

HUMBER

DEMAND & GROWTH AREAS

Five largest growth sectors

- Insight into the sectors
 - Useful subjects
 - Good to know skill sets
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Some industry sectors and trades thrive in certain areas of the country and the Humber region is no different. The five largest growth sectors are listed in this guide and demand for skilled workers in these areas is extremely high.

PORT & LOGISTICS

Ports have, throughout history, been a place where goods and people arrive or leave the country by sea. Logistics is the management, movement & storage of products. It is about getting the right product to the right place, at the right time. It is also about the movement of people by road, rail, sea and air. It includes postal and courier services. Large companies such as supermarkets run their own logistics while other companies outsource all their logistics to specialist companies.

- The Ports & Logistics Sector accounts for 5% of the region's workforce, employing around 21,000 people.
- The sector is set to continue to grow in the Humber as a result of the investment in the Energy Sector and the announcement of a Humber Freeport.
- The skills profile of the maritime sector will change significantly over the next 30 years. The importance of STEM subjects will increase as jobs become more skilled and data driven in response to new technology.

Useful Subjects

- Maths
- IT
- Science
- English

Good to Know: Skills in demand by the sector are team work, interpersonal skills, communication, organising & planning.





MANUFACTURING

Manufacturing is the production of goods from the beginnings as raw materials to after sales services.

Manufacturing today is usually high-tech production on a large scale.

Most manufacturing processes are automated to ensure products meet quality standards and can be produced in large volumes to meet demand.

Advanced manufacturing involves the use of technology to improve products and processes.

- The Manufacturing Sector accounts for 14% of the region's workforce, employing over 63,000 people.

- The manufacturing sector has adopted new technologies and provided new jobs for workers. The industry is now experiencing exciting and exponential change, as technologies such as artificial intelligence (AI), robotics, and

Internet of Things (IoT) are rapidly changing the workplace. While some predicted that these new technologies would eliminate jobs, the reverse has happened – more jobs are being created.

- CAN-PACK UK has produced its 10 billionth can, enough cans to stretch to the moon and back.

The plant produces 6 million cans a day.

Useful Subjects

- Maths
- Engineering
- Science

Good to Know: A lot of newer and really exciting jobs that offer a good salary package need a science, technology, engineering and maths base.

ENGINEERING

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 Sector accounts for 2% of the region's workforce, employing over 7,500 people

- New industries and technologies are emerging, adding to already significant demand for engineering skills. 203,000 people with Level 3+ engineering skills are needed every year to meet demand

- There is an annual shortfall of up to 59,000 engineering graduates and technicians to fill core engineering roles nationally

Useful Subjects

- Maths
- Design & Technology
- Science
- Engineering
- IT

Good to Know: A lot of newer and really exciting engineering jobs that offer a good salary package need a science, technology, engineering and maths base.



CREATIVE & DIGITAL

Creative and digital industries and about the creation and development of products and ideas. They include industries such as computer games design, animation, social media, film and TV, graphic design and advertising, music performing arts, libraries and visual arts. Machine Learning, Mobile Development, SEO/SEM Marketing, Data Visualization, Data Engineering, UI/UX Design, Cyber-security 8. Cloud Computing/AWS, Blockchain, IoT are all new skills required in 2019. These will play a huge part in the future of many businesses

- Hull is the centre of East Yorkshire and North Lincolnshire's digital tech community, with 6,914 digital jobs based within the city contributing £254m to the digital GVA.
- Jobs requiring digital tech skills command higher salaries, on average, £42,578 compared to £32,477 per year, while digitally enabled jobs – those requiring only some engagement with digital tech – bring in £35,227.
- Skills shortages are in multiplatform skills – the ability to produce content

across all potential platforms, such as the web, mobile, ipad or TV and transfer skills from one sector to another

Useful Subjects

- Maths
- IT
- English
- Design & Technology

Good to Know: A lot of newer and really exciting jobs in this sector that offer a good salary package need a technology and maths base.

ENERGY

The Energy Sector relates to the production and supply of energy. Renewable energy is generally defined as energy that comes from resources which are naturally replenished on a human timescale such as sunlight, wind, rain, tides, and waves. Renewable energy replaces conventional fuels in four distinct areas, electricity generation, air and water heating/cooling, motor fuels, and rural (off-grid) energy services.

The Energy Sector is very closely linked with engineering, manufacturing and ports & logistic sectors.

- Labour demand across the energy and infrastructure sectors will be significant, totalling around 760,000 by 2024. This includes 160,000 new jobs and replacing 600,000 people due to retirements.
- There will be a total labour demand of 8.7 million jobs in the UK by 2024.
- The offshore wind sector will need to compete against other desirable infrastructure sectors to acquire the 36,000 people that will need to be employed by 2032.

Useful Subjects

- Maths
- Engineering
- Science
- Technology

Good to Know: Emerging roles within this sector offer exciting jobs with good salary packages.

Many require a science, technology, engineering or maths base.



HUMBER OUTREACH PROGRAMME



Hull and
East Yorkshire
Local Enterprise
Partnership

Website: www.hop-humber.co.uk/

Facebook: [@humberoutreachprogramme](https://www.facebook.com/humberoutreachprogramme)

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