

**Business area:** Nuclear and Power

**Requirements:** on track to achieve a 2.2 Masters or MEng Degree in Chemical or Process Engineering

**About us and what we do:**

We are the team that engineer, deliver, manage and decommission nuclear facilities worldwide, using the latest technology solutions to ensure the lights stay on and the world remains a safe place. Our power business has been delivering electrical, civil and structural engineering services to the global power sector for over 20 years. We're now leaning into new energy challenges such as offshore generation and transmission, energy from waste, electric vehicle infrastructure and the integration of smart grid technology - helping to drive evolution in the power sector.

With an unwavering commitment to safety, quality and efficiency, we are well positioned to add value to today's challenges of delivering the next generation of nuclear power plants while at the same time maintaining the existing generating fleet and safely decommissioning legacy facilities. We're now looking to the future, working with Small Modular Reactor (SMR) developers to advance new designs and developing digital applications, such as virtual and augmented reality, for the nuclear industry.

As part of the process team in Bristol you could be involved in designing systems for the new reactor at Hinkley Point, specifying upgrades for existing reactors or wide variety of other projects. You may help writing system descriptions, technical specifications and be involved in multidiscipline teams delivering design optimisation. Right now, we are working on upgrades to a liquid carbon dioxide cooling system, detail design for a semiconductor plant, writing technical specifications for water treatment systems, and running projects to deliver solid waste processes and backup diesel generations systems.

As a placement student you could also be involved in:

- Supporting on some major projects across various areas of Energy from nuclear decommissioning, power generation and renewables.
- Working in partnership with our clients to provide professional consultancy advice, helping them deliver their complex engineering programmes
- Reviewing and developing designs to improve plants, equipment, structures and Energy related systems
- Carrying out surveys and site inspections
- Using a variety of engineering software packages, as well as 2D and 3D modelling for new designs and modifications
- Producing safety cases, reports and documentation to support the planning, design, operation, maintenance and decommissioning of Energy facilities
- Carrying out design and assessment for new build projects as well as additions, modifications and repairs to existing assets.

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

# ATKINS

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