

A.S. in Civil Engineering

Description of the Civil Engineering Program:

Hostos Community College offers the Associate in Science (A.S.) degree in Civil Engineering as a jointly registered, dual admission program with the existing Bachelor of Engineering in Civil Engineering (B.E./C.E.) at the City College of New York. The program has been designed to meet the licensure guidelines of the Accreditation Board of Engineering and Technology (ABET).

Civil engineering technicians help civil engineers plan and design the construction of highways, bridges, utilities, and other major infrastructure projects. They also help with commercial, residential, and land development. Civil engineering technicians work under the direction of licensed civil engineers.

For more information, see link below

<http://www.hostos.cuny.edu/Hostos/media/Pathways/Civil-Engineering-AS.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.

Employment Opportunities:

Some related job titles include: Civil Engineering Technicians, Drafters, Surveying and Mapping Technicians, and Surveyors

Employment Outlook:

Employment of civil engineering technicians is projected to grow 5 percent from 2014 to 2024, about as fast as the average for all occupations.

Career Path: <http://www.bls.gov/ooh/architecture-and-engineering/civil-engineering-technicians.htm>

The median annual wage, in May 2016, for civil engineering with an:

Associate's degree - \$49,980

Bachelor's degree - \$ 83,540

Career Coach – Search career information and current local wage data

<https://hostos-cuny.emsicc.com/careers/civil-engineering-technician/about>