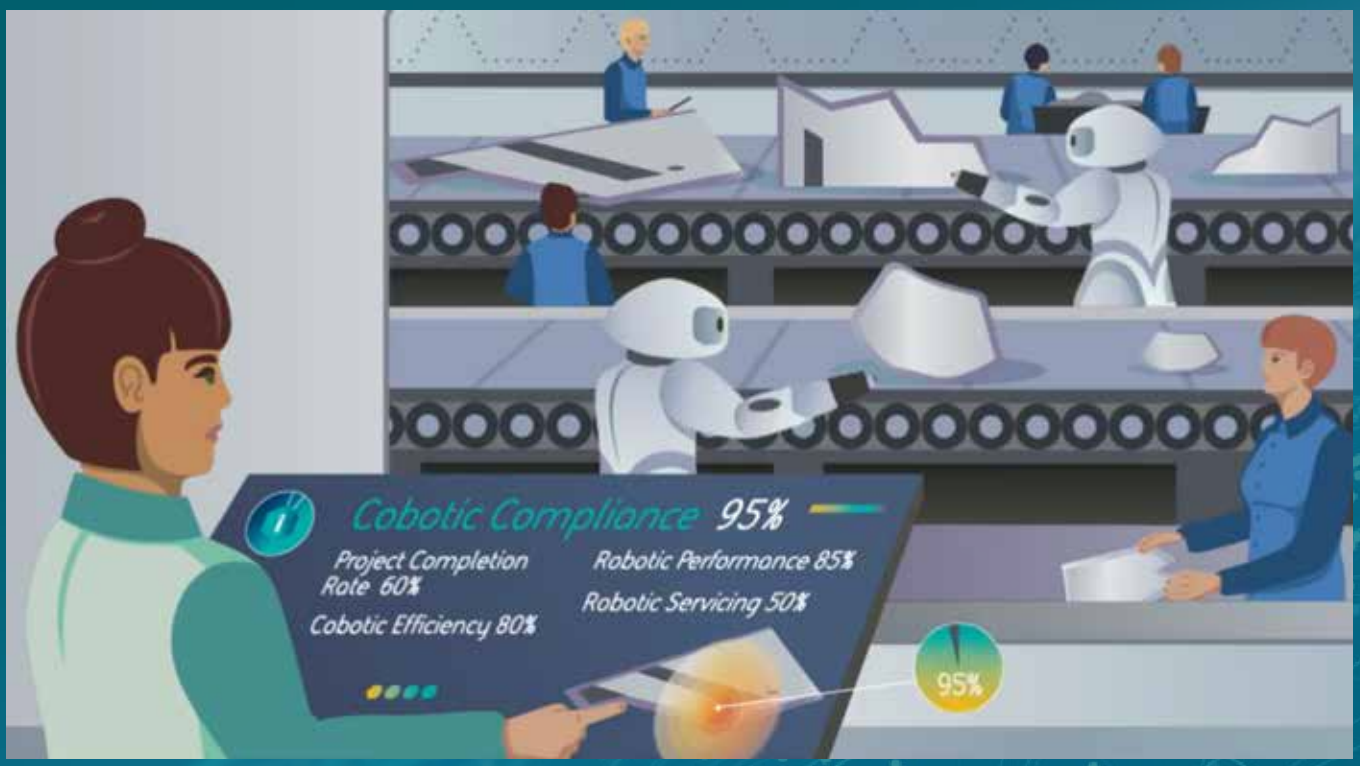
# Future Careers at BAE

## Auto-Advisor

As organisations increasingly turn to robotic automation, robots will take more of a 'one size fits all' form that equips them to take on a number of different tasks. As human and robotic working becomes more intertwined, an Auto-Advisor will provide advice to companies on where robotic automation can be applied, ensure the automated workforce is in line with official guidelines and identify opportunities for upgrades to surpass existing limitations to be as effective as possible working alongside humans.

**Areas of study:**
Robotics; Mechanical Engineering and Physics.




BAE SYSTEMS

# Future Careers at BAE

## VR Architect

As platforms used for aviation, on the ground or at sea become more complex, 'digital twins' could be created so AI modelling can be used to accurately predict which of the parts need maintenance remotely. VR Architects will be responsible for using virtual and augmented reality to map and monitor the lifespan of the component parts within the vehicle so can be managed as effectively and safely as possible.

