



Industrial Fire Brigade Member - Incipient – FIRE 123

Fire Training Certification

Course Outline

COURSE IMPLEMENTATION DATE: September 2015
OUTLINE EFFECTIVE DATE: September 2021
COURSE OUTLINE REVIEW DATE: April 2026

GENERAL COURSE DESCRIPTION:

This course complies with the standards set by NFPA 1081 (Industrial Fire Brigade Member - Incipient), and covers the general knowledge necessary to understand basic fire behaviour and the skills necessary to function as a member of an Industrial Fire Brigade. Students learn how to operate within an incident management system and emergency response operations plan for a site. Topics include the standard operating and safety procedures for a site, including site-specific hazards. Learning activities include initiating communications, using facility communications equipment to effectively relay oral or written information, responding to alarms, returning equipment to service, and completing incident reports.

Program Information: This course is a required course for the Fire Training Certification program. It may also be delivered as a standalone course or as a part of a specialized contract training program.

Delivery: This course may be delivered either totally face-to-face, or in a hybrid delivery model (i.e. course theory delivered online; practical skills developed in a face-to-face setting).

COTR Credits: 2

Hours for this course: 32 hours

Typical Structure of Instructional Hours:

| Instructional Activity | Duration |
|------------------------------|-----------|
| Lecture Hours | 24 |
| Practical Skills Training | 8 |
| Laboratory / Studio Hours | |
| Practicum / Field Experience | |
| Other Contact Hours | |
| Total | 32 |

Practicum Hours (if applicable):

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

Course Outline Author or Contact:

Jack Paterson, Fire Instructor

Signature**APPROVAL SIGNATURES:**

Department Head

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Dean of Trades and Technology

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Department Head Signature_____
Dean Signature

EDCO

Valid from: September 2021 – April 2026

Education Council Approval Date**COURSE PREREQUISITES AND TRANSFER CREDIT:****Prerequisites:** See note**Corequisites:** See note

Note: Though students do not need a prerequisite or corequisite to complete FIRE 123 with College of the Rockies, students require FIRE 111 (Hazardous Materials Awareness) to receive Pro Board certification for NFPA 1081 standards for Industrial Firefighter.

Flexible Assessment (FA):Credit can be awarded for this course through FA Yes No

Learners may request formal recognition for flexible assessment at the College of the Rockies through one or more of the following processes: External Evaluation, Worksite Assessment, Demonstration, Standardized Test, Self-assessment, Interview, Products/Portfolio, Challenge Exam. Contact an Education Advisor for more information.

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:

International Association of Fire Chiefs National Fire Protection Association *Industrial Fire Brigade*. (2015). 1st edition revised. Jones and Bartlett Learning

LEARNING OUTCOMES:

Upon the successful completion of this course, students will be able to perform the duties of a professional Fire Fighter according to the criteria set by the National Fire Protection Association, standard NFPA 1081; i.e.:

- initiate, transmit and receive communications following operating procedures with communications equipment properly ensuring team member's safety;
 - follow policies related to maintaining equipment and completing incident reports;
 - extinguish Incipient fires, conserve property and exit hazardous areas safely; and
 - follow site-specific requirements determined by the management of the industrial fire brigade.
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COURSE TOPICS:

- Brigade Member Qualifications and Safety
- Fire Service Communications
- Incident Management Systems
- Fire Behaviour
- Portable Fire Extinguishers
- Brigade Member Tools and Equipment
- Response and Size-up
- Water Supply
- Brigade Member Survival
- Salvage and Overhaul
- Fire Suppression
- Pre-incident Planning
- Fire Detection, Protection, and Suppression Systems
- Fire Cause Determination

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

EVALUATION AND ASSESSMENT:

Assessment of learning follows standard testing procedures as defined by the Pro Board Fire Service Professional Qualifications System; i.e.;

| Assessment |
|--|
| The theory portion of the course is assessed with a Pro Board-approved written test. Students must achieve a minimum mark of 70%. |
| The practical skills portion of the course is assessed on a pass/fail basis. Students must earn a passing grade on each of the skills tests as required by the Pro Board. |
| A passing grade is required in both theory and practical skills components in order to earn credit for the course. |

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:

Course grades are assigned as follows:

| | |
|------------|-------------------------------|
| COM | Completed to defined standard |
| NCG | No Credit Granted |

Students must achieve a 70% on all theory portions of the course and pass all the practical skills to successfully achieve a COM for the course.

All courses (whether credit-bearing or continuing education courses) must be passed or marked "complete" according to the criteria listed before the student can be awarded the COTR Fire Services Training Certificate.

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.