A.S. in Electrical Engineering

Description of the Electrical Engineering Program:

Hostos Community College offers the Associate in Science (A.S.) degree in Electrical Engineering Science as a jointly registered, dual admission program with the existing Bachelor of Engineering in Electrical Engineering (B.E./E.E.) at the City College of New York.

Electrical engineering technicians provide the technical support needed to transform engineers' ideas into reality. They use their expert knowledge of electrical theory and circuitry to help engineers take scientific principles and apply them to practical situations.

For more information, see link below

http://www.hostos.cuny.edu/Hostos/media/Pathways/Electrical-Engineering-AS.pdf

Skills:

Troubleshooting - Determining causes of operating errors and deciding what to do about it.

Critical Thinking - Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.

Technology Design - Generating or adapting equipment and technology to serve user needs.

Complex Problem Solving - Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.

Engineering and Technology - Knowledge of the practical application of engineering science and technology. This includes applying principles, techniques, procedures, and equipment to the design and production of various goods and services.

Computers and Electronics - Knowledge of circuit boards, processors, chips, electronic equipment, and computer hardware and software, including applications and programming.

Mathematics - Knowledge of arithmetic, algebra, geometry, calculus, statistics, and their applications.

Sample Job Titles:

Chemical Engineering Technician, Civil Engineering Technician, Computer Support Person, Electrical Engineer, Electronics Technician, Electrical Technician.

Employment Outlook:

Employment of electrical and electronics engineering technicians is projected to grow 2 percent from 2016 to 2026. https://www.bls.gov/ooh/architecture-and-engineering/electrical-and-electronics-engineering-technicians.htm#tab-6

Career Path:

The median annual wage for electrical and electronics engineering technicians with an associate's degree was $62,190 in May 2016. http://www.bls.gov/ooh/architecture-and-engineering/electrical-and-electronics-engineering-technicians.htm

Career Coach – Search career information and current local wage data https://hostos-cuny.emsicc.com/careers/electrical-engineering-technologist/about