Graduate Trainee Engineer

Starting salary £26,243 pa

Fixed Term Contract for two years

JOB DESCRIPTION

JOB PURPOSE:

To gain a firm grounding in the principles of project engineering and project management for a career in engineering in a research and development setting. This will cover training in a wide range of workplace skills, and include working in collaboration with industry and academic partners.

DUTIES:

1. To be actively involved at a hands on level in carrying out technical research in the areas of Automation Systems, Connected and Autonomous Vehicles or Energy Innovation, to push forward the boundaries of current knowledge in each topic area.

2. To undertake and manage a range of activities to support research projects across WMG, providing technical recommendations, contributing to technical reports and presentations, and disseminating information to relevant colleagues. To record and monitor delivery against targets.

3. To develop an understanding of the role of external funding through research grants or contracts to support the research agenda, and contribute to applications to support research

4. To gain a working knowledge of the role of Project Manager in a research and development centre, to include funding streams and requirements, timescales and budgets, financial monitoring and reporting arrangements. This will include developing working relationships with collaborators, stakeholders and staff, and providing administration across the project which may include organising events, collating information on project activities and providing progress reports, and coordinating ethics and information governance activities.

5. To develop an understanding of the work of all Departments within WMG, to include placements in support functions.

6. To research and produce project reports on relevant issues related to specific research project.

7. To complete a range of courses to include a Project Management qualification.

PERSON SPECIFICATION

POST TITLE: **Graduate Trainee Engineer**

DEPARTMENT: **WMG**

REQUIREMENTS The postholder must be able to demonstrate:	ESSENTIAL (E) OR DESIRABLE (D) REQUIREMENTS	MEASURED BY: a) application form b) Test/Exercise c) Interview d) Presentation
A first degree (minimum 2:1) in Engineering, Maths, Physics, Chemistry, Maths, Statistics or Computer Science or a relevant discipline to be eligible for the programme. (or anticipated by September 2019)	E	a
A keen interest in the technical aspects of Automation Systems, Connected and Autonomous Vehicles or Energy Innovation	E	a, c
Ability to apply skills and knowledge in a new context, and to think beyond traditional solutions.	E	a, c, d
Ability to communicate clearly and effectively through oral and presentational skills	E	a, c
Excellent writing skills and an aptitude for producing succinct and clear reports and papers employing a range of analytical and research skills	E	a, c
Ability to take personal responsibility for own development, with a commitment to study towards further professional qualifications	E	a, c
Strong interpersonal and negotiation skills, including the ability to persuade and influence others	E	a, c
Good team working skills and the ability to work effectively with staff in different teams, and at different levels within the organisation.	E	a, c, d
Good IT skills to include Microsoft office packages, with experience of technical IT systems, or the ability to learn them	E	a, c, d
Highly motivated and enthusiastic, with a willingness to learn	E	a, c
Good analytical and problem solving skills	E	a, c
The ability to work in a fast-paced, creative and innovative environment	E	a, c
Experience of working in a technical engineering environment (either paid work or placement) is desirable	D	