HUMAN SERVICES
FIRE SCIENCE

PROGRAM LOCATION
LCC West Campus

SESSION OFFERED
AM

AVERAGE LECTURE DAYS/WEEK
2-3 days

AVERAGE LAB DAYS/WEEK
2-3 days

HOMEWORK
Rarely

REQUIRED READING
College level textbook

EXPLORE THE POSSIBILITIES. FAST TRACK YOUR FUTURE.
This program will prepare students to enter courses in the field of fire protection and emergency services. The program provides an overview to fire protection; career opportunities in fire protection and related fields; philosophy and history of fire protection services; organization and function of public and private fire protection services; fire departments as part of local governments; laws and regulations affecting the fire service; fire nomenclature; and basic concept of occupational health and safety. Practical skills may include proper use of basic fire equipment in the delivery of basic fire suppression and safety activities. Upon completion of the program students will take the Health & Safety Officer certification exam.

EXPECTED STUDENT OUTCOMES

• Bi-weekly physical training
• Demonstrate firefighting skills such as ladders, search and rescue, personal safety, hoses, auto extraction, etc.
• Describe occupational health of safety programs for emergency services
• Demonstrate performance and skill objectives as outlined for Certification as a Health and Safety Officer (HSO) through the Pro Board, which is a national accrediting body
• Identify and explain the components of fire prevention including code enforcement, public information, and public and private fire protection systems
• Analyze the basic components of fire as a chemical reaction, the major phases of fire, and identify the main factors that influence fire spread and fire behavior

CAREERS
Firefighter
EMT & Paramedic
Fire Inspector
Forest & Conservation Worker

MEDIAN WAGE
Firefighter: $23.09 hourly, $48,030 annually
EMT & Paramedic: $15.71 hourly, $32,670 annually
Fire Inspector: $28.10 hourly, $58,440 annually
Forest & Conservation Worker: $35.84 hourly, $74,540 annually

EMPLOYMENT OUTLOOK
Average, 5-9%

CERTIFICATIONS
CPR/First Aid
Health & Safety Officer Certification

SUCCESS INDICATORS
A critical thinker, a strong communicator, effective in a team setting and have a strong work ethic.

STUDENT LEADERSHIP
Students have the opportunity for leadership, competition, and community service through membership in SkillsUSA.

8 COLLEGE CREDITS
FIRE 100 - Principals of Emergency Services
FIRE 112 - Occupational Health & Safety/Fire Service

ACADEMIC RIGOR
4

CAPITAL REGION TECHNICAL EARLY COLLEGE
Students enrolled in this program may choose to participate in the Capital Region Technical Early College (CRTEC). Capital Region Technical Early College is a high school-to-college program where students start in grade 11 and leave in grade 13 with a college degree or certification. The program gives students relevant career-related experience.