

Civil Engineering Technicians help civil engineers plan and build highways, buildings, bridges, dams, wastewater treatment systems, and other structures, and perform related surveys and studies. Some estimate construction costs and specify materials to be used, and some may even prepare drawings or perform land-surveying duties. Others may set up and monitor instruments used to study traffic conditions.

Environmental Engineering Technicians work closely with environmental engineers and scientists in developing methods and devices used in the prevention, control, or correction of environmental hazards. They inspect and maintain equipment affecting air pollution and recycling. Some inspect water and wastewater treatment systems to ensure that pollution control requirements are met.

Structural Engineering Technicians assist in the design of the structures we use in our daily transportation, travel, work and recreation. These technicians are involved in the planning of all kinds of structures: buildings, bridges, platforms, airports, highways and many other structures and facilities.

Highway Technicians perform surveys and cost estimates as well as plan and supervise highway construction and maintenance. Some of the duties performed would include inspection, materials testing, surveying, and basic computations.

Surveying Technicians assist land surveyors by operating survey instruments and collecting information in the field, and by performing computations and computer-aided drafting in offices.

Mapping Technicians calculate mapmaking information from field notes. They also draw topographical maps and verify their accuracy.

Salary Information:

- Civil Engineering Technician:
\$45,730 Median Level Salary (U.S. Bureau of Labor Statistics, 2008)
- **Civil Engineering Technicians for Rochester, New York area:**
\$48,500 Median Level Salary (Career One Stop, 2008)

[*Salary varies based on education/advanced degree, work-experience & setting/location]

Additional Information:

- Accreditation Board for Engineering and Technology, Inc.:
www.abet.org
- American Society of Certified Engineering Technicians:
www.ascet.org

