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[News](#)
[Scientific and Technical](#)
[Business](#)
[Careers](#)
[Site Map](#)

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[Jobs](#)
[List](#)
[Full Search](#)
[What's New?](#)
[This Week](#)
[This Month](#)
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[Graduates](#)

Control Systems Graduate

To be a member of the Control Systems Emerging Technologies team. Assist with the development of Warhead Electrical System sub-assemblies and related items

Discipline

Engineering - Systems Engineer

Employment Basis

Full Time

Location

Aldermaston

Salary Range

£20,800 - £34,040 dependent an experience

Job Reference

20/07/01/651975

Key accountabilities

The design and development of control systems in support of Programme Elements as tasked by line management; notably the development and maintenance of demonstrable capability to develop nuclear warhead arming and firing control systems

Responsibilities

- Development of control systems using microprocessors and digital electronics design techniques
- Liaise with other sections and contractors involved in the design and manufacture of components in support of Programme Element activities
- Ensure that designs meet the necessary safety and security criteria inherent in their functionality
- Maintain at all times adequate design records and documentation to demonstrate fitness for purpose of the design and to ensure that custom quality requirements as laid down in the relevant Quality Plan are satisfied
- Plan and monitor progress of work carried out, reporting deviations to the Task Manager
- Liaise with US colleagues with respect to information interchange on system requirements, design methodologies

- and techniques
- Ensure understanding and apply responsibilities with regard to the company's environmental, health, safety, security and quality standards
- Close out and raised quality or safety deficiencies to agreed time scales
- Ensure his/her performance and development is actively managed to meet current and future business needs

Qualifications

- Degree in relevant engineering/science subject or equivalent

Knowledge

- General Safety, Security and Quality procedures as applied throughout the company
- Knowledge of electronics design techniques, in particular digital electronics design
- Knowledge of high level languages

Experience

- Some experience in the design and development of digital/microprocessor systems
- Some experience of designing analogue interfacing circuitry

Skills

- Analogue and digital electronics design
- Computer literate in the use of both office and technical software
- Literate and numerate to a level commensurate with the provision of technical reports
- Able to understand the technical specifications and requirements of Warhead Electrical Systems
- Design of microprocessor systems
- Good verbal and written communication

Behaviours

- The ability to work effectively with others in achieving common goals
- To be self-motivated, requiring little supervision
- Commitment to continuous personal development

Special Requirements

- Willingness to undertake overseas travel (in particular, travel to the USA)

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