



Program Plan

Knox Technical Center Firefighter I

Knox Technical Center
Adult Workforce Education
Coordinator: Dana Phillips
740.393.2933, ext. 1101
Dphillips@knoxcc.org

Coordinator Office Hours: Variable
Preferred Method of Contact: dphillips@knoxcc.org

308 Martinsburg Road
Mount Vernon, OH 43050
School Phone: 740.393.2933
School Fax: 740.397.1659

Web Site: www.knoxtechnicalcenter.com
School Office Hours: Mon-Thurs 7:30am – 7:00pm
Fri 7:30am – 4:00pm

I. GENERAL INFORMATION

- A. Vision Statement: Prepare students for success!
- B. Mission Statement: Our mission is to provide cutting edge programs that prepare adults with career and life-long learning skills.
- C. Adult Education Director:
Kim Williams
740.393.2933, ext. 1106
kwilliams@knoxcc.org
- D. Disability Accommodations. Any learner needing special accommodation on the basis of any disability must advise the instructor at the beginning of class. All necessary accommodations will be made upon presentation of relevant certification, presented in a timely manner. Learners are also responsible for contacting the Program Coordinator prior to the start of class. For detailed KCCC Bylaws & Policies pertaining to Reasonable Accommodation, see Section 2260.01-Section 504 – ADA Prohibition Against Discrimination Based on Disability located on the website at www.knoxcc.org.
- E. Equal Opportunity. It is the policy of the Knox Technical Center School District that employment, educational programs, and activities are provided without regard to race, color, national origin, sex or disability. Any learner with a disability should contact the program coordinator. The Board designates the Director as the Title VI, Title IX and Section 504 Coordinator.
- F. Title IV Eligibility. This program is not approved for Title IV funding. Adult learners requesting information about financial assistance should contact Financial Aid Coordinator Amy Leeper.

Program Plan

II. RATIONALE FOR PROGRAM

- The Firefighter I is the first step toward becoming a professional firefighter
- It is recognized by the National Fire Protection Agency
- As of 03-14-2021, 159,247 jobs relating to Firefighting within 100 miles of KTC were posted on the Ohio Means Jobs website (www.ohiomeansjobs.com).
- According to O-NET, projected growth in the Firefighting field through 2029 is 20,300. (www.careerinfonet.org).
- Certification rates over 95% passage

III. PROGRAM DESCRIPTION

As a Firefighter I you will be rewarded with knowing you have made a difference. From an ill person to a motor vehicle accident to a family's possession you have saved by putting out a fire, the rewards are numerous.

This program will take the first step in your firefighter training. The learner will begin to explore what it takes to understand fire, how to extinguish the fire and saving lives and property. The learner will engage in interior firefighting tactics and learn the tools of the trade from forcible entry to ventilation of a burning structure. It will reinforce safety on and off the fire ground. It will also incorporate defensive driving techniques.

The program content matches requirements as established by the State of Ohio, Department of Public Safety, Division of EMS, and the Ohio Administrative and Revised Codes, along with the objectives set forth by the National Fire Protection Agency (NFPA)

IV. PROGRAM GOALS

- Certified through the State of Ohio as a Firefighter I.
- Nationally recognized level through National Fire Protection Agency
- Become familiar with the 16 Life Safety Initiatives from the National Fallen Firefighters Foundation
- Emergency Vehicle Operations

V. PROGRAM OUTCOMES

After the completion of the < > Program, a learner will be able to:

- Perform activities necessary to ensure life safety, situational control and property conservation
- Use a self-contained breathing apparatus (SCBA)
- Recognize conditions that require SCBA use
- Control breathing and enact emergency procedures in case of SCBA failure
- Don personal protective clothing within 1 minute
- Doff personal protective clothing and prepare for reuse
- Hoist tools and equipment using ropes
- Identify different ropes

