

What is a Production Engineer?

A Production Engineer has a wide breadth of knowledge in engineering practice, manufacturing technology and operations management. It is the Production Engineers role to improve the supply chain, manufacturing and test and ensure we deliver products with the right quality and cost to our customer.

What does the role entail?

A Production Engineer has to be able to deliver changes in areas as diverse as production planning through to defining how we test a component, to how we judge a manufacturing area to be well organised, clean and ergonomically correct for the work being done. The role needs a person with an open mind and a “can do attitude”. You will be the sort of person who can get engineers and scientists to trust your judgment, convince shop-floor staff to change their working practice and deliver business cases to managers for the need for investment in new projects.

What qualifications do I need?

Today at Newport we have engineers with HNC's in Manufacturing Engineering, Electrical Engineering, Avionics and Mechatronics; HND's in Motorsport Engineering and Electrical & Electronic Engineering, BSC Industrial Design Engineering, BSc Electrical Engineering, MSC's in Lean Operations and Technology Management. In an organisation like SPTS this range of skills is critical because in solving problems you may encounter issues that require mechanical, electrical and software inputs; so lateral thinking and the ability to convince others that a new idea is the right solution for the organisation are critical.



“Being a Production Engineer allows me to learn and gain experience in all sides of the industry.”

Florence
Apprentice Production Engineer



Lowri, Apprentice Production Engineer

How did you come to work at SPTS?

I wanted to further my career in a production environment. Through my college, an apprenticeship became available so I applied and was given the opportunity to become an Apprentice Production Engineer.

What does your job involve?

My job involves continuously improving processes on the shop floor, find efficient ways of working which will make processes such as building a machine quicker, implementing minor design changes, aiding manufacturing with any issues that arise and helping coordinate projects with manufacturing.

What subjects did you study?

I studied all the basic subjects in high school plus engineering and statistics as extra subjects. Then, I completed Level 3 Diploma in Aeronautical Engineering at college. After starting my apprenticeship I completed my Level 3 Diploma in Mechanical Engineering at NDGTA and I'm currently studying for my HNC in Mechanical Engineering.

What qualifications do you have?

I hold 12 GCSEs ,with a Distinction* in Engineering, and Level 3 Diplomas in both Aeronautical and Mechanical Engineering.