

  
**Ofsted**  
Outstanding  
Provider

**Riverside  
College**  
Widnes & Runcorn



# Level 3 Geospatial Survey Technician

 Apprenticeships

**99%**  
Employer Satisfaction

# Level 3

# Geospatial Survey Technician

## Summary

Geospatial technicians play a critical role in all the world's most exciting and complex construction projects, applying geospatial expertise to solve real world engineering and environmental challenges. They can work on world-class projects, building hospitals, skyscrapers, renewable energy power plants, chemical plants, infrastructure, residential buildings or boring huge underground tunnels. Surveying is also used in industries such as film, TV and theatre, computer gaming and the Metaverse.

The broad purpose of the occupation is to capture geospatial data by carrying out a site survey to produce accurate digital 2D or 3D drawings, 3D models and data reports. These surveys help clients to de-risk their projects by providing essential geospatial data on the features and contours of the land or a building or helping contractors by giving them utility services data to avoid services strikes, which could be costly and dangerous. An employee in this occupation will work with internal and external stakeholders under general direction from a supervisor. They will assist in identifying and responding to complex issues and assignments, capturing key data and interpreting specific instructions, working within quality assurance guidelines to support the development of tasks.

## Entry Criteria

We would expect apprentices to have achieved 5 GCSE's Grades (9-4) or (A-C) including Maths and English.

## Attendance

Apprentices will attend college one day a week (during term-time only) at our Cronton College campus.

## What will I learn?

As part of the apprenticeship you will study towards the TQUK level 3 Diploma in Geospatial Surveying.

Training will include but is not limited to:

- Awareness of health and safety legislation, regulations and safe working practices relevant to surveying and the construction sector.
- Methods to locate sites and plan route.
- Principles and use of surveying processing software packages.
- Methods of interpreting and extracting relevant design information from clients' drawings and specifications.
- Principles of Geodesy, GIS, trigonometry, Mathematics, error theory, photogrammetry and remote sensing.
- Geospatial project lifecycle.
- The Four Pillars of Sustainability.
- Establish a survey control on site.
- Produce geospatial survey reports using computer software

## Duration

24 months + EPA

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# The Apprenticeship Journey

## Initial Steps



### Make an application

- Via your employer
- Or for a new apprenticeship vacancy

### Interview Stage

(NA for existing employees)

### Initial Assessment

Functional Skills (if required)

## Your Apprenticeship



### Induction (0-3 months)

- Start with employer
- Enrolment / commence College course
- Understand expectations

### On Programme (3– 24 months)

- Continue attending college
- Study towards level 3 qualification
- Work towards knowledge, skills and behaviours
- Compile a portfolio of evidence

### Gateway (24 months+)

- Achieved Level 3 TQUK Diploma in Geospatial Surveying
- Have required knowledge skills and behaviours
  - Submit a project brief
- Achieved required level of Maths and English

## Your End Point Assessment



### End Point Assessment (24+ months)

- Graded Distinction Merit, Pass or Fail

#### Assessment Type

Multiple choice Test

Project with questions

Interview underpinned by portfolio of evidence



# How To Contact Us

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## Employer Services:

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