Program Plan

- Tie appropriate knots based upon the use
- Locate information in departmental documents and standard or code materials
- Emergency medical care in the following areas:
 - infection control, CPR, bleeding control, and shock management.
- Meet the competencies for Ohio Hazmat & WMD Operation for the First Responder
- Operate fire department communications equipment, relay and record information
- Operate radio equipment and discriminate between routine and emergency traffic
- Identify the organizational structure of the fire department
- Know the role of the Firefighter I in the organization
- Know and understand the mission of the fire service
- Identify the importance of physical fitness and a healthy lifestyle to the firefighter
- Recognize and use provided safety equipment while mounting and dismounting apparatus
- Identify components of ladders
- Work as a team and solo raising, climbing, lowering ladders
- Attack fires from multiple sources with the proper extinguishing agent and equipment
- Conduct a search of a structure, remove victims, as a member of a team
- Identify and use the appropriate tool for the task assigned
- Work in low visibility, and confined spaces
- Understand the mechanics of ventilating a fire building and able to perform that ventilation
- Determine when ventilation is required
- Overhaul a fire to preserve evidence, discover hidden fires and minimize additional damage
- Conserve property given appropriate tools and equipment as a member of a team
- Connect to a water supply, either municipal or rural
- Understand mobile water supplies, and deploy portable water tanks
- Distinguish the types of fires and appropriate extinguishing agents
- Identify and use portable fire extinguishers
- Illuminate a fire scene
- Turn off utilities to a building
- Attack a outside fire including wild land fires
- Clean and maintain (including testing) all equipment to insure readiness when needed
- Operate fire department apparatus safely
- Clean and maintain fire department apparatus to insure readiness
- Operate at a hazardous materials incident as a support member
- Educate and provide appropriate information to the public about fire safety and prevention

VI. CREDENTIALS

Certification is available through the State of Ohio, Department of Public Safety, Division of EMS. You must pass practical (hands-on) skills testing per National Fire Protection Agency (NFPA) 1001 and written (knowledge) testing to become certified.

Program Plan

VII. TARGET POPULATION

- Any person 18 years of age and older with high school diploma or GED
- Any person interested in firefighting
- Any person interested in giving back to their community
- Any person interested in Public Safety

VIII. PROGRAM MODEL

- A. 160 hours of instruction
 - A. Tuesdays and Thursdays 6:00pm – 10:00pm, Saturdays 8:00am – 4:00pm
 - B. Hands-on Tuesdays and Thursdays 6:00pm – 10:00pm, Saturdays 8:00am – 4:00pm
- B. See Addendum B for Curriculum Map

IX. ASSESSMENT STRATEGIES

- A. Preassessment Skills Review
 - Workkeys
- B. Throughout Program
 - Module testing
 - Quizzes
 - Skills check-off
- C. Graduation
 - Maintain 80% or higher on all module tests
 - Maintain 90% attendance
 - Successfully complete all course work
 - Successfully complete all skills check-offs per NFPA 1001
 - Successfully pass the school final with a 80% or higher

X. EVALUATION PLAN TO DETERMINE PROGRAM EFFECTIVENESS

- Survey of graduates into < >industry within six months of graduation to determine employment rate
- Learner evaluation of instructors at the end of the program
- Learner evaluation of course at the end of the program
- Meetings with Advisory Committee at least twice a year
- Meetings with Faculty on a semiannual basis

Program Plan

XI. TRAINING PATHWAYS

- A. Before: A career pathway system is a series of connected educational and training programs and support services that prepare and enable individuals, often while they are working, to secure a job and advance over time to successively higher levels of education and employment in a specific industry/field. Pathway goals are to increase access, awareness, affordability, resources, and alignment for high school students, adult learners, and the current workforce (Thrive, 2009).

The Knox Technical Center Adult Firefighter program is an entry-level program designed for learners with little to novice experience in the Fire and Public Safety field, those who already work in the field and wish to enhance their skills, or those who simply wish to enter a Public Safety career pathway.

Prior to admission potential learners must have the following:

- High school diploma or GED
 - Basic computer literacy including basic keyboarding skills
 - Completed application form with a \$50 deposit
 - Skills Assessment (TABE and Washington 13)
 - Physical examination
- B. After: University System of Ohio CT2 plus articulation agreements with higher institutions such as Central Ohio Technical College (COTC)) will be pursued.