

Advanced Apprenticeship

Pipe Fabricator

The role of Pipe Fabricator within BAE Systems (Submarine Solutions) would involve working from planned drawings, fabrication and fitting of various pipe work installations. These would range from less complex hot and cold water systems right through to First Level stainless steel, nuclear reactor pipe work. This work would include using state of the art computer aided bending machines to numerous hand tools (pipe cutters, hacksaws, files etc.).



Throughout the apprenticeship programme, individuals will learn how to fabricate pipe work, of various shapes and lengths whilst complying with strict tolerances; this is achieved using a number of techniques, brazing and compression fittings as examples. Experience will be gained fitting the fabricated pipes onboard the vessel, securing using block clips, fish tales etc, individually or as part of a team.

The first year of the programme is a full time college course completing the Performing Engineering Operations (PEO) a level 2 NVQ Qualification. Whilst undertaking this you will learn the basic skills of using hand tools before moving on to the operation of machinery. You will also be educated in Health and Safety requirements while in the workplace. Five Key Skills qualifications will also be gained in the 1st year at level 2.

In the second year you will be introduced to the company and begin 12 months of department placements, each placement lasting for 3 months. During this time you will start to learn about the structure of the company and will be given an insight into the world of Engineering. You will also attend college one day a week on day release where you will be working towards gaining your two year academic qualification (Advanced Diploma level 3).

Throughout your apprenticeship you will be given opportunities to partake in extra curricular activities such as the Apprentice Innovation Challenge this is run in association with the UK's partner charity who present a mechanical and electrical challenge to our apprentices throughout the UK. There is also the Company Ambassadors scheme, where individuals get the opportunity to go back to their former school and pass on experience and knowledge which has been gained while working in BAE Systems.

Further Education is actively encouraged by the Company and individuals will be given the opportunity to further their studies. Those showing outstanding commitment and promise will be fully supported and qualifications leading up to degree level are attainable.



Application is via the BAE Systems website, by completing the on line application form at the link below. Successful applicants will be contacted and informed of the next stage of the application process which involves aptitude tests and interviews, followed by medicals and security clearance.