



Engineering

2% of people are employed in advanced engineering in the Humber using cutting-edge techniques and processes

Engineering is the application of scientific, social, and practical knowledge in order to invent, design, build, maintain, research, and improve structures, machines, devices, systems, materials, and processes.

The discipline of engineering is extremely broad, and encompasses a range of more specialised fields of engineering, each with a more specific emphasis on particular areas of applied science, technology and types of application.

- The Engineering industry requires more qualified people.
- Britain will need more than a million new engineers and technicians by 2020, which will require doubling the number of annual engineering graduates and apprentices.
- Nationally only 7% of the Engineering workforce is female.
- Engineers often use computers and new technologies to design new products.
- Engineering is not just about getting dirty it is very creative work and involves problem solving.
- Engineers can work in many different industries with particular demand in the maritime sector.
- Engineering accounts for 9% of employment in the whole of the Yorkshire and the Humber.

Types of Job	National Average Salary
Mechatronics Technician	£32,275
Maintenance Fitters	£32,204
Mechanical Engineer	£45,855
Design Engineer	£41,869
CAD Designer	£32,722
Engineering Technician	£36,550
CNC Machinist	£27,682

Skills/qualities

- Problem solving
- Attention to detail
- Communication
- Accuracy
- Creative thinking
- Interest in how things work

Useful subjects include

- Design and Technology
- Maths
- IT
- Science
- Engineering

Some local employers

- BAE Systems
- Point
- British Steel
- Kingston Engineering
- GWF Engineering
- Britcon
- APT
- Alliedprotek

Sources: Annual Survey of Hours and Earnings, ONS 2015
Business Register Employment Survey, NOMIS 2016 (2014 figures).

Interested? For more information...

- www.euskills.co.uk www.talentsourcenetwork.co.uk
- www.energyinst.org/home www.engineergirl.wes.org.uk
- www.tomorrowseengineers.org.uk www.engc.org.uk
- <http://greenporthull.co.uk/jobs-training>

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