

**Career-Technical Credit Transfer (CT)²
 Firefighter I Career-Technical Assurance Guide (CTAG)
 October 23, 2014**

The following programs/courses, indicated by a Career-Technical Articulation Number (CTAN), are eligible for granted college credit at state institutions of higher education for (CT)² approved programs/courses at adult career-technical education institutions and public secondary career-technical institutions. In addition, the following courses, indicated by a Career-Technical Articulation Number (CTAN), are eligible for transfer among approved programs/courses at state institutions of higher education.

CTFF002 Firefighter I	Credits: 7 Semester Hours
<p>Advising Notes: For qualification at Level 1, the Firefighter candidate shall meet the general knowledge requirements in 5.1.1; the general skill requirements in 5.1.2; and the JPRs defined in Sections 5.2 through 5.5 of this standard; and the requirements defined in Chapter 5, Core Competencies for Operations Level Responders, and Section 6.6 Mission Specific Competencies: Product Control, of NFPA 472, Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents. (General) NFPA 1001 Ch. 5.1 Admit only those individuals who are at least eighteen years of age, except that a chartered program may admit a student who is seventeen years old provided that the student has graduated or is enrolled in the twelfth or final grade in a secondary school program.</p> <p>Prerequisite: Current and valid Ohio Fire Fighter I certification; Required NIMS 100 and 700</p>	

Each CTAN identifies the learning outcomes that are equivalent or common in introductory technical courses. In order for students to be able to receive credit under these agreements, the career-technical programs and the state institutions of higher education must document that their course/program content matches the learning. Recognized industry standards are expectations established by business, industry, state agencies, or professional associations. These standards define training program curricular requirements, establish certification or licensure criteria, and often serve as the basis for program accreditation.

Requirements and Credit Conditions:

1. The receiving institution must have a comparable program, major, or courses that have been approved through submission to the Ohio Board of Regents (CT)² approval process for the CTANs listed in this document. (Ohio Department of Education course code 170343)(FFI).
2. Credits apply to courses in the specified technical area at Ohio's public institutions of higher education, provided that the institution offers courses in the specific technical area. In the absence of an equivalent course, and when the institution offers the technical program, the receiving institution will guarantee to grant and apply an equivalent credit value of the Career-Technical Articulation Number (CTAN) toward the technical requirements of the specific degree/certificate program.
3. The applicant must provide proof to the receiving institution that she/he completed a course or program that has been approved through the (CT)² approval process and that she/he holds the appropriate credential or has passed the end-of-program assessment.

4. A career-technical student seeking credit under the terms of this CTAG must apply and be accepted to the college within three years of completing a career-technical education program/course or within the currency of the industry certificate or license.
5. A career-technical student who meets all eligibility criteria will receive the credit hour value for the comparable course(s) as offered at the receiving state institution of higher education.
6. The admission requirements of individual institutions and/or programs are unaffected by the implementation of (CT)² outcomes.
7. The transfer of credit through this CTAG will not exempt a student from the residency requirements at the receiving institution.

Public secondary career-technical students must complete the “Fire Course 3: Firefighter I” pathway to be eligible for credit under this CTAG. This pathway is outlined in the Ohio Department of Education’s *Fire Pathway*.

CTFF002 – Firefighter I

General Course Description: A course that prepares individuals to perform the duties wearing required protective equipment related to Firefighter I. Topics include: fire department operations, firefighting equipment operation and maintenance, principles of combustion and fire behavior, recognition of types of fires and applying the correct methods for extinguishment, personal protective equipment, ventilation, forcible entry, loss prevention, operations level HAZMAT, fire and life safety initiatives, fire prevention and public relations.

The training program for Firefighter I certification shall consist of the following training requirements:

- 1) A training program consisting of not less than 136 hours, which meets all objectives in NFPA 1001 Firefighter I.
- 2) An emergency vehicle course consisting of not less than 16 hours that is approved by the charter program and meets the requirements of NFPA 1002 and 1451
- 3) A four (4) hour Life Safety National Firefighter Foundation Course.

Credits: 7 Semester Hours

Learning Outcomes:

Outcomes marked with an asterisk are essential and must be taught.

1. Explain the organization, mission statement, policies, and procedures of a fire department and explain the role of a Firefighter I within the organization. Communicate the value of fire and life safety initiatives to reduce line of duty deaths and injuries along with the internal programs, external agencies, and documents addressing the well-being of the Firefighter* (General Knowledge Requirements) NFPA 1001 Ch. 5.1.1
2. Demonstrate how to: 1) don and doff personal protective clothing and prepare clothing for reuse and 2) locate information using department documents along with standards and code materials.* (General Skills Requirement) NFPA 1001 Ch. 5.1.2