**Areas of study:**
Graphic Design and Information Technology (IT).

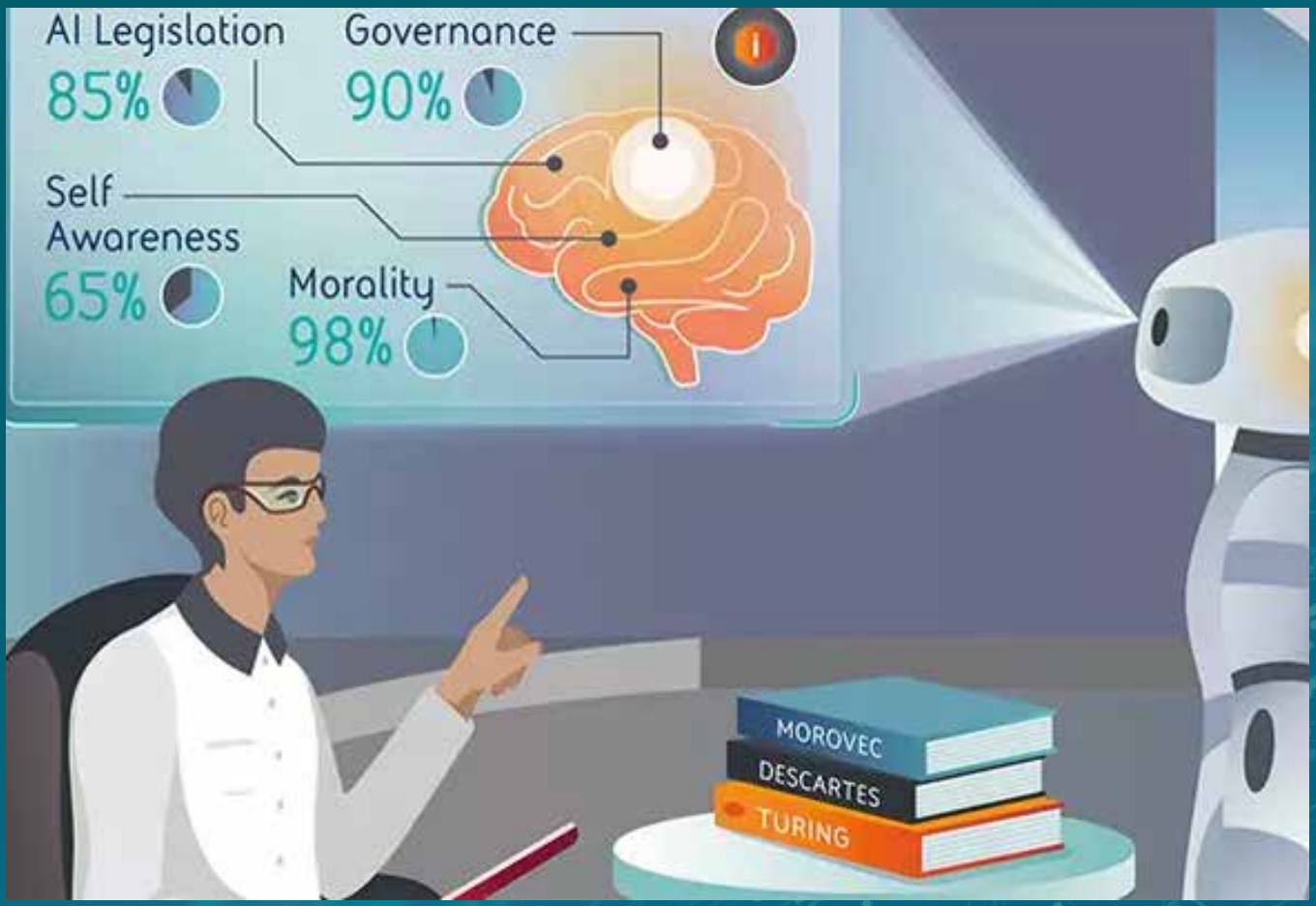

BAE SYSTEMS

# Future Careers at BAE

## AI Ethicist

As AI is trusted to make more complex decisions, it will become essential that it is programmed, deployed and maintained responsibly. An AI Ethicist's role will be to ensure that AI is underpinned by robust ethics, does not display biases and does not deviate from serving the needs of an organisation.

