

Fire Protection Technology

Degree Awarded: Associate in Applied Science

Offered through the Hudson Valley Educational Consortium.

Lead college: SUNY Rockland

Recommended Course Sequence

| First Semester: | | Credits: |
|-------------------------|--|----------|
| ENG 101 | Freshman English 1 | 3 |
| SOC 101 | Introduction to Sociology | 3 |
| MAT 101 | Elementary Algebra | 3 |
| FIR 101 | Introduction to Fire Technology | 3 |
| _____ | Intro. to Fire & Emergency Services Admin. | 3 |
| PED____ | Physical Education Elective | 1 |
| Second Semester: | | |
| ENG 102 | Freshman English 2 | 3 |
| PSY 101 | General Psychology | 3 |
| SOC 220 | Race, Ethnicity, and Society | 3 |
| FIR 103 | Principles of Building Construction | 3 |
| FIR ____ | Fire Protection Tech. Elective | 3 |
| PED____ | Physical Education Elective | 1 |
| Third Semester: | | |
| POL 103 | U.S. Government | 3 |
| COM 101 | Foundations of Communication | 3 |
| FIR ____ | Fire Protection Tech. Elective | 3 |
| FIR ____ | Fire Protection Tech. Elective | 3 |
| FIR ____ | Fire Protection Tech. Elective | 3 |
| PED____ | Physical Education Elective | 1 |
| Fourth Semester: | | |
| _____ | Natural Science Gen Ed Elective + | 3 |
| CIT 100 | Computer Literacy | 3 |
| FIR ____ | Fire Protection Tech. Elective | 3 |
| FIR ____ | Fire Protection Tech. Elective | 3 |
| FIR ____ | Fire Protection Tech. Elective | 3 |
| Total Credits | | 64 |

+ Minimum credit value for this course is 3 credits.
Students may fulfill this requirement with a course of a higher credit value.

Program Description

Given the unique conditions that have developed in our country over the last several years in public safety and homeland security, the Fire Protection Technology Program has gained increasing importance. The program is designed to meet the growing needs of Rockland, Orange, Sullivan and Ulster Counties and their neighboring communities for persons preparing for a career as a firefighter, fire and emergency service practitioner or engineer specialist.

The study of fire protection technology is multifaceted. It involves the study of the complete fire protection system, including fire department resources, private resources and system, chemistry and physics of fire safety, fire department management, emergency management, the legal environment and fire protection.

This program includes field training off campus which requires students to travel to Rockland County.

Studies in fire protection technology guide the student through a series of college-level courses that are designed to prepare the student for a career in the highly demanding field of fire and emergency services. Through the study of fire protection technology the student will discover the entire process for the requirements of becoming a firefighter.

The role of the firefighter has increased in complexity in recent years. The scope of responsibilities and knowledge requirements of a firefighter has grown significantly and now includes emergency medical services, assisting in the recovery from disasters, and responding to and recovering from hazardous materials incidents, building safety compliance issues, public education, wildlands fire fighting, mutual aid and more. The program is designed to prepare the students to perform as a firefighter and an effective member of a multi-agency emergency response team.

The program is designed to meet the guidelines established by the New York Emergency Management System and the National Interagency Integrated Management System (NIIMS) under the Department of Homeland Security. The A.A.S. degree in Fire Protection Technology has already received SUNY and NYSED approval through the Hudson Valley Educational Consortium.

SUNY Rockland has taken a leadership role in developing the Fire Protection Technology curriculum and the Associate of Applied Sciences degree is currently available there. Students wishing to register in this program from other HVEC colleges (SUNY Orange, SUNY Ulster and SUNY Sullivan) and participate via the Interactive Television Training Rooms will receive their degree from SUNY Rockland. Interested students should contact their home school Registrars office for assistance in the registration process.

Recent graduates have secured positions within the New York City Fire Department and as Fire Inspectors for local government. The current fire protection management program follows the recommendations of the Fire and Emergency Service Higher Education (FESHE) model which is a division of the Federal Department of Homeland Security. An articulation agreement with John Jay College, a member of the City University of New York (CUNY) system is available for those student intending to continue their education in fire protection management.

Admission Criteria

Admission to this program requires that students be high school graduates or have high school equivalency diplomas (HSEs). If students are not high school graduates, they may be eligible for admission to the College's 24 Credit Hour Program. If students are home schooled, they may be eligible for admission. (See pages 7 through 13 for more details on the admission process for all applicants.)

Program Learning Outcomes

Students will:

- discover the entire process for the requirements of becoming a firefighter.
- effectively communicate knowledge of Fire Science content areas, including fire safety critical incident command system, emergency planning, fire scene operations, fire exercise planning, fire and emergency operations center organization and management, leadership, resource planning, and utilization of national fire science operation guidelines.
- demonstrate critical thinking, communications and management skills by analyzing situations, determining proper actions, understanding the costs and benefits of actions, evaluating possible alternatives and unforeseen circumstances, and then taking appropriate actions as an incident responder or manager.
- possess the technical and general education courses needed to be able to pursue a baccalaureate degree in fire science or emergency management.
- support the community by providing fire and emergency services when required.

Career Opportunities

- firefighter
- fire heavy equipment operator
- fire prevention specialist
- fire hazard program specialist
- fire training specialist
- public safety and education
- dispatcher
- fire equipment manufacturing, sales, service, research and development
- forestry service fire control
- technician and consultant in aerospace services
- fire protection education

Transfer Opportunities

While the A.A.S. degree leads to immediate employment, SUNY Orange students have successfully transferred to:

- John Jay College
- University of Maryland - University College
- University of New Haven

Contact Information

Criminal Justice
Department Chair
(845) 341-4355
Admissions Office
(845) 341-4030