

Civil Engineering Technologists and Technicians

Civil Engineering Technologists and Technicians assist civil engineers in planning, designing, and overseeing construction projects. They apply technical knowledge to ensure structures such as roads, bridges, buildings, and water systems are safe, functional, and built according to specifications. Their work bridges engineering design and practical implementation on site.

Duties and Responsibilities (Points):

- Assist in the design and planning of civil engineering projects
- Prepare technical drawings, plans, and specifications
- Conduct site inspections and surveys
- Monitor construction activities to ensure compliance with design and safety standards
- Collect, record, and analyze data related to materials, soil, and structures
- Assist in estimating project costs and resource requirements
- Perform quality control and testing of construction materials
- Use computer-aided design (CAD) and engineering software
- Collaborate with engineers, contractors, and project managers
- Maintain documentation and prepare technical reports