**Areas of study:**
Philosophy; History and Maths.



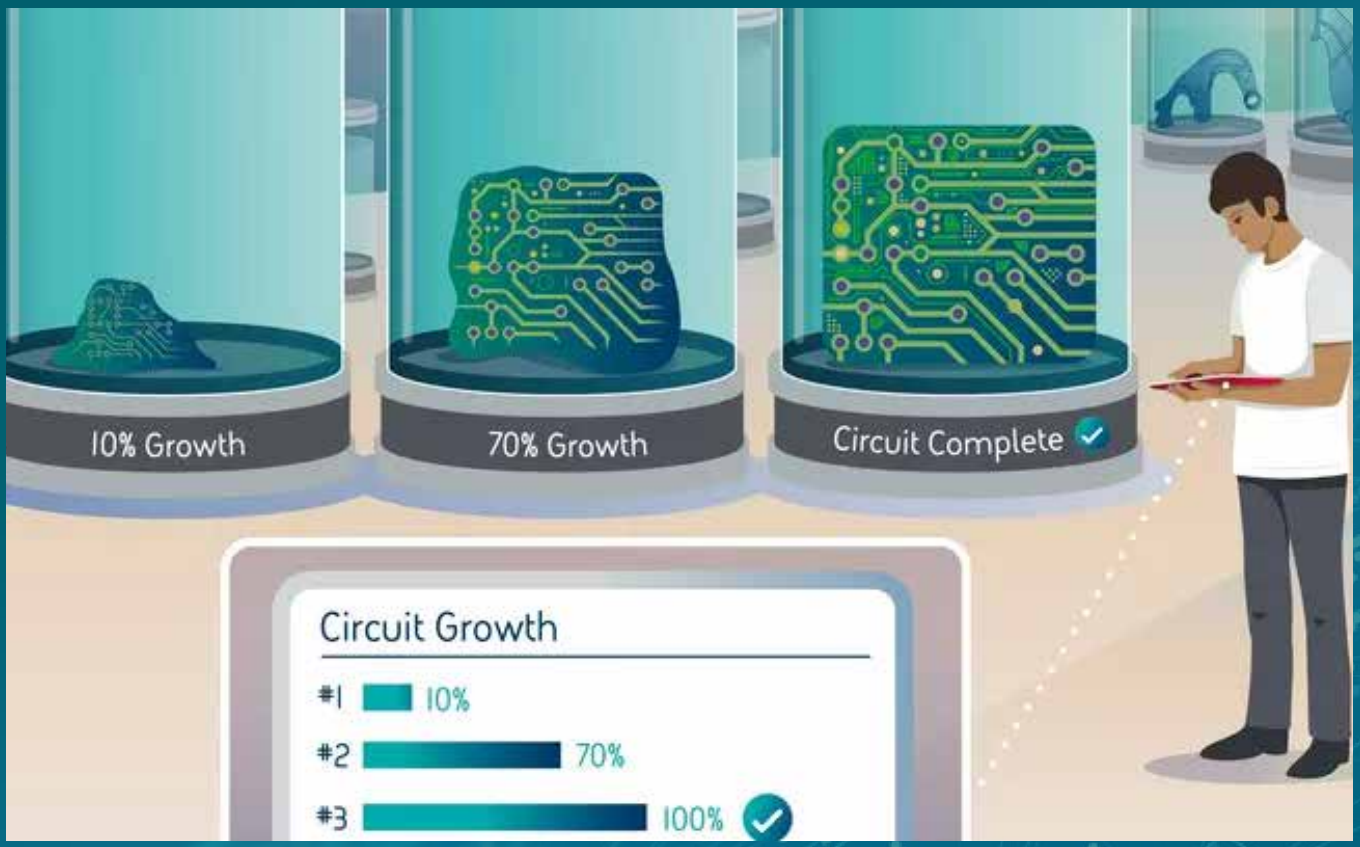

BAE SYSTEMS

# Future Careers at BAE

## Systems Farmer

Technologists are on the verge of a revolution in synthetic biology and chemical engineering in production where we can expect to be 'growing' macroscale multi-function aircraft parts for example, with desirable nanoscale features. Known as 'chemputing', these component parts can sense, process and harvest energy while also being super strong - and perhaps even able to self-repair.

**Areas of study:**
Chemistry; Biology and Chemical Engineering.




BAE SYSTEMS

# Future Careers at BAE

## Human e-Sources Manager

A Human e-Sources Manager would use performance-based wearables or e-textiles to measure data such as cognitive workload, wellbeing and output on an ongoing basis. They might be the first to identify an employee is becoming ill or respond to other medical indicators to offer occupational support or additional training to deal with potential stressful situations.

**Areas of study:**
Psychology, Biology, Medical Sciences.


BAE SYSTEMS

# Future Careers at BAE

## AI Translator

As human and robotic working or 'cobotics' becomes more intertwined, the AI Translator will be responsible for training both the human and the AI assistant, helping them develop an effective 'teaming' relationship. This will involve tuning the AI assistant, tailoring it to the human worker's personalised needs – while also watching out for and correcting any machine or human errors.

**Areas of study:**
Cybersecurity; IT and Mechanical Engineering.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