

# Military Air Solutions

## Systems Engineering

As we build and develop more complicated products; we need people and expertise that can knit these highly complex technologies together. We need individuals who are trained to integrate systems whilst ensuring that the overall capabilities fit an actual requirement.

Systems engineers constantly look at the bigger picture, not just their sub-system, or the whole product itself, but where the product will be used and how it fits into the customers' existing world. They consider the whole life of a product, from "cradle to grave".

Put simply; systems engineers choose the jigsaw pieces that fit together that when completed make the picture the customer needs to see.

Systems Engineering Graduates at BAE Systems will typically get involved in integration roles at various levels – system or sub-system. It will involve liaising with technologists and experts, managing the interfaces between them and drawing together this expertise into one system.

You may have an involvement with requirements capture, understanding the customers' needs and how these can be broken down. Possibly you will be responsible for sections of the Engineering Lifecycle, managing the developing system through its life and identifying challenges and solutions at points far ahead in the life of the product.

You don't need a degree in Systems Engineering to be a Systems Engineering Graduate. You need a technical degree and an aptitude for engineering, a desire to learn about a large number of disciplines, good communication skills and an ability to consider the bigger picture.

Systems Engineering Graduates will be exposed to a large number of disciplines the graduate scheme giving you the potential to gain a broad range of experiences. Your time on the graduate scheme will be mentored but also self-directed and so many opportunities with varying responsibility levels are available in MAS for the graduate willing to look for them.

The future is good for Systems Engineers. Technology is only getting more complex and a multidiscipline approach is essential. Within BAE Systems, you would expect to be gain more responsibility in increasingly complex systems over time. With your broad experiences, you will be able to apply yourself to a multitude of different projects.