

**Career Technical Credit Transfer (CT)<sup>2</sup>**  
**Fire Safety Inspector**  
**Career-Technical Assurance Guide (CTAG)**  
**March 17, 2011**

The following course or Career-Technical Assurance Number (CTAN) is eligible for transfer between career-technical education, adult workforce education, and postsecondary education.

**CTFINSP001 – Fire Safety Inspector**

**Credits: 3 Semester Hours**

**Advising Notes:** Submitted coursework must include proof of Fire Safety Inspector certification from the Ohio Department of Public Safety/Division of EMS.

**Prerequisite:** Fire Safety Inspector: Each student shall be certified as a firefighter under section 4765.55 of the Ohio Revised Code. Each student shall be employed by one of the following: the office of the State Fire Marshal; a firefighting agency as defined in division (A)(3) of section 9.60 of the Ohio Revised Code; and/or a private fire company, as defined in division (A)(5) of section 9.60 of the Ohio Revised Code, that is providing fire protection in accordance with division (B), (C), or (D) of section 9.60 of the Ohio Revised Code.

For qualification as a Fire Safety Inspector, the Fire Safety Inspector shall meet the General Knowledge, Skill, Job Performance Requirements defined later in this document, as well as the requirements set forth by the Ohio Department of Public Safety/ Division of Emergency Medical Services, in NFPA 1031, 2009 edition, Chapter 4, and in Ohio Administrative Code 4765-11-14.

**General Knowledge Requirements:** The Fire Safety Inspector shall meet the performance requirements defined in section 4.2 through 4.4 of NFPA 1031. These sections cover administration: preparation of reports, record-keeping, participation in legal proceedings, and verbal communication with all parties involved; field inspection of new and existing structures/properties for construction, occupancy, fire protection, and exposures; and code compliance.

**General Skills Requirements:** The ability to conduct basic fire inspections and apply codes and standards.

Module 4.2 Administration

- Preparation of Inspection Reports
- Permits
- Plan Review
- Complaints
- Referencing Codes, Standards, and Policies Applicable to Fire Protection, Fire Prevention, and Life Safety
- Legal Proceedings

Module 4.3 Field Inspection

- Occupancy Classification
- Occupancy Load
- Means of Egress
- Construction for Addition or Remodeling Project Projects
- Operational Readiness of Existing Fixed Fire Suppression Systems Hazardous Conditions
- Operational Readiness of Existing Fire Detection and Alarm Systems
- Operational Readiness of Existing Portable Extinguishers
- Hazardous Conditions Involving Equipment, Processes, and Operation
- Comparison of Approved Plans to an Existing Fire Protection System

- Comparison of Approved Plans to an Existing Fire Protection System
- Emergency Plans and Preparedness
- Emergency Access for Existing Site
- Code Compliance for Flammable and Combustible Liquids and Gasses
- Code Compliance for Hazardous Materials
- Hazardous Fire Growth Potential
- Code Compliance
- Fire Flows

\*Minimum hours: 72 hours of class plus passing 10 of 22 randomly selected skills tests.

**Note: Credit hours assigned to CTAGs are “relative values,” which are used to help determine the equivalency of submitted coursework or content. Once approved by a validation panel as a (CT)<sup>2</sup> course, students will be given what the receiving institution is offering as credit for its (CT)<sup>2</sup> approved course.**

The Fire Safety Inspector Competency Guide illustrates the learning outcomes that are equivalent or common in introductory technical courses. In order for completers to receive the indicated credit, institutions must document that their course/program content matches the learning outcomes in the CTAG. The program outcomes identified below represent the **technical course/content** found in Fire Inspector programs as defined by the Ohio Department of Public Safety Division of Emergency Medical Services and the NFPA 1031, Standard for Professional Qualifications for Fire Inspector and Plan Examiner (2009). In some cases, completers must also hold certain licenses and/or certifications or have satisfied specific external validators, such as the examination to become a Fire Safety Inspector.

Pertinent to H. B. 66 legislation, industry standards and certifications provide documentation of student learning. Recognized industry standards are expectations established by business, industry, state agencies, or professional associations that define training program curricular requirements, establish certification or licensure criteria, and often serve as the basis for program accreditation.

#### **Institutional Requirements and Credit Conditions:**

1. The receiving institution must have a charter from the Ohio Department of Public Safety, Division of Emergency Medical Services to offer firefighter education courses.
2. The applicant must provide proof to the receiving institution that she/he holds a current and valid State of Ohio Fire Safety Inspector certification.
3. The applicant must provide proof to the receiving institution that she/he has completed a Fire Safety Inspector training course offered by a publicly assisted career-technical institution or a state supported college.
4. Candidates for graduation from collegiate or university programs may have to satisfy additional degree requirements associated with the basic related or general education studies.
5. Admission requirements of individual institutions and/or programs are unaffected by the implementation of (CT)<sup>2</sup> outcomes.
6. Institutional residency requirements may affect the amount of transfer credit.