3. Explain the communication process and list different ways of communicating and initiating a response. Demonstrate the use of basic fire department communication equipment to convey emergency and non-emergency information with persons inside and outside of the department.* (FD Communications) NFPA 1001 Ch. 5.2-5.2.4
4. Explain knowledge of, and demonstrate the ability to: 1) wear, operate, and monitor air supply of an SCBA, 2) use emergency techniques, procedures, and built-in functions, including warning devices, in case of equipment malfunctions or activation of low air alarm, 3) exit a structure prior to air cylinder depletion, 4) wear protective equipment while mounting, riding, and dismounting fire apparatus, 5) establish and work safely in designated work areas.* (Fire Ground Operation - SCBA) NFPA 1001 Ch. 5.3 - 5.3.3
5. Identify common methods and perform forcible entry techniques through various types of doors, windows, walls, and the locking mechanisms using powered and non-powered equipment and tools.* (Fire Ground Operations - Forcible Entry) NFPA 1001 Ch.5.3.4
6. Demonstrate as a team how to safely exit a hazardous environment, with zero visibility conditions, into a safe environment, without depleting your air supply and while maintaining team integrity.* (Fire Ground Operations - Exit Hazardous Area) NFPA 1001 Ch.5.3.5
7. Explain the knowledge needed, and demonstrate the skills required to select, carry, place, raise, extend, climb, and work off of ladders.* (Fire Ground Operations - Ladders) NFPA 1001 Ch.5.3.6
8. Explain knowledge of, and demonstrate the performance required to identify multiple hazards associated with vehicle fires, and use the correct techniques for controlling and extinguishing a vehicle fire. Force entry into all locked compartments.* (Fire Ground Operations - Vehicle Fires) NFPA 1001 Ch. 5.3.7
9. Explain the methods and demonstrate the procedures for: 1) identifying hazards of stacked or stored materials on fire, 2) controlling and extinguishing fires involving Class "A" stacked/stored materials using hand lines and master stream devices, 3) overhauling stacked and stored materials addressing all safety concerns, 4) locating fire origin and cause, and preservation of evidence.* (Fire Ground Operations - Stacked Class "A" Fires) NFPA 1001 Ch. 5.3.8
10. Explain the methods for, and demonstrate entering a structure using various entry points, performing a comprehensive primary search, rescue/removal of a victim found in an obscured visibility environment, and when appropriate, conducting a secondary search while using appropriate tools and equipment.* (Fire Ground Operations - Search and Rescue) NFPA 1001 Ch. 5.3.9
11. Explain procedures for, and demonstrate the following: 1) deploy, extend, and replace attack lines, 2) enter a structure using various entry points, control and extinguish a fire using effective water application techniques for above grade and below grade fires, 3) maintain team integrity, 4) conduct an effective overhaul.* (Fire Ground Operations - Fire Control) NFPA 1001 Ch. 5.3.10 NOTE: NFPA 1403 "Standard on Live Fire Training Evolutions" applies
12. Identify the hazards associated with a structure needing horizontal ventilation and demonstrate various types of horizontal ventilation using natural and mechanical means to remove smoke, heat, and toxic gasses from within the structure using appropriate tools, equipment and procedures.* (Fire Ground Operations - Horizontal Ventilation) NFPA 1001 Ch. 5.3.11

13. Identify the hazards associated with a structure needing vertical ventilation and demonstrate vertical ventilation to remove smoke, heat, and toxic gasses from within the structure using the appropriate tools, equipment, and procedures.* (Fire Ground Operations - Vertical Ventilation) NFPA 1001 Ch. 5.3.12
14. Explain the process and demonstrate the procedures for conducting a safe and effective overhaul, without compromising the structure, using appropriate tools, equipment, and procedures to extinguish all fire and protect possible evidence.* (Fire Ground Operations - Overhaul) NFPA 1001 Ch. 5.3.13
15. Explain the methods and demonstrate the actions required to conduct property conservation by covering unwanted openings, covering/protecting furnishings, stopping or re-routing water flow from sprinkler systems, removing charred materials, and protecting scene evidence. Clean, inspect, fold and roll salvage covers to prepare for reuse.* (Fire Ground Operations - Property Conservation) NFPA 1001 Ch. 5.3.14
16. Explain the steps and demonstrate the procedures for: 1) connecting supply hose to a hydrant and making a forward and reverse lay, 2) operating a hydrant, 3) obtaining water from a suitable static water source that includes drafting from a portable water tank.* (Fire Ground Operations - Water Supply) NFPA 1001 Ch. 5.3.15
17. Identify Class A, B, C, and K type fires and relate the fire to the appropriate type of fire extinguisher. Select the correct fire extinguisher then extinguish a Class A, B, and C type incipient fire.* (Fire Ground Operations - Portable Fire Extinguisher) NFPA 1001 Ch. 5.3.16
18. Explain the process for choosing the appropriate lighting system and placement of the lights for a given fire scene. Demonstrate the procedures by choosing, deploying, and safely illuminating a fire scene scenario. (Fire Ground Operations - Scene Illumination) NFPA 1001 Ch. 5.3.17
19. Identify the safety concerns and procedures for turning off the gas, electric, and water supplies to a structure. Demonstrate the procedures for shutting off the utilities.* (Fire Ground Operations - Turn Off Utilities) NFPA 1001 Ch. 5.3.18
20. Identify the hazards associated with ground cover fires, identify types and features of ground cover fires, and demonstrate controlling/extinguishing fires using the appropriate fire lines, hose, tools, and water application.* (Fire Ground Operations - Ground Cover Fires) NFPA 1001 Ch. 5.3.19
21. Explain the differences, care, maintenance, inspection, and uses for life safety rope compared to utility rope and demonstrate hoisting tools using the appropriate knots.* (Fire Ground Operations NFPA 1001 Ch. 5.3.20)
22. Explain and demonstrate the proper methods for inspecting, cleaning, maintaining and record keeping for: 1) basic tools and equipment, 2) ladders and ropes, 3) ventilation equipment and hose, 4) SCBA. Prepare hose for reuse by rolling and reloading into the hose bed.* (Preparedness And Maintenance) NFPA 1001 Ch. 5.5 - 5.52
23. Identify and respond to hazardous materials incidents. The firefighter candidate shall meet the requirements defined in Chapter 5, Core Competencies for Operations Level Responders, and 6.6, Mission-Specific Competencies Product Control, of NFPA 472, Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents.*

Firefighter Panel Participants

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Ohio Department of Education
Ohio Department of Education

Ohio Board of Regents

Ohio Articulation and Transfer Network
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The Firefighter I CTAG originated in 2008 with work from the following panel participants:

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