**COLLEGE OF THE ROCKIES**

# FIRE-210 – Fire Inspector 1

## Technology

**Effective Term & Year:** Fall 2022
**Course Outline Review Date:** 2026-03-01

**Program Area:** Fire Services

**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 Methods:** Hybrid – On-campus (Face-to-Face) and Online

**Credit Type:** College of the Rockies Credits

**Credits:** 2

**Instructional Activity and Hours:**

| Activity | Hours |
| --- | --- |
| Classroom, Directed Studies or Online Instruction | 32 |
| Seminar/Tutorials | |
| Laboratory/Studio | |
| Practicum/Field Experience | |

| | |
|---|---|
| Co-op/Work Experience | |
| Other | 8 |
| Total | 40 |

## Course Requisites:

None

## Flexible Assessment: No

## Course Transfer Credit:

For information about receiving transfer credit for courses taken at either British Columbia or Alberta institutions, please see https://www.bctransferguide.ca/ or https://transferalberta.alberta.ca . For more transfer credit information, please visit https://www.cotr.bc.ca/Transfer

All requests for course transfer credit from institutions in British Columba or elsewhere should go to the College of the Rockies Enrolment Services office.

## Textbook 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:

- 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.

**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

## Evaluation and Assessments

### Assessment Type: On-Campus (face-to-face)

| Assessment Type | % of Total Grade |
|---|---|
| Projects and practical assessments | 50% |
| Final Exam | 50% |
| Total | 100% |

## Grade Scheme

| COM | NCG |
|---|---|
| Completed to the defined standard – 70% and higher | No credit granted – less than 70% |

**Evaluation Notes Comments:**

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.

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.

**Exam Attendance:**

Students must attend all scheduled exams at the appointed time and place. Instructors may approve an alternate exam to accommodate an illness or personal crisis. Department heads will consider other written requests. Any student who misses a scheduled exam without prior approval will receive a "0" on the exam.

**Academic Policies:**

College of the Rockies policies related to courses can be found at https://cotr.bc.ca/about-us/college-policies/ and include the following:

- Policy 2.4.3 Students with Documented Disabilities
- Policy 2.4.4 Student Conduct (plagiarism, other cheating, behavioral misconduct)
- Policy 2.5.8 Academic Performance
- Policy 2.5.3 Grade Appeal
- Policy 2.4.9 Student Concerns Re Faculty

**Course Changes:**

The College of the Rockies updates course outlines regularly to meet changing educational, employment and marketing needs. The instructor will notify students in writing of any updates to this outline during the semester. The instructor reserves the right to revise, add or delete material while meeting the learning outcomes of this course outline.