The mission of the School of Computer and Electronic Engineering Technologies is to prepare students with a high degree of academic and technological knowledge to enter the work force as highly skilled technicians and/or to successfully pursue a post-secondary degree.

We will engage students in rigorous and academically challenging curricular activities to develop critical thinking and problem solving skills. We will work to ensure that our students learn the literacy and social skills necessary for them to become productive citizens and life-long learners.

We will work to instill within our students an appreciation for the value of teamwork, community, and self. We will strive to have students gain an appreciation for technology and the careers that await them when they graduate.
The High School

Conveniently located in Long Island City, QVTHS is a Career and Technical Education high school comprised of four Smaller Learning Communities. These small schools foster personal growth, academic excellence and specialized career skills.

Small Learning Communities

QVTHS is divided into four schools, each with its own theme and focus. The programs are:

School of Exploration & Discovery
(for all 9th grade students)
School of Entrepreneurial Studies
(business, cosmetology and graphic arts)
School of Skilled Building Trades
(plumbing and electrical installation)
School of Computer & Electronic Engineering Technology
(A+ computer repair, robotics, fiber optics)

Facilities

* 3 fully equipped cosmetology salons.
* 3 state-of-the-art computer labs, wired for high speed connectivity.
* Wireless access throughout the building, media center and research lab, and laptop computers are available for student use.
* Gymnasium, cafeteria and library.
* State-of-the-art, newly renovated auditorium.

Extracurricular Activities

PSAL: Baseball, Handball, Basketball, Bowling & Softball

Pre-Engineering Electronic Technology

Incoming freshmen are required to complete our Exploratory Program, which exposes students to the different majors we offer. Students who select 9th year computer technology also have the option of choosing pre-engineering at the end of 10th year. Students who select Pre-Engineering will go through the following sequence:

10th Year Electronics Technology
AC/DC circuit analysis, soldering, and wiring of various circuits

11th Year Electronics Technology
Basic robotics (VEX Robotics Competition), telecommunication technology, solid state devices, amplifiers, and digital electronics.

12th Year Electronics Technology
Advanced robotics technology (US FIRST Robotics Competition), PC fabrication, alternative energy theory & practice.

Students will be given the opportunity to become certified in:
Copper Network Cabling
Fiber Optics Network Cabling

Computer Technology and Information Systems

Incoming freshmen are required to begin the Computer Technology Program starting with the 9th grade. At the end of the 10th year, students have the option of selecting computer technology or pre-engineering electronic technology. You will go through the following sequence:

9th Year Computer Technology
Intro to computer hardware & software theory, operating systems, DOS and basic web design

10th Year Computer Technology
Basic computer assembly & troubleshooting, operating system and networking labs

11th Year Computer Technology
Advanced computer assembly and troubleshooting (Hardware & Software), A+ cert. exam prep

12th Year Computer Technology
A+ Essentials & IT certification exam, advanced networking w/laser printers, routers & etc.

Students will be given the opportunity to become certified in:
Copper Network Cabling
Fiber Optics Network Cabling
CompTIA A+ certification

School of Computer and Electronic Engineering Technologies

Partnerships:
Queens Borough Community College
LaGuardia Community College
CompTIA
C-Tech

All students must, by the end of their senior year, complete a 60 hour internship in their trade area.