**CTFINSP001 – Fire Safety Inspector**

**Subject Codes - Ohio Board of Regents Subject Codes Valid at the Fire Safety Inspector**

430203	FIRE SCIENCE/FIRE-FIGHTING	A PROGRAM THAT PREPARES INDIVIDUALS TO PERFORM THE DUTIES OF FIREFIGHTERS. INCLUDES INSTRUCTION IN FIRE-FIGHTING EQUIPMENT OPERATION AND MAINTENANCE, PRINCIPLES OF FIRE SCIENCE AND COMBUSTIBLE SUBSTANCES, METHODS OF CONTROLLING DIFFERENT TYPES OF FIRES, HAZARDOUS MATERIAL HANDLING AND CONTROL, FIRE RESCUE PROCEDURES, PUBLIC RELATIONS, AND APPLICABLE LAWS AND REGULATIONS.
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**Ohio Department of Education Subject Codes Pertinent to Firefighter I and II**

17.2801 (43.0203)	FIREFIGHTER LEVEL I AND II	THIS COURSE MEETS THE REQUIREMENT IN THE OHIO REVISED CODE REGARDING THE CERTIFICATION OF A FULL-TIME PAID FIREFIGHTER. SPECIALIZED CLASSROOM AND PRACTICAL INSTRUCTION AND LEARNING EXPERIENCES THAT ARE CONCERNED WITH THE PRACTICES AND TECHNIQUES OF FIREFIGHTING. INSTRUCTION IS TO INCLUDE THE FOLLOWING TOPIC AREAS TAKEN FROM THE NFPA 1001 FIREFIGHTER I AND II: FIRE DEPARTMENT ORGANIZATION, SAFTEY, FIRE ALARMS AND COMMUNICATIONS, FIRE BEHAVIOR, PORTABLE EXTINGUISHERS, PERSONAL PROTECTIVE EQUIPMENT, FORCIBLE ENTRY, VENTILATION, ROPES, LADDERS, FIRE HOSE, FIRE APPLIANCES, FIRE STREAMS, FIRE CONTROL, SALVAGE, OVERHAUL, EMERGENCY MEDICAL CARE, RESCUE, WATER SUPPLIES, SPRINKLERS, RESPONSE TO HAZARDOUS MATERAILS INCIDENTS, FIRE PREVENTION, PUBLIC EDUCATION, FIRE CAUSE DETERMINATION, AND BUILDING CONSTRUCTION.
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**Learning Outcomes**

**Summary of Learning Outcomes**                      **All outcomes are essential**

**Note:** In an effort to limit the size of the Competency Guide, the learning outcomes are shown as a topic outline. However, students are expected to define, differentiate, state, assess, characterize, describe, discuss, explain, distinguish, recognize, perform, and/or demonstrate as called for in NFPA Standard 1031(2009), Chapter 4, NFPA 472, Section 4.2, Ohio Administrative Code 4765-11-14 and in the *Knowledge and Skills Document* of the Ohio Department of Public Safety, Division of Emergency Medical Services, Office of Fire Services.

**Module 4.2 Administration**

- 4.2.1                      Preparation of Inspection Reports
  - (A)                      Requisite Knowledge
    - 1)                      Applicable codes and standards
    - 2)                      Policies of the jurisdiction
  - (B)                      Requisite Skills

- 1) Ability to communicate orally and in writing
  - 2) Ability to conduct a field inspection
  - 3) Ability to apply codes and standards
- 4.2.2 Permits
- (A) Requisite Knowledge
    - 1) Applicable codes and standards
  - (B) Requisite Skills
    - 1) Ability to recognize the need for a permit
    - 2) Ability to communicate orally and in writing
- 4.2.3 Plan Review
- (A) Requisite Knowledge
    - 1) Applicable codes and standards
    - 2) Policies of the jurisdiction
  - (B) Requisite Skills
    - 1) Ability to recognize the need for a plan review
    - 2) Ability to communicate orally and in writing
- 4.2.4 Complaint Investigation
- (A) Requisite Knowledge
    - 1) Applicable codes and standards
    - 2) Policies of the jurisdiction
  - (B) Requisite Skills
    - 1) Ability to apply codes and standards
    - 2) Ability to recognize problems and resolve complaints
    - 3) Ability to communicate orally and in writing
- 4.2.5 Referencing Codes, Standards, and Policies Applicable to Fire Protection, Fire Prevention, and Life Safety
- (A) Requisite Knowledge
    - 1) Applicable codes and standards
    - 2) Policies of the jurisdiction
  - (B) Requisite Skills
    - 1) Ability to identify the applicable codes, standards, and policies
    - 2) Ability to reference the codes, standards, and policies by document, edition and section
    - 3) Ability to communicate orally and in writing
- 4.2.6 Legal Proceedings
- (A) Requisite Knowledge
    - 1) Applicable codes and standards
    - 2) Policies of the jurisdiction
    - 3) The legal requirements pertaining to evidence rules in the legal system and types of legal proceedings
  - (B) Requisite Skills

- 1) Ability to communicate orally and in writing
- 2) Ability to maintain a professional courtroom demeanor
- 3) Ability to differentiate facts from opinions

