



Architectural technician

Description

Architectural technicians' duties are many: they take part in the elaboration of project and technical documentation, organise preparatory works on construction site and within the erection of buildings and structures, maintain corresponding construction documentation and make evaluations within the construction of buildings. In order to ensure that the construction works are executed in a suitable manner, architectural technicians develop urban planning and solutions, collect all necessary data on-site, elaborate architectural/construction projects for construction engineering structures, develop 3D concept designs and execution plans, make models of the buildings so as to illustrate the design ideas. They are also responsible for fencing the construction site in compliance with protocols, organising utility connections (water, electricity), coordinating the works on the construction site, and making calculations and taking care about the types and quantities of construction materials. Within their work, they use different programmes and software tools to make drawings and plans; they also perform modelling processes and make scale models from different materials (wood, plastic, cork, textile, etc.).

In order to complete all these work activities in a timely and optimum manner, architectural technicians need to be well organised, flexible and analytical. When you make concept designs and scale models, you need to be creative, precise in your work, and you need to have good spatial awareness. Since they are often members of multidisciplinary teams on construction sites, construction technicians need to have good communication and teamwork skills.

Desirable traits/requirements

- Spatial orientation
- Shape and colour awareness
- Good sight and visual acuity
- Creativity
- Teamwork skills and flexibility
- Responsibility and reliability
- Being organised
- Analytical skills
- Perseverance

Positive aspects:

- The job of architectural technicians is exciting and creative. Since well-developed concept designs and execution plans, and adequate preparatory works on the construction site, are something you cannot do without, the profiles which organise and implement these tasks are always in demand.

Negative aspects:

- Architectural technicians do a part of their job outdoors where they are exposed to the elements. Because of time constraints, they often work under pressure.

Career path/field of work

To be able to do the architectural technician's job, you need to finish a four-year secondary vocational school.

The architectural technician's fields of work are mostly construction companies, urban planning bureaus, geodetic offices, and design bureaus.