

Systems Engineering

Systems engineering looks at projects from a holistic point of view, taking into account every aspect across the entire project lifecycle. Where other engineering disciplines can be isolated – focusing on specific details - systems engineering is concerned with integrating these individual aspects to achieve the bigger picture. In addition to the technical aspects of projects systems engineers must also consider important factors such as schedules, costs, training and support, environmental and social concerns and disposal.

The inherent variety involved in systems engineering provides exposure to a wide range of disciplines. And as a systems engineer working for BAE Systems you can expect to be involved in a broad range of tasks including requirements definition/management, systems architecting, top-level functional design, design compatibility, design maintenance, cost analysis and scheduling to name but a few. You will also have the opportunity to interact with a variety of stakeholders from managers and engineers to customers and suppliers.

To succeed as a systems engineer in BAE Systems you must have a 'systems thinking' mentality and be able to appreciate the bigger picture without getting over-involved in the detail. In addition to sound technical knowledge and a logical approach to problem solving you will also require excellent communication, team working and interpersonal skills.

As a graduate at BAE Systems a lot is expected of you and you will be continually challenged. However the Graduate Development Framework provides the ideal support, training and structure to help you develop and meet those challenges. Numerous development and training opportunities are provided over the two years and graduates are encouraged and supported in working towards chartered engineer status.

On completing the GDF you will enter the company at an engineering practitioner level. From here development and progression is dependent on the career path the individual wishes to take. Those more technically focused may go on to become subject matter experts or system design authorities, whilst those with a desire to lead may go on become engineering managers.