

Pfizer UK Undergraduate Programme 2019/2020

Global Operations

Engineering & Laboratory Support
Discovery Park, Sandwich

Reliability Project Engineer Undergraduate

DEPARTMENT OVERVIEW

Within Pfizer, awarded one of the top employers in the UK, the GO Engineering & Laboratory Support team provides support for the small scale manufacturing operations which produce new and emerging pharmaceuticals for use in clinical trials. Our team is responsible for the continuous improvement and maintenance of pharmaceutical equipment, facilities, and laboratory assets. These include state of the art equipment such as batch reactors, HVAC systems and liquid and gas chromatography mass spectrometers.

You will join and work closely with an experienced team of highly motivated full time engineers and support staff, as well as working in partnership with contract service providers. In this highly regulated industry, you will be challenged to conduct all activities in accordance to standards set by the Environmental, Health & Safety regulatory body as well as maintaining Good Manufacturing Practices.

ROLE PURPOSE

The successful candidate will have the exciting and varied opportunity to work across multiple manufacturing areas including Active Pharmaceutical Ingredient Synthesis, Solid Dose Manufacture and the supporting laboratories.

The Reliability Project Engineer Undergraduate will be designated as the project lead for a variety of projects designed to improve equipment, manufacturing process capability, reliability, and compliance.

Previous projects have consisted of:

- Continuous improvement to chemical transfer pumps.
- Continuous improvement projects in the sites hydrogenation lab.
- Producing a feasibility report for a new cooling tower system.
- Analysing equipment to find root cause of failures and proposing solutions.
- Designing a contingency plan for the sites waste solvent storage tanks and tanker offloading area.
- Upgrading a chiller system on site to a new ammonia chiller.

The role will offer opportunities to liaise with external partner organisations as well as other Pfizer sites.

DEVELOPMENT OPPORTUNITIES

The successful candidate will be provided the opportunity to develop and apply their university knowledge in a highly regulated industry, gaining transferrable skills essential to any employer with an engineering bias. These will include:

- The opportunity to draw on the skills and knowledge of a vastly experienced team of engineers with varying specialisms.
- Project management skills including:
 - Awareness of budgets, cost benefit analysis, development and management of cost plans.
 - Managing the often conflicting needs of different key stakeholders.
 - Managing suppliers and contractors to deliver projects safely, on time, and within budget.
- Report writing at key project milestones to ensure clear and concise communication to management & stakeholders.
- An excellent introduction to European and UK Environmental Health & Safety Regulations used extensively across industry, including the application of risk assessments and change controls.
- Gain an understanding of how an adaptable and efficient engineering team prioritise and schedule work as well as day to day operations to meet objectives inside a challenging industry.
- Opportunities to shadow engineers and gain an insight into hands on work around the pilot plant.
- Establish a strong professional network within the pharmaceutical industry.
- Develop critical thinking in an interdisciplinary environment.

You would also be encouraged to attend funded training courses aimed at advancing your knowledge beyond the scope of your university course in areas of interest to you.

MAJOR DUTIES AND RESPONSIBILITIES

The successful candidate will work with the highly skilled engineering team and customer groups to identify potential improvement projects and drive these to completion. You will be encouraged to lead a number of projects yourself, in addition to being involved in the plan, design and implementation stages of others. This will be achieved through regular meetings with project teams, liaising with external suppliers and using your engineering expertise.

Other responsibilities will include:

- Understand company requirements and create specifications and designs for the engineering solutions
- Ensure maintenance requirements are fully catered for including training, spare part supply, and maintenance schedules
- Carry out Root Cause Failure Analysis (RCFA) to address and resolve repeat failures & provide engineering expertise to troubleshoot problems and provide solutions
- Optimisation studies to define value adding maintenance strategies

- Contractor management and supervision to deliver projects on time & on budget
- Producing drawings with AutoCAD to support projects
- Helping to oversee the sites energy management, including monitoring the sites energy consumption, working with the site landlord to identify opportunities for energy savings and evaluating different engineering projects impact on energy consumption.

You will receive a competitive salary along with benefits including 25.5 days annual leave.

When can I start?

Placements will start on 2nd September 2019 and will run for 12 months.

PERSON SPECIFICATION

An engineering degree which contains a strong mechanical, electrical, or chemical bias is preferred

Applicants must be motivated and possess a strong work ethic, the ability to meet deadlines and also be happy to take ownership of projects as well as being an open, honest and ethical person, with good attention to detail. Other personality traits such as being a self-starter able to operate with the minimum of supervision and possesses excellent communication skills would be advantageous.

The ideal candidate will have excellent technical ability and knowledge as well as strong interpersonal skills. They should be capable of applying their university understanding to real life applications as well as showing a willingness to continue learning.

Please note that we only accept application forms. Please do not send over your CV or cover letter as they will not be considered.