

## Job Description: Temporary Industrial Placement – Simulation Engineer



**Department:** Design

**Job role overview:** The placement will be based within the Design Department where your role will be similar to that of a full time Simulation Engineer. The work will be real, interesting and relevant to your studies, helping to develop and test a broad range of skills drawn from the knowledge you have gained at university. This simulation team role is focussed on FEA but may also include other simulation such as CFD and 1D analysis. Other tasks may include 3D CAD design work, as well as liaising with design teams and internal departments.

Students aren't taken on as extra resource; they are needed to fulfil the role of an engineer and contribute to the design and development of a production motorcycle. The work is real, interesting and relevant to your studies. The design department is made up of small, very focussed teams, which will give you the opportunity to quickly take on a position of high responsibility.

A high percentage of industrial placement students go on to join Triumph in full time employment after graduating and Triumph often offer sponsorship deals to students whom it aims to bring back into full time employment after graduation.

Preferred students should be studying a degree that has been accredited with the IMechE and meets the academic requirements of a Chartered Engineer (CEng).

**Report to:** Specialist Team Leader - Simulation

**Location:** F2, Hinckley, Leicestershire.

Triumph is the original British motorcycling company, it is a business that is famous for building iconic motorcycles, from the original Bonneville to the current Rocket, the unstoppable Tiger Explorer and the incredible Speed Triple. First established in 1902 and now based in Hinckley, Leicestershire, Triumph Motorcycles is the largest British-owned automotive manufacturer.

### **Duties and Responsibilities:**

- An Industrial Placement in Triumph's Design department is ideally suited to Mechanical and Automotive engineering students.
- The role will develop and test a broad range of skills which will include Finite Element Analysis (FEA) and may also include a variety of subjects such as CFD, 3D CAD design work and technical drawings.
- As soon as you join Triumph you will undertake an induction programme and a comprehensive CAD training course (PTC Creo) which will give you the skills required to commence your first projects. FEA training will also be provided.
- Our open plan office layout and management strategy promotes effective and timely communication and teamwork.
- As part of your responsibilities as a Simulation Engineer you will be required to communicate with other design teams as well as other departments within the company such as Purchasing, Quality, Assembly and Manufacturing – developing key skills required by industry.
- We have an IMechE accredited MPDS (Monitored Professional Development Scheme) and Chartered mentors to assist you with your progress on the MPDS.

Please note that this role is only open to undergraduates who need to undertake a year out in industry as part of their degree course. To apply for a position please visit our careers page on: [www.triumphcareers.co.uk](http://www.triumphcareers.co.uk)

## Person Specification: Temporary Industrial Placement – Simulation Engineer



	Essential	Desirable
<b>Qualifications and Attainments</b>	Engineering related degree, accredited with the IMechE and meets the academic requirements of a Chartered Engineer (CEng).	
<b>Professional Experience and Skills</b>	Proficient in Microsoft Packages including Excel, Word and Outlook.	Strong mathematical ability. Ability to code in visual basic or matlab.
<b>Personality and Motivation</b>	Self-motivated and resilient. Flexible and adaptable. Able to take instruction and work under pressure. Excellent communication skills, clear and concise written and verbal skills.	
<b>Appearance and Characteristics Circumstances</b>	Well presented.	
	Flexible on working hours.	