

# Finding the Program for You

Interested in a career in engineering or computer science, but not sure where to start? Here's some information to help you find the College of Engineering and Computing Sciences degree program that's right for you.

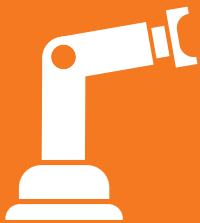
## ELECTRICAL AND COMPUTER ENGINEERING TECHNOLOGY



**Are you interested in the application and implementation of electrical/electronic and computer-based systems—and in knowing how to program devices and systems and design microcomputer-based systems without the heavy burden of advanced calculus and physics courses?**

Check out our ABET-accredited electrical and computer engineering technology major. This program—for problem solvers who like to work with their hands as well as their minds—has become so popular that we now offer it at both our New York City and Long Island campuses.

## ELECTRICAL AND COMPUTER ENGINEERING



**Are you interested in designing and implementing cutting-edge internet-connected devices for use in medicine, transportation, manufacturing, and energy, or for building robots, sensor networks, or autonomous devices?**

Take a look at our ABET-accredited electrical and computer engineering program, which gives you the equivalent of two degrees (electrical engineering and computer engineering) that can be completed in four years. This program develops strong leaders with problem-solving skills and serves as a gateway to advanced degrees in many other areas as well as broader professional development.

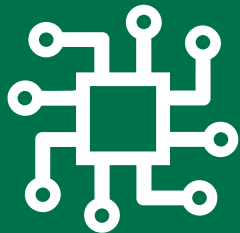
## COMPUTER SCIENCE



**Are coding, cybersecurity, and big data analytics more your thing?**

Check out our computer science program. In addition to core courses in hardware and software, the program offers electives in artificial intelligence, computer graphics, and web design.

The curriculum includes two concentrations: Network Security, which is certified by the NSA and can lead to CISCO certification, and Big Data Management and Analytics, which was developed in conjunction with IBM. Take advantage of industry-recognized, in-demand training and certification provided by our technology company partners.



#### INFORMATION TECHNOLOGY

**Do you like to identify problems and define the appropriate computer-based and network management solutions for a better user experience?**

Our information technology program might be the one for you. It is less rigorous than the computer science program in terms of theoretical math requirements, and it offers hands-on labs that provide the techniques, skills, and tools necessary for computing practice. Take advantage of industry-recognized, in-demand training and certification provided by our technology company partners.



#### MECHANICAL ENGINEERING

**Does designing and developing mechanical systems, energy systems, and machines sound like a career you want? Do you have an interest in aerospace?**

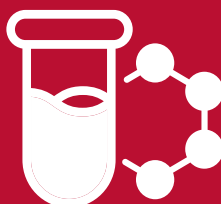
Have a look at our mechanical engineering program, with an optional concentration in aerospace. If you are intrigued by computer-aided design, nanotechnology, building drones, or biomedical devices, this program is for you.



#### ENGINEERING MANAGEMENT

**Are you a great manager? Do you like to oversee projects, operations, management, and quality control?**

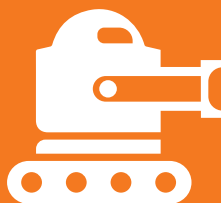
Explore the engineering management program, which focuses on all the skills you need to be a leader in today's global marketplace. Our program focuses on critical foundations of financial management, project analysis, operations management, and quality control.



#### BIOENGINEERING

**Are you interested in the creation and development of new and novel medical devices?**

Get the analytical and practical knowledge you'll need to succeed in the biotechnology and bioengineering industries. New York Tech's B.S. in Bioengineering program provides you with the tools, techniques, and knowledge of electrical and electronic circuits, microprocessors, embedded systems, and process control systems to become a leader and innovator in the in-demand field of bioengineering.



#### CONSTRUCTION ENGINEERING

**Are you interested in preparing for a career in the construction industry with a program that melds traditional civil engineering with construction management while focusing on the field's rapidly changing technology?**

The B.S. in Construction Engineering program gives you a strong fundamental knowledge of engineering design and management principles. You'll learn how to apply design theory and practices to produce solutions that support public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.



Learn about all of New York Tech's degree options in engineering and computing sciences at [nyit.edu/engineering](https://nyit.edu/engineering).

#### **QUESTIONS? LET US HELP.**

Contact the Office of Admissions at [admissions@nyit.edu](mailto:admissions@nyit.edu) or 516.686.7520.