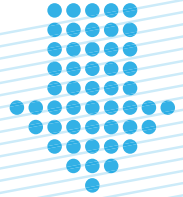




**LIVERPOOL  
CITY REGION**  
COMBINED AUTHORITY

**METROMAYOR**  
LIVERPOOL CITY REGION

Thinking of a Career...



**Technical  
and Higher  
Level Skills**



**European Union**  
European  
Social Fund

**APPRENTICESHIP  
SUPPORT**

BY BE MORE



## Introduction

The Government has recognised that a world- class system of technical education is critical for two main reasons:

- It improves the skills of young people and helps to increase the productivity of our country and;
- It improves social mobility- which, simply, is the ability of individuals, households or groups to move and progress through society's hierarchy, including the types of jobs they access, how they access them, and the pay associated with these jobs.

Technological changes will alter the demand for skills- in particular the type, nature and location of job opportunities available. Equipping young people with higher-skills and technical skills required for the changing labour market, and in non- routine jobs, will help to ensure that they are more resilient to the potential effects of automation and the impact of digitisation.

Technical skills refers to the knowledge and expertise needed to accomplish complex tasks and processes. Higher level technical skills and qualifications are those at Level 3 (NVQ Level 3 or two or more A levels equivalent) and above. They are practical and often relate to mechanical, information and communications/ creative technologies, mathematical, or scientific tasks.



**Higher and Degree Apprenticeships are a great alternative to university and the greatest density of degree apprenticeships are in the North West and North East of England**

**A world-class system of technical education is critical**



Locally, **15%** of businesses recruited to acquire new or additional skills



## What are higher-level technical skills?

Forecasts suggest that expansion demand (newly created jobs which are an additional number of jobs in the economy) is expected to be focused in high-skilled occupations. The demand for intermediate level jobs will, however, still exist due to an ageing workforce as well as companies growing and expanding- allowing young people and adults to progress to higher- level positions.

To improve the standard of Technical Skills of young people in the country, the Government's focus is in two main areas:

- The Introduction of T Levels from September 2020- which will provide a high quality technical option alongside an academic option for students aged 16 to 19; and
- Reformed apprenticeships- via the introduction of Apprenticeship Standards, and the introduction of the Apprenticeship Levy- to encourage more employers to invest in the skills of their workforce and provide more apprenticeship opportunities.

Within the Liverpool City Region, employers report a tightening of the labour market, with difficulty filling technical roles due to a shortage of qualified candidates.

Locally, a key feature of labour market change has been a growth in higher skilled occupations, with management, professional and technical jobs now representing 42 per cent of total employment.

### QUICK FACTS

Higher apprenticeships provide an opportunity to gain **Level 4** qualifications or above.

Management, professional and technical jobs now represent **42%** of total employment

T Levels become available in 2020 initially in 3 areas: digital production, design and development; design, surveying and planning and education





# What types of jobs are available



## IT operations technicians

IT operations technicians are responsible for the day-to-day running of IT systems and networks including the preparation of back-up systems, and for performing regular checks to ensure the smooth functioning of such systems.

Annual Pay  
**£34,320**

Hours/Week  
**38h**



## Building and civil engineering technicians

Building and civil engineering technicians perform a variety of technical support functions to assist civil and building engineers.

Annual Pay  
**£32,240**

Hours/Week  
**46h**



## Civil Engineers

Civil engineers undertake research and design, direct construction and manage the operation and maintenance of civil and mining engineering structures.

Annual Pay  
**£43,160**

Hours/Week  
**41h**



## Design and Development Engineers

Design and development engineers conceive engineering designs from product ideas or requirements in mechanical, electrical and electronic engineering.

Annual Pay  
**£44,720**

Hours/Week  
**39h**



## Science, Engineering and Production Technicians

Job roles in this group perform a variety of technical support functions.

Annual Pay  
**£30,680**

Hours/Week  
**41h**

To search for further roles and salaries visit [www.Imiforall.org.uk/widget](http://www.Imiforall.org.uk/widget)



### Engineering Technicians

Engineering technicians perform a variety of technical support functions to assist engineers with the design, development, operation, installation and maintenance of engineering systems and constructions.