### Module 4.3 Field Inspection

- 4.3.1 Occupancy Classifications
- (A) Requisite Knowledge
- 1) Occupancy classification types
  - 2) Applicable codes, regulations, and standards adopted by the jurisdiction
  - 3) Operational features
  - 4) Fire hazards presented by various occupancies
- (B) Requisite Skills
- 1) Ability to make observations
  - 2) Ability to make correct decisions
- 4.3.2 Occupancy Load
- (A) Requisite Knowledge
- 1) Occupancy classification
  - 2) Applicable codes, regulations, and standards adopted by the jurisdiction
  - 3) Operational features
  - 4) Fire hazards presented by various occupancies
  - 5) Occupant load factors
- (B) Requisite Skills
- 1) Ability to calculate occupant loads
  - 2) Ability to identify occupancy factors related to various occupancy classifications
  - 3) Ability to use measuring tools
  - 4) Ability to make field sketches
- 4.3.3 Means of Egress
- (A) Requisite Knowledge
- 1) Applicable codes and standards adopted by the jurisdiction
  - 2) Maintenance requirements of egress elements
  - 3) Types of construction
  - 4) Occupancy egress requirements
  - 5) The relationship of fixed fire protection systems to egress requirements
  - 6) The relationship of fixed fire protection systems to approved means of egress elements
- (B) Requisite Skills
- 1) Ability to observe and recognize problems
  - 2) Ability to calculate
  - 3) Ability to make basic decisions related to means of egress
  - 4) Ability to use measuring tools
  - 5) Ability to make field sketches

- 4.3.4 Construction for Addition or Remodeling Project
- (A) Requisite Knowledge
- 1) Applicable codes and standards adopted by the jurisdiction
  - 2) Types of construction
  - 3) Rated construction components
  - 4) Accepted building construction methods and materials
- (B) Requisite Skills
- 1) Ability to read plans
  - 2) Ability to make decisions
  - 3) Ability to apply codes and standards
- 4.3.5 Operational Readiness of Existing Fixed Fire Suppression Systems
- (A) Requisite Knowledge
- 1) Basic understanding of the components and operation of fixed fire suppression systems
  - 2) Applicable codes and standards adopted by the jurisdiction
- (B) Requisite Skills
- 1) Ability to make observations and decisions
  - 2) Ability to recognize problems
  - 3) Ability to read reports
- 4.3.6 Operational Readiness of Existing Fire Detection and Alarm Systems
- (A) Requisite Knowledge
- 1) Basic understanding of the components and operation of fire detection, alarm systems, and devices
  - 2) Applicable codes and standards adopted by the jurisdiction
- (B) Requisite Skills
- 1) Ability to make observations and decisions
  - 2) Ability to recognize problems
  - 3) Ability to read reports
- 4.3.7 Operational Readiness of Existing Portable Extinguishers
- (A) Requisite Knowledge
- 1) Basic understanding of portable fire extinguishers, including their components and placement
  - 2) Applicable codes and standards adopted by the jurisdiction
- (B) Requisite Skills
- 1) Ability to make observations and decisions
  - 2) Ability to recognize problems
  - 3) Ability to read reports
- 4.3.8 Hazardous Conditions Involving Equipment, Processes, and Operation
- (A) Requisite Knowledge
- 1) Basic understanding of practices and techniques of code compliance inspections
  - 2) Fire behavior
  - 3) Fire prevention practices
  - 4) Ignition sources

- 5) Safe housekeeping practices
    - 6) Classification of hazardous materials
  - (B) Requisite Skills
    - 1) Ability to make observations and decisions
    - 2) Ability to recognize problems
    - 3) Ability to read reports
  
- 4.3.9 Comparison of Approved Plans to an Existing Fire Protection System
  - (A) Requisite Knowledge
    - 1) Fire protection symbols and terminology
  - (B) Requisite Skills
    - 1) Ability to read and comprehend plans for fire protection systems
    - 2) Ability to make observations and decisions
    - 3) Ability to recognize problems
  
- 4.3.10 Emergency Plans and Preparedness
  - (A) Requisite Knowledge
    - 1) Requirements relative to emergency evacuation drills that are required within the jurisdiction
    - 2) Ways to conduct and/or evaluate fire drills in various occupancies
    - 3) Human behavior during fire and other emergencies
  - (B) Requisite Skills
    - 1) Ability to identify the emergency evacuation requirements contained in the applicable codes and standards
    - 2) Ability to interpret plans and reports
  
- 4.3.11 Emergency Access for Existing Site
  - (A) Requisite Knowledge
    - 1) Applicable codes and standards adopted by the jurisdiction
    - 2) Emergency access and accessibility requirements
  - (B) Requisite Skills
    - 1) Ability to identify the emergency access requirements contained in the applicable codes and standards
    - 2) Ability to observe and make decisions
    - 3) Ability to use measuring tools
  
- 4.3.12 Code Compliance for Flammable and Combustible Liquids and Gasses
- 4.3.13 Code Compliance for Hazardous Materials
- 4.3.14 Hazardous Fire Growth Potential
- 4.3.15 Code Compliance
- 4.3.16 Fire Flows

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