



FIRE-123 – Industrial Fire Brigade Member – Incipient

Technology

Effective Term & Year: Fall 2022
Course Outline Review Date: 2026-04-01

Program Area: Fire Services

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 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	24

Seminar/Tutorials	
Laboratory/Studio	
Practicum/Field Experience	8
Co-op/Work Experience	
Other	
Total	32

Course Requisites:

- 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: Yes

In some cases students may be able to apply for recognition of prior learning outside the classroom. This flexible assessment process provides equivalent course credit. It is a rigorous process that may include external evaluation, worksite assessment, demonstration, standardized test, self-assessment, interview, products/portfolio, and challenge exam, or other measures as appropriate. Tuition fees apply. Contact an education advisor for more information.

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 Columbia 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:

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.

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 Assessments

Assessment Type: On-Campus (face-to-face) and Online, or Hybrid

Assessment Type	% of Total Grade
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.

Grade Scheme

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

Evaluation Notes Comments:

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.

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.