

Job Profile: Land Surveyor

Land surveyors use a combination of traditional instruments and digital technology to measure the shape of the land and gather data for civil engineering and construction projects.

As a land surveyor, you would collect and analyse data to map the shape of land for civil engineering and construction projects.

Your duties could include:

- Carrying out initial surveys and environmental impact assessments on potential sites to assess whether construction plans are workable
- Using surveying instruments and GPS to chart exact coordinates of site features (geospatial measurements)
- Producing digital images of sites (photogrammetry) and mapping land use with satellite photography (remote sensing)
- Gathering data and using geographic information systems (GIS) to analyse and interpret site features (geomatics)
- Monitoring land movements and subsidence caused during the construction project or by natural processes (geomechanics)
- Draughting 2D and 3D charts and maps using computer aided design software and other cartographic techniques

Entry Qualifications/Requirements

A degree or professional qualification accredited by the Royal Institute of Chartered Surveyors (RICS). Relevant degree subjects include:

- Surveying
- Civil engineering
- Geomatics
- Geographical information science

Skills & Quality Requirements

- An understanding of surveying technology and CAD programmes
- Excellent science, maths and engineering skills
- A creative approach to problem solving
- The ability to work to a high degree of accuracy
- The ability to analyse and interpret graphical data
- Knowledge of planning and environmental regulations
- Knowledge of health & safety
- Strong communication, negotiating and presentation skills
- The ability to prioritise and plan work effectively
- Good team working skills

Working Conditions

Working hours would generally be 35 to 40 hours a week, but some early starts, late finishes and weekends may be needed at times to meet deadlines. Your time would be split between office and site work.

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Starting Band:

Starting salaries can be between £20,000 and £25,000 a year.

Useful Links:

www.rics.org/uk

www.ices.org.uk

www.cem.ac.uk

www.thebuildingfuturesgroup.com