

Nuclear Engineer

The Nuclear Engineering Function in Submarine Solutions supports the effective design, build and commissioning of the nuclear propulsion submarines. Safety is a priority and exacting quality standards are applied to all nuclear related activities. Additionally the facilities and the work undertaken are externally regulated.

As a Nuclear Engineer you will be part of a team and could undertake a range of activities such as ensuring that the product meets the design intent, controlling nuclear build activities, procedural control of the Nuclear Steam Raising Plant (NSRP), management of fuel on site on or even integrating the nuclear reactor into the submarine and testing it.

As a Nuclear Engineering graduate you are encouraged and supported to develop nuclear knowledge and skills that can be applied across the lifecycle of the product. This includes networking with others both internal and external to the business in order that both you and the business continually apply Learning from Experience and maintain our capabilities at the forefront of industry best practice.

Throughout your two years on the Graduate Development Framework (GDF) you are presented, through your placements, with the opportunity to both gain experience and to contribute to several different aspects of the Nuclear Engineering workstreams, throughout the lifecycle of the product thus allowing you to find and build upon your own interests and strengths.

Upon completion of the GDF a Nuclear Engineering Graduate could expect a rewarding career which may be (but is not limited to) in any of the following areas:

- Nuclear Engineering Operations e.g. nuclear fuelling, procedure development, control of build activities and implementation of the safety case
- Design integration and product verification for the Naval Reactor Plant (NRP)
- Testing and commissioning of the NRP systems
- Radiation protection and shielding
- Nuclear instrumentation.

The graduate would continue to be supported through the Engineering Developing You (EDY); framework used within BAE Systems to enable people to identify their capability, strengths and development needs. Along with this any appropriate specialist nuclear training or further development will be provided.

For a graduate to consider working in Nuclear Engineering; the candidate would have an engineering/science related degree with a minimum 2:1 result. Any nuclear specific training would be provided on the job as appropriate.