

# ELECTRICAL TRADES



Students gain the technical skills and knowledge necessary for a successful career in the electrical trades. Through a combination of classroom instruction and hands-on training, they master essential skills such as electrical theory, wiring, circuit design, and blueprint reading. There is an emphasis on safety protocols, code compliance, and the proper use of industry-standard tools and equipment. Covering the fundamentals of residential, industrial, and commercial electrical systems, this program ensures students are well-prepared to enter the workforce or continue their education in the electrical field.

## CAREER OPPORTUNITIES:

- Commercial or residential electrician
- Electrical construction
- Electrical and electronics engineering technician
- Electrical engineer
- Electrical inspector
- Solar technician

**QUESTAR III**  
PUTTING STUDENTS FIRST



Learning that works  
for New York



**SALARY RANGE**

**\$42,000 –  
\$182,000**



**22%**

**PROJECTED GROWTH IN NYS**

**2020–2030**



**ANNUAL PROJECTED  
JOB OPENINGS**

**11,590**

*(Source: CareerOneStop, sponsored by the U.S. Department of Labor, Electrician, Electrical Engineer, Solar Energy Installation Managers, Solar Energy Systems Engineers, Solar Photovoltaic Installers, Electrical Power-Line Installers and Repairers, Electrical and Electronic Engineering Technologists and Technicians, Electrical and Electronics Repairers – Commercial and Industrial Equipment, and Electrical and Electronics Repairers – Powerhouse, Substation, and Relay, Zip: 12180, September 2024)*

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## TECHNICAL ASSESSMENT:

- NOCTI Electrical

*Successful passing of this written exam may be counted as the fifth required Regent's exam for graduation.*

## INDUSTRY-BASED CERTIFICATIONS:

- OSHA 10

## AVAILABLE CREDITS:

- Math 11 (1 credit)
- Science 11 (1 credit)
- English 12 (1 credit)

*Please contact your home district counselor for the availability of these credits. College credits are also available; please inquire with a Questar III counselor for more information.*



[www.questar.org/cte](http://www.questar.org/cte)

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2 YEAR PROGRAM:  
GRADES

11-12

## CONTACT INFORMATION:

CAITLIN PREISNER

Donald R. Kline

Technical School

(518) 828-4157

[caitlin.preisner@questar.org](mailto:caitlin.preisner@questar.org)

LISA GILBERT

Robert H. Gibson

Technical School

(518) 273-2264

[lgilbert@questar.org](mailto:lgilbert@questar.org)