**Summer Placement Locations:** Derby, London

**Requirements:** On track to achieve a minimum of a 2.2 Bachelor's or 2.2 Master's/MEng degree in Aeronautical Engineering, Aerospace Engineering, Automotive Engineering, Chemical Engineering, Communications, Computer Science, Electrical Engineering, Electronic Engineering, General Engineering, Mechanical Engineering, Systems Engineering

Our Rail Systems comprises five teams: Mainline Signalling, Mass Transit Signalling, Telecoms & Cyber, Control Systems Integration and Transport Systems Integration teams. Our teams are leading the way in new digital train control systems, telecoms, cyber security and the successful integration of railway systems. Exciting projects include HS2 and East Coast Digital Programme supporting the implementation of the European Train Control System (ETCS) and other projects that span the breadth of railway system technologies.

As a Summer Placement or Year in Industry Student you will have opportunities to work on a variety of assignments, led by our technical and engineering experts. You will have opportunities to work with different teams to experience the diverse range of work delivered across the team.

The assignments that you will be part of delivering to our clients will promote best practice and industry leading thought leadership that will support them in achieving their own corporate goals around Digital Information Management, Automation, Carbon Reduction and Net Zero.

### **Infrastructure Consulting**

**Summer Placement Locations:** London

**Requirements:** On track to achieve a minimum of a 2.2 Bachelor's or 2.2 Master's/MEng degree in Civil Engineering

In our Infrastructure Consulting team, you'll work on complex station, depot and trackside civil engineering projects, ranging from the feasibility design stage through to detailed design and subsequent construction support. Our major projects include new stations for Wellington and Cullompton through our Wales & Western Framework with Network Rail, Hydrogen Test Track studies and the design of various platform extensions across the UK to accommodate new trains.

You'll be welcomed into a team of exceptional civil and track design engineers who will support you to

develop your engineering problem solving expertise, with a focus on sustainability and Net Zero. Day to day, you'll derive design solutions, produce drawings, run structural calculations, bid for new projects and work closely with our Project Managers to help with commercial management.

During your Summer Placement with us, you will receive the support and resources to gain exposure to a variety of work.

## **Rail Operations**

**Industrial Placement Locations:** Birmingham, Derby, York

**Requirements:** On track to achieve a minimum of a 2.2 Bachelor's or 2.2 Master's/MEng degree in Mechanical Engineering, Electrical Engineering, Electronic Engineering, Civil Engineering, Aerospace Engineering, Aeronautical Engineering, Automotive Engineering, Chemical Engineering, General Engineering, Systems Engineering

In Rail Operations you will be guided by colleagues with vast operational experience covering areas such as operational readiness and design of new rail systems. We take a whole-systems approach, connecting our services and providing sustainable solutions to our clients. You will have the chance to get experience in different areas, developing your technical and consultancy skills.

- East Coast Digital Programme
- TriLink
- Performance Analysis for Eastern Region North London Line

As part of the Rail Operations team, you will be joining a supportive team, working on a variety of projects where you can make a tangible impact and grow your industry knowledge across the railway network.

## **Business Analysis and Asset Management**

**Summer Placement Locations:** Birmingham, Derby

**Requirements:** On track to achieve a minimum of a 2.2 Bachelor's or 2.2 Master's/MEng degree in Mechanical Engineering, Electrical Engineering, Electronic Engineering, Civil Engineering, Aerospace Engineering, Aeronautical Engineering, Automotive Engineering, Chemical Engineering, General Engineering, Systems Engineering

Our Business Analysis & Asset Management team focuses on optimising asset performance and operational and asset management support. We take a whole-systems approach, connecting our services and providing sustainable solutions to our clients. You will have the chance to get experience in different areas, developing your technical and consultancy skills.

Projects include:

- East Coast Digital Programme
- TriLink
- Performance Analysis for Eastern Region North London Line

As part of the Business Analysis & Asset Management team, you will be joining a supportive team, working on a variety of projects where you can make a tangible impact and grow your industry knowledge across the railway network.

## **Assurance**

**Summer Placement Locations:** Birmingham, Derby

**Requirements:** On track to achieve a minimum of a 2.2 Bachelor's or 2.2 Master's/MEng degree in Mechanical Engineering, Electrical Engineering, Electronic Engineering, Civil Engineering, Aerospace Engineering, Aeronautical Engineering, Automotive Engineering, Chemical Engineering, General Engineering, Systems Engineering

The assurance team ensures that industry standards for safety are adhered to on the railways. We take a whole-systems approach, connecting our services and providing sustainable solutions to our clients. You will have the chance to get experience in different areas, developing your technical and consultancy skills.

Projects include:

- Rolling Stock and Engineering Vehicle commissions
- Safety Management System review for Tyne Metro
- Station Risk Assessments in Belfast

As part of the Assurance team, you will be joining a supportive team, working on a variety of projects where you can make a tangible impact and grow your industry knowledge across the railway network.

## Digital Services

**Summer Placement Locations:** Birmingham, Derby

**Requirements:** On track to achieve a minimum of a 2.2 Bachelor's or 2.2 Master's/MEng degree in Mechanical Engineering, Electrical Engineering, Electronic Engineering, Aerospace Engineering, Aeronautical Engineering, Automotive Engineering, Chemical Engineering, General Engineering, Systems Engineering

Digital Services develops and delivers a broad suite of digital products and services. We take a whole-systems approach, connecting our services and providing sustainable solutions to our clients. You will have the chance to get experience in different areas, developing your technical and consultancy skills.

Projects include:

- East Coast Digital Programme
- Performance Analysis for Eastern Region North London Line
- Various Digital Applications

As part of the Digital Services team, you will be joining a supportive team, working on a variety of projects where you can make a tangible impact and grow your industry knowledge across the railway network.

## Rolling Stock

**Summer Placement Locations:** Derby

**Requirements:** On track to achieve a minimum of a 2.2 Bachelor's or 2.2 Master's/MEng degree in Mechanical Engineering, Electrical Engineering, Electronic Engineering, Aerospace Engineering, Aeronautical Engineering, Automotive Engineering, Chemical Engineering, General Engineering, Systems Engineering

The Rolling Stock team offers a unique opportunity for a passionate Summer Placement Student to make a significant impact in the rail industry. Our work is varied as we solve complex problems for our clients; you could find yourself carrying out feasibility studies for HS2, advising train operators on reducing carbon emissions, reverse engineering components for TfL or fitting modern signalling systems onto heritage steam trains.

Our diverse and supportive team is dedicated to providing you the opportunity over your summer placement to experience and learn about trains, trams, locomotives, and vehicles within a variety of disciplines including mechanical and electrical systems, maintenance management, project management and project engineering, systems, and strategy, as well as engineering design and analysis.

This means that whilst you are with us on the Summer Placement you will have the opportunity to move

between teams and experience different types of work to ensure you are doing work you both enjoy and that is developing you as an individual.

**To apply, please return to the main job specification**