

## Advanced Apprenticeship

### Fitter

In the role of mechanical fitter in BAE Systems (Submarine Solutions) individuals will gain a wide scope of Marine / Mechanical fitting experience. Using Engineering drawings you will be involved in the manufacture, installation, testing and commissioning of all hydraulic, pneumatic and mechanical equipment including Main Propulsion Machinery, Weapons systems and Reactor services. Day to day tasks could include measuring a paper thin gap using specialist measuring equipment or fitting a unit the size of a double-decker bus. All tasks need the support of a number of trades to complete and part of the role would be to liaise between different tradesman. On a large unit move this could include heavy lifting squad, slingers, Optical alignment squad and you. Many skills will be gained, including 'facing off' seats/castings (to gain near perfect flat surfaces), using face plates and feeler gauges, alignment of equipment (verifying with optical measuring equipment). Individuals will also gain experience when carrying out testing procedures ranging from leakage testing of pipe systems to the running of major equipment.

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 1<sup>st</sup> 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 or National Certificate). As you progress in the company you will be working towards a NVQ Level 3 in Mechanical Manufacturing Engineering proving competence in your chosen discipline.



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

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.