

FIRE SCIENCE



Students receive a fundamental education in firefighting and emergency response through a blend of classroom instruction and hands-on training. They learn essential skills such as fire prevention, firefighting techniques, emergency medical response, and rescue operations, with a focus on teamwork, decision-making, and safety protocols. Students will receive the technical and hands-on training to complete the NYS Basic Firefighter Operations with Hazardous Material First Responder Operation, preparing them for their first step in a firefighting career.

CAREER OPPORTUNITIES:

- Firefighter
- Fire investigator
- Hazardous Materials (HAZMAT) specialist
- Wildland firefighter



Learning that works
for New York



SALARY RANGE

**\$47,000 –
\$139,000**



15%

PROJECTED GROWTH IN NYS

2020–2030



**ANNUAL PROJECTED
JOB OPENINGS**

1,560

(Source: CareerOneStop, sponsored by the U.S. Department of Labor, Fire Inspectors and Investigators, Firefighter, and Fire-Prevention and Protection Engineers, Zip: 12180, September 2024)

FIRE SCIENCE

TECHNICAL ASSESSMENT:

- NYS Basic Exterior Firefighting Operations with Hazardous Material First Responder Operation (01-05-010) (Equivalency)

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

INDUSTRY-BASED CERTIFICATIONS:

- CPR/First Aid
- NYS Basic Exterior Firefighting Operations with Hazardous Material First Responder Operation – 78 hour requirement for eligibility

AVAILABLE CREDITS:

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

Please contact your home district counselor for the availability of these credits.

COLLEGE AGREEMENTS:

Students who continue their education can receive credits from the following colleges if they attend their school:

- Jefferson Community College
- Mohawk Valley Community College



www.questar.org/cte

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1 YEAR PROGRAM:
GRADE

11 or 12

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