For a description of the Chemical Engineering Program, see link below.
http://www.hostos.cuny.edu/Administrative-Offices/Office-of-Academic-Affairs/Dual-Degree-Program/Engineering-Programs/CHEMICAL-ENGINEERING

For more information, see link below.
http://www.hostos.cuny.edu/Hostos/media/Pathways/Chemical-Engineering-AS.pdf

**SKILLS**

**Analytical skills.** Chemical engineers must troubleshoot designs that do not work as planned. They must ask the right questions and then find answers that work.

**Creativity.** Chemical engineers must explore new ways of applying engineering principles. They work to invent new materials, advanced manufacturing techniques, and new applications in chemical and biomedical engineering.

**Ingenuity.** Chemical engineers learn the broad concepts of chemical engineering, but their work requires them to apply those concepts to specific production problems.

**Interpersonal skills.** Because their role is to put scientific principles into practice in manufacturing industries, chemical engineers must develop good working relationships with other workers involved in production processes.

**Math skills.** Chemical engineers use the principles of advanced math topics such as calculus for analysis, design, and troubleshooting in their work.

**Problem-solving skills.** In designing equipment and processes for manufacturing, these engineers must be able to anticipate and identify problems, including such issues as workers’ safety and problems related to manufacturing and environmental protection.

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**PAY**

$49,260 in May 2019

The median annual wage for chemical technicians was $49,260 in May 2019.

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**SAMPLE JOB TITLES**

**Associate's Degree:** Chemical Technician, and Environmental Science and Protection Technician

**Bachelor's Degree:** Biological Technician, Chemical Engineer, and Chemist

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**Job Outlook**

Employment of chemical technicians is projected to grow 2 percent from 2018 to 2028, slower than the average for all occupations.


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**RESOURCES**

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

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


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