



## Engineering Science A.S.



The Science Department offers an Associate in Science (A.S.) degree program in Engineering Science. The program provides students with the basic education necessary to enter the third year of an engineering major. Its objectives are to offer a curriculum that meets the needs and interests of engineering-oriented students enrolled at the College; to include in this curriculum the basic science and mathematics of the first year of an engineering education; and to prepare students to successfully pursue their education in the upper division of engineering programs which lead to careers for chemical, mechanical, civil, electrical, computer and other engineering specializations.

### Specialized Skills

Team Building  
Leadership  
Communication  
Critical Thinking  
Problem Solving

*Specialized Skills may be obtained or enhanced during the course of the student's learning experience. Specialized Skills are defined and provided by NACADA: The Global Community for Academic Advising [www.nacada.ksu.edu](http://www.nacada.ksu.edu)*

### Certifications and Professional Development

Microsoft Office Professional  
Social Media for Business  
Professional Writing

These and other **Certifications and Professional Development** options offered by the Center for Continuing Education and Workforce Development. [www.bmcc.cuny.edu/ce](http://www.bmcc.cuny.edu/ce)

### Professional Organizations

American Society of Mechanical Engineers  
American Society of Civil Engineers  
National Society of Black Engineers  
Society of Women Engineers

### Helpful Career Links

**BMCC Career Center**  
[www.bmcc.cuny.edu/career](http://www.bmcc.cuny.edu/career)

**Internships and Experiential Learning**  
[www.bmcc.cuny.edu/experiential](http://www.bmcc.cuny.edu/experiential)

**Science**  
[www.bmcc.cuny.edu/academics/departments/science/engineering-science](http://www.bmcc.cuny.edu/academics/departments/science/engineering-science)

### Articulation Agreements

**New York City College of Technology / CUNY**  
B.S. in Applied Computational Physics

**New York City College of Technology / CUNY**  
B.Tech in Construction Engineering Technology

**Vaughn College of Aeronautics and Technology**  
B.S. in Mechanical Engineering

**Vaughn College of Aeronautics and Technology**  
B.S. in Mechanics

### Other Transfer Options

**SUNY Maritime**  
**New York University**

**SUNY College of Environmental Science and Forestry**

**City College / CUNY**

**College of Staten Island / CUNY**

### Career and Salary Possibilities\*

**Electrical Engineering Technician**  
(\$57,240)

**Engineering Associate**  
(\$52,000)

**Aerospace Engineer**  
(\$59,765–\$127,169)

**Civil Engineer**  
(\$48,962–\$98,162)

**Flight Test Engineer**  
(\$64,148–\$126,538)

**Commercial Pilot**  
(\$31,160–\$184,250)

**Product Designer**  
(\$45,703–\$123,797)

**Lawyer**  
(\$57,430–\$208,000)

**Chemical Engineer**  
(\$53,410–\$113,939)

**Mechanical Engineer**  
(\$51,776–\$97,424)

**Flight Engineer**  
(\$48,000–\$304,000)

**Architect**  
(\$46,000–\$107,000)

\* **Career and Salary Possibilities** are not guaranteed. Additional education, training or experience may be required and salary ranges may vary depending on location, industry and education level. Career and salary data provided by Career Coach.