

# PRE-ENGINEERING

## ELECTRONICS TECHNOLOGY

### CTE REQUIREMENTS



This major focuses on the basic theories and concepts of electronics engineering through hands-on experience with circuit design simulations and operating test equipment for troubleshooting.

# 09

NINTH  
GRADE

Exploratory  
(1 Period)

# 10

TENTH  
GRADE

Introduction To  
Engineering Design  
(3 Periods)

# 11

ELEVENTH  
GRADE

AC/DC Analysis  
Copper & Fiber Based Cabling  
(3 Periods)

ETA AC/DC Modules,  
Copper & Fiber-Optics Cabling &  
Networking Certifications

# +

WORK  
BASED  
LEARNING

60 hrs through  
industry exposure  
and various  
activities embeded  
in classes & by  
participating in  
internships.

# 12

TWELTH  
GRADE

Analog & Digital Electronics  
PC Fabrication Drone Technology  
(3 Periods)

ETA Digital Module & OSHA-30  
General Industry Certifications

# CCR

CAREER &  
COLLEGE  
READY

1 Math Regents Exam (70+)

1 ELA Regents Exam (75+)

4 years of Math or Science

At least one (1) college course through LaGuardia Community College  
offered during junior or senior years