

<b>Business area:</b> Nuclear and Power
<b>Requirements:</b> On track to achieve a minimum of a 2.2 Master's/MEng degree in Chemical or Process Engineering
<b>Our teams and what they do</b> <p>Our team engineers, manages, delivers and decommissions nuclear facilities worldwide. We use the latest technology solutions to deliver efficient nuclear power today and safeguard our energy future.</p> <p>Atkins has been delivering engineering services to the global power sector for over 20 years. We are trusted partners for Hinkley Point C new build, Sellafield waste management and Magnox decommissioning work. 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.</p> <p>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.</p> <p>We have opportunities for placement students across a range of our Nuclear teams in the UK; here's a little about what they do.</p>
<b>Glasgow</b> <p>Our team supports new build projects across a range of technologies including gas, biomass, WtE for both large scale and decentralised energy assets. We also assist our clients in maintaining, and improving the performance of, their existing assets. We're looking for bright, enthusiastic engineers who thrive on a varied technical challenge and want to play their part in changing the way we generate and use electricity and heat.</p> <p>In addition to some of the responsibilities, as placement student, you could also be involved in;</p> <ul style="list-style-type: none"><li>• Supporting on some major projects across various areas of Energy from nuclear decommissioning, power generation and renewables.</li><li>• Working in partnership with our clients to provide professional consultancy advice, helping them deliver their complex engineering programmes</li><li>• Reviewing and developing designs to improve plants, equipment, structures and Energy related systems</li><li>• Supporting with surveys and site inspections</li><li>• Using a variety of engineering software packages, as well as 2D and 3D modelling for new designs and modifications</li><li>• Assisting with safety cases, reports and documentation to support the planning, design, operation, maintenance and decommissioning of Energy facilities</li><li>• Carrying out design and assessment for new build projects as well as additions, modifications and repairs to existing assets.</li></ul>
<b>Bristol</b> <p>As part of the process team you would be involved in technically demanding projects, providing system descriptions, technical specifications and be involved in delivering multidisciplinary design optimisation.</p>

Projects our team are currently involved with include:

- Developing waste processing designs for HPC from detailed design through commissioning. Our team offers site support and secondment opportunities in the UK Design Centre at Edvance.
- Feasibility assessment of direct heat usage technologies for integration with UKAEA's planned STEP fusion reactor.
- Designing innovative high temperature test loops for UKAEA's NTHF, using novel materials and measurement techniques.
- Detailed design of gas systems for semiconductor manufacturing, providing high precision flow networks and safely designing for toxic and flammable materials.

Our team has a designated net-zero focus group, offers tailored training opportunities and charterhip mentoring. The team is committed to developing early talent and using your unique skills to push a low-carbon energy future.

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