

## A.S. DEGREE IN CIVIL ENGINEERING

For a description of the Civil Engineering Program, see link below.

<http://www.hostos.cuny.edu/Administrative-Offices/Office-of-Academic-Affairs/Dual-Degree-Program/Engineering-Programs/CIVIL-ENGINEERING>

For more information, see link below.

<http://www.hostos.cuny.edu/Hostos/media/Pathways/Civil-Engineering-AS-10-01-2019.pdf>

### SKILLS

**Critical-thinking skills:** As assistants to [civil engineers](#), civil engineering technicians must help the engineers identify problems to avoid wasting time, effort, and funds.

**Decision-making skills:** Technicians must quickly see which types of information are most important and which plan of action will help keep the project on schedule.

**Math skills:** Civil engineering technicians use math for analysis, design, and troubleshooting in their work.

**Observational skills:** Civil engineering technicians sometimes have to go to jobsites and assess a project for the engineer. Therefore, they must know what to look for and how best to report back to the engineer who is overseeing the project.

**Problem-solving skills:** Civil engineering technicians help design projects to solve a particular problem.

**Reading skills:** Civil engineering technicians carry out plans and designs for projects that a civil engineer has approved. They must be able to understand all the reports describing these designs.

**Writing skills:** Civil engineering technicians often are asked to relay their findings in writing. The reports must be well organized and clearly written.

### PAY

**\$53,410 in May 2019**

The median annual wage for civil engineering technicians was \$53,410 in May 2019.

### SAMPLE JOB TITLES

Civil Engineering Technicians, Drafters, Surveying and Mapping Technicians, and Surveyors

### Job Outlook

#### 5% Growth

Employment of civil engineering technicians is projected to grow 5 percent from 2018 to 2028, about as fast as the average for all occupations.

Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Civil Engineering Technicians, on the Internet at <https://www.bls.gov/ooh/architecture-and-engineering/civil-engineering-technicians.htm> (visited August 06, 2020).

### RESOURCES

<https://www.bls.gov/ooh/>

<http://hostos.cuny.edu/Administrative-Offices/Career-Services-Office>

<https://access.vault.com/>

<https://hostos-csm.symplicity.com/>