

Mersey Gateway Project

THINKING ABOUT BEING A CIVIL ENGINEERING TECHNICIAN?

WHAT DOES A CIVIL ENGINEERING TECHNICIAN DO?

In this job you would provide technical support to civil engineers on construction projects. If you have a flair for engineering and building, you could have a career as a civil engineering technician.

To start in this job, you should have good problem-solving skills. You will need to be able to understand engineering drawings and you'll need good IT skills.

Your duties may include:

- Assisting with initial site surveys
- Arranging for lab analysis of soil, rock and materials samples
- Creating engineering design plans, by hand or with computer aided design (CAD) software
- Preparing estimates of labour costs and the amount and type of materials
- Drawing up timescales for the delivery of supplies, equipment and labour
- Negotiating with suppliers to get value for money when buying resources
- Inspecting projects and supervising progress
- Reporting problems to site managers and preparing reports for engineers

WHAT ARE THE WORKING CONDITIONS?

Working hours are typically Monday to Friday, 35 – 40 hours per week. You could work shifts, including weekends and nights, when on site. You might also be part of an on-call rota to deal with out-of-hours problems. You would work in all weather conditions, and would be expected to wear a safety helmet and protective footwear on site.

WHAT SALARY COULD I EXPECT TO RECEIVE?

Starting salaries for junior technicians can be between £14,000 and £20,000 a year. Experienced technicians can earn between £21,000 and £35,000. Senior technicians can earn up to £40,000 a year.

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WHAT SKILLS AND KNOWLEDGE WILL I NEED?

- A flair for maths and science
- Good problem-solving skills
- The ability to understand engineering drawings and principles
- IT skills for computer aided design (CAD) work
- Good organisational and supervisory skills
- Teamworking skills
- Good communication, presentation and negotiating skills

WHAT QUALIFICATIONS AND EXPERIENCE WILL I NEED?

- **Apprenticeship**
- **Level 1 Diploma in Construction and Civil Engineering Services**
- **Level 2 Certificate in Construction and the Built Environment**
- **Level 3 Diploma in Engineering**
- **Foundation Degree in Civil Engineering**
- **HNC/HND in Civil Engineering**

FOR FURTHER INFO:

www.apprenticeships.org.uk
www.ice.org.uk/education
www.engc.org.uk