



Fire Inspector 1 – FIRE 210 Fire Training Certification

Course Outline

COURSE IMPLEMENTATION DATE: June 2021
OUTLINE EFFECTIVE DATE: September 2021
COURSE OUTLINE REVIEW DATE: March 2026

GENERAL COURSE DESCRIPTION:

This course is based on NFPA 1031: Standard for Professional Qualifications for Fire Inspector and Plan Examiner and is a beginning level course for Fire Fighters and other interested parties wishing to become more involved in the aspect of fire prevention and inspections. This course is primarily designed for those entering fire service inspections and would be extremely useful to City Inspector and Company Level Officers.

Program Information: This course can be delivered as a stand-alone course or as part of a specialized contract training program.

Delivery: This course is delivered face to face, online, or hybrid.

COTR Credits: 2

Hours for this course: 40 hours

Typical Structure of Instructional Hours:

Instructional Activity	Duration
Lecture Hours	32
Projects	8
Laboratory / Studio Hours	
Practicum / Field Experience	
Total	40

Practicum Hours (if applicable):

Type of Practicum	Duration
On-the-Job Experience	N/A
Formal Work Experience	N/A
Other	N/A
Total	N/A

Course Outline Author or Contact:

Richard Prasad, Fire Instructor

Signature

APPROVAL SIGNATURES:

Department Head
Joy Brown
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Dean of Trades and Technology
Dr. Jack Moes
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Department Head Signature

Dean Signature

EDCO

Valid from: September 2021 – March 2026

Education Council Approval Date

COURSE PREREQUISITES AND TRANSFER CREDIT:

Prerequisites: None

Corequisites: None

Flexible Assessment (FA):

Credit can be awarded for this course through FA Yes No

Transfer Credit: For transfer information within British Columbia, Alberta and other institutions, please visit <http://www.cotr.bc.ca/Transfer>.

Student should also contact an academic advisor at the institution where they want transfer credit.

Prior Course Number: N/A

Textbooks and Required Resources:

Textbook selection varies by instructor and may change from year to year. At the Course Outline Effective Date the following textbooks were in use:

Jones & Bartlett: Principles and Practice, Revised Enhanced 1st Edition

Fire Inspector I Student Manual (Optional)

LEARNING OUTCOMES:

Upon the successful completion of this course, students will be able to

- prepare inspection reports;
 - recognize the need for a permit;
 - recognize the need for plan review;
 - investigate common complaints;
 - identify the applicable code or standard;
 - participate in legal proceedings;
 - identify the occupancy classification of a single use occupancy;
 - compute the allowable occupant load of a single-use occupancy or portion thereof;
 - inspect means of egress elements;
 - verify the type of construction for an addition or remodeling project;
 - determine the operational readiness of existing fixed fire suppression systems;
 - determine the operational readiness of existing fire detection and alarm systems;
 - determine the operational readiness of existing portable fire extinguishers;
 - recognize hazardous conditions involving equipment, processes, and operations;
 - compare an approved plan to an existing fire protection system;
 - verify emergency planning and preparedness measures are in place and have been practiced;
 - inspect emergency access for an existing site;
 - verify code compliance for incidental storage, handling, and use of flammable and combustible liquids and gasses;
 - verify code compliance for incidental storage, handling, and use of hazardous materials;
 - recognize a hazardous fire growth potential in a building or space;
 - determine code compliance; and
 - verify fire flows for a site.
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COURSE TOPICS:

- Inspections Code compliance and Standards
- Occupancy Rates
- Egress elements
- fixed fire suppression systems.
- fire detection and alarm systems.
- portable fire extinguishers.
- Emergency planning

See instructor syllabus for the detailed outline of weekly readings, activities, and assignments.

EVALUATION AND ASSESSMENT (Face-to-Face Delivery):

Assessments	% of Total Grade
Projects and practical assessments	50%
Final Exam	<u>50%</u>
Total:	100%

To be issued certification, the candidate will: provide documentation of prerequisites, complete required training hours including skills training, successfully complete the cognitive written exam, and successfully complete the practical exam.

Please see the instructor syllabus for specific classroom policies related to this course, such as details of evaluation, penalties for late assignments and use of electronic aids.

EXAM POLICY:

Students must attend all required scheduled exams that make up a final grade at the appointed time and place.

Individual instructors may accommodate for illness or personal crisis. Additional accommodation will not be made unless a written request is sent to and approved by the appropriate Department Head prior to the scheduled exam.

Any student who misses a scheduled exam without approval will be given a grade of "0" for the exam.

COURSE GRADE:

Successful completion requires that the candidate perform to a minimum 70% competency on the examination, and successfully complete a skills/project evaluation to a minimum of 70% competency and successful completion of all critical points. Evaluators will test at least 25% of the skills for each. Skill sheets to be tested will be randomly selected by College of the Rockies Fire Program Administrator for the practical examination.

COM	Completed to defined standard
NCG	No Credit Granted

ACADEMIC POLICIES:

See www.cotr.bc.ca/policies for general college policies related to course activities, including grade appeals, cheating and plagiarism.

COURSE CHANGES:

Information contained in course outlines is correct at the time of publication. Content of the courses is revised on an ongoing basis to ensure relevance to changing educational, employment and marketing needs. The instructor endeavours to provide notice of changes to students as soon as possible. The instructor reserves the right to add or delete material from courses.