



# Land surveying technician

## Description

Land surveying technicians carry out land measuring, develop plans and geodetic maps, monitor and mark the buildings, follow the changes made within the construction of new buildings, and collect all relevant data about the space and the land. For the purpose of collecting and processing the relevant data about space, they use specific measuring instruments and devices for the registering, coding, and memorising of data. They collect the data directly on-site. They then organise and process the collected data using specialised computer programmes. Based on the collected data, they generate city maps, digital 3D maps, address books and navigation systems. Land surveying technicians develop land registry plans and cadastral data bases to ensure that the items of real estate are clearly registered and separated so that any disputes can be avoided. Moreover, they collect data about underground and surface water-supply systems.

Work activities are versatile so that, depending on their inclinations, land surveying technicians will focus on the tasks of land surveying, data collection and analysis, or map developing and updating. Depending on the type of work activity, the job is done outdoors or in the office. The fields of work are also versatile. The job of land surveying technicians requires preciseness, accuracy, physical fitness (because they need to do the field-work), and teamwork skills (because they need to communicate with other specialists in the field).

## Desirable traits/requirements

- Deftness and good physical form
- Good sight and visual acuity
- Space and shape awareness
- Spatial orientation
- Analytical skills
- Teamwork skills and flexibility
- Responsibility and reliability
- Being organised

## Positive aspects:

- Geodetic jobs imply the implementation of different measuring and examinations, as well as the use of measuring instruments. The map development job is a job that is very important for space orientation and finding the buildings you are looking for.

## Negative aspects:

- Measuring is carried out in all kinds of weather conditions. Preciseness and accuracy in this work is extremely important because even the smallest error may lead to the development of wrong plans and maps. Depending in the workload, you may need to work overtime.

## Career path/field of work

In order to be able to do the land surveying technician's job, you need to finish a four-year secondary vocational school.

Depending on their specific inclinations, land surveying technicians may work in geodetic centres, engineers' offices, the Cadastre and Land Administration, or in design or construction companies.