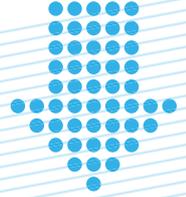




**LIVERPOOL
CITY REGION**
COMBINED AUTHORITY

METROMAYOR
LIVERPOOL CITY REGION

So you're thinking of a career in...



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What is the Innovation sector all about?



Innovation in business or the workplace is about generating new ideas for products or services – either around what is produced and made, or the way in which the customer accesses or consumes the product or service.

Creative thinking lies at the heart of innovation and helps businesses and organisations to be competitive and successful. Innovation is not just about thinking of new ideas or concepts it is also about applying them and taking them to the market place.



The technology that drives 95% of the world's smart phones, 80% of digital cameras and 35% of all electronic devices was developed in the UK

Source: Royal Society UK research and innovation factsheet



Established in 1898,
Liverpool School of
Tropical Medicine was the
first institution

in the world dedicated to
research, innovation and
teaching in tropical
medicine



Will there be opportunities and where are they?

A culture of innovation drives the development of new products and processes and improves business effectiveness and efficiency. It is not always about new and radical inventions; new processes and ways of working within an individual business can be seen as innovative.

The increasingly rapid pace of technological change and digitalisation of products and processes has raised the demand for innovation skills and competencies. It is always a challenge for businesses to make sure that their staff can keep pace with the speed of change.

For the Liverpool City Region, innovation is in our DNA and our record continues with world leading facilities and businesses that provide exciting opportunities such as the Materials Innovation Factory; Sensor City; Sci-Tech Daresbury (in partnership with IBM research) The Knowledge Quarter; Jaguar Land Rover; Astra Zeneca; Alstom; Pilkington and Unilever to name but a few.

Innovation is taking place across the City Region within all sectors and industries but particularly in the areas of Advanced Manufacturing and Big Science; Low Carbon and Renewable Energy; Digital and Creative; Maritime and Logistics and Health and Life Sciences.

QUICK FACTS

Sensor City
is becoming a
global hub
for sensor
technologies

Pilkington
invented the float
glass process

Liverpool City Region
is the home of the
**first
passenger
railway**





What types of jobs are available



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



Product, clothing and related designers

Product, clothing and related designers plan, direct and undertake the creation of designs for new industrial and commercial products, clothing and related fashion accessories, costumes and wigs, and for building interiors and stage sets.

Annual Pay
£33,280

Hours/Week
41h



Biological scientists and biochemists

Biological scientists and biochemists examine and investigate the morphology, structure, chemistry and physical characteristics of living organisms, including their inter-relationships, environments and diseases.

Annual Pay
£43,680

Hours/Week
39h



IT business analysts, architects and systems designers

Workers 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



Chemical scientists

Chemical scientists analyse and research physical aspects of chemical structure and change within substances and develop chemical techniques used in the manufacture or modification of natural substances and processed products.

Annual Pay
£40,040

Hours/Week
40h

To search for further roles and salaries visit www.Imiforall.org.uk/widget



Management consultants and business analysts

Job holders in this group advise industrial, commercial and other establishments on a variety of management and business-related matters to assist in the formulation of financial and business policies in order to maximise growth or improve business performance.

Annual Pay
£48,880

Hours/Week
38h



Business and related associate professionals

Job holders in this group advise on the effectiveness and efficiencies of an organisation's procedures, systems and methods of production and play a key role in identifying opportunities for innovation.

Annual Pay
£34,320

Hours/Week
38h



Marketing associate professionals

Marketing associate professionals assist in the development and implementation of projects which aim to elicit the preferences and requirements of consumers, businesses and other specified target groups so that suppliers may meet these needs.

Annual Pay
£32,760

Hours/Week
38h



Programmers and software development professionals

Programmers and software development professionals design, develop, test, implement and maintain software systems in order to meet the specifications and business objectives of the information system; they also design and develop specialist software e.g. for computer games.

Annual Pay
£46,280

Hours/Week
39h



Research and development managers

Managers in this group plan, organise, co-ordinate and manage resources to undertake the systematic investigation necessary for the development of new, or to enhance the performance of existing, products and services. Innovation is a key aspect of this role.

Annual Pay
£52,520

Hours/Week
38h

All hours and salaries are averages taken from www.Imiforall.org.uk/widget

What types of jobs are available?





How to get into the sector



Useful core subjects include:

Maths

English

ICT/ Digital (including Computer Science, coding and systems analysis)

Business Studies

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

STEM

Important skills to have:

Literacy and Numeracy

Networking

Creative, Analytical and Critical thinking

Resilience

Research

Confidence (particularly when experiencing problems)

Being able to work alone on projects and tasks or as part of a Team

Entrepreneurial

ICT/ Digital



To search for further roles and salaries visit 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:

Apprenticeships and Traineeships	<p>Apprenticeships combine a job with practical training and study.</p> <p>Apprentices:</p> <ul style="list-style-type: none">• Work alongside experienced staff• Gain job-specific skills• Earn a wage and are entitled to holiday pay• Get time off the job for study related to your role (usually one-day a week) <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: https://be-more.info</p>
Training Providers	<ul style="list-style-type: none">• School Sixth Forms• FE Colleges including VI Form Colleges• Independent Training Providers• Adult and Community Learning Providers• University Technical Colleges (UTCs)• Studio Schools
Universities and Higher Education Institutions	<ul style="list-style-type: none">• University of Liverpool• Liverpool John Moores University• Liverpool Hope University• Edge Hill University





Find out more...



Jobs and Salary Information
www.lmiforall.org.uk



STEM Learning
www.stem.org.uk



Knowledge Quarter and the Materials
and Innovation Factory
[www.kqliverpool.co.uk/spaces/
materials-innovation-factory/](http://www.kqliverpool.co.uk/spaces/materials-innovation-factory/)



Sensor City
www.sensorcity.co.uk/



UK Research and Innovation
www.ukri.org



The Royal Society
www.royalsociety.org