Annual Pay  
**£39,000**

Hours/Week  
**41h**



### IT Business Analysts, Architects and Systems Designers

Job roles in this group provide advice on the effective utilisation of IT and design IT systems in order to meet the business objectives or to enhance the business effectiveness of the organisation.

Annual Pay  
**£52,000**

Hours/Week  
**38h**



### Health professionals

Job holders in this group perform a variety of other health-related professional occupations.

Annual Pay  
**£36,920**

Hours/Week  
**39h**



### Medical and dental technicians

Medical and dental technicians operate, calibrate and maintain cardiographic and encephalographic testing equipment, assist in the conduct of post mortems, give simple dental treatments, fit artificial limbs and hearing aids, and undertake a wide range of related medical and dental tasks.

Annual Pay  
**£31,200**

Hours/Week  
**40h**



### Plumbers and Heating and Ventilating Engineers

Job holders in this group assemble, install, maintain and repair plumbing fixtures, heating and ventilating systems and pipes and pipeline systems in commercial, residential and industrial premises and public buildings.

Annual Pay  
**£33,280**

Hours/Week  
**42h**

All hours and salaries are averages taken from [www.Imiforall.org.uk/widget](http://www.Imiforall.org.uk/widget)

What types of jobs are available?





## How to get into the sector



### Useful core subjects include:

**Maths and English**

**Physics**

**Chemistry**

**Biology**

**ICT/ Digital**

**Design and Technology (e.g. Art and Textiles, Product Design)**

**Computer Science (including coding and systems analysis)**

**Electronics**

### Important skills to have:

**Literacy and Numeracy**

**Problem solving**

**Data and analytical**

**STEM- Science, Technology, Engineering, and Maths.**

**Planning and Construction**

**Project management**

**Teamwork and working with others**

**ICT / Digital skills**

**Resilience, patience and problem-solving**



To search for further roles and salaries visit [www.imiforall.org.uk/widget](http://www.imiforall.org.uk/widget)

With more than **100,000 students**, of which **30,000 graduate** each year, Liverpool City Region offers you direct access to some of the world's best resources:

<b>Apprenticeships and Traineeships</b>	<p>Apprenticeships combine a job with practical training and study.</p> <p>Apprentices:</p> <ul style="list-style-type: none"><li>• Work alongside experienced staff</li><li>• Gain job-specific skills</li><li>• Earn a wage and are entitled to holiday pay</li><li>• Get time off the job for study related to your role (usually one-day a week)</li></ul> <p>If you are a young person aged 16 to 24 and would like to secure an apprenticeship but don't yet have the appropriate skills or experience then choosing a Traineeship as an option may help you acquire the entry requirements needed.</p> <p>Further information available at: <a href="https://be-more.info">https://be-more.info</a></p>
<b>Training Providers</b>	<ul style="list-style-type: none"><li>• School Sixth Forms</li><li>• FE Colleges including VI Form Colleges</li><li>• Independent Training Providers</li><li>• Adult and Community Learning Providers</li><li>• University Technical Colleges (UTCs)</li><li>• Studio Schools</li></ul>
<b>Universities and Higher Education Institutions</b>	<ul style="list-style-type: none"><li>• University of Liverpool</li><li>• Liverpool John Moores University</li><li>• Liverpool Hope University</li><li>• Edge Hill University</li><li>• The Liverpool Institute for Performing Arts (LIPA)</li></ul>





Find out more...



Jobs and Salary Information  
[www.lmiforall.org.uk](http://www.lmiforall.org.uk)



Virtual Engineering Centre: find out about the development and integration of Virtual Engineering technologies [www.virtualengineeringcentre.com/about/](http://www.virtualengineeringcentre.com/about/)



STEM Learning  
[www.stem.org.uk](http://www.stem.org.uk)



Sci-Tech Daresbury  
[www.sci-techdaresbury.com](http://www.sci-techdaresbury.com)



Career opportunities available in construction and the built environment  
[www.goconstruct.org](http://www.goconstruct.org)

