



## FIRE-130 – Fire Driver Pumper Operator

### Fire Services

**Effective Term & Year:** Fall 2026

**Course Outline Review Date:** 2031-04-01

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**Program Area:** Fire Services

#### **Description:**

This course provides students with the knowledge, skills, and practical competencies required to operate and maintain pumping apparatus in emergency response environments. Training is based on the National Fire Protection Association (NFPA) 1010 (2024): *Standard on Professional Qualifications for Firefighters*, including Chapter 11 — *Apparatus: General Requirements for Driver/Operator* and Chapter 12 — *Apparatus: Pumper*.

Students will develop proficiency in apparatus inspection and maintenance, safe vehicle operation, pump theory and operations, water supply systems, relay pumping, drafting, hydrant operations, and emergency scene positioning. Emphasis is placed on safety, operational readiness, and effective fireground support in accordance with current industry standards.

Upon successful completion of the course, students will meet the NFPA 1010 (2024) requirements for Pumping Apparatus Driver/Operator and will be eligible to receive ProBoard certification as a Pumping Apparatus Driver/Operator.

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#### **Program Information:**

This course is designed for students currently in the fire service seeking to further their career.

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

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

**Credits: 2**

**Instructional Activity and Hours:**

<b>Activity</b>	<b>Hours</b>
Classroom, Directed Studies or Online Instruction	16
Seminar/Tutorials	
Laboratory/Studio	24
Practicum/Field Experience	
Co-op/Work Experience	
Other	
<b>Total</b>	<b>40</b>

**Course Requisites:**

- Admission to the Fire Training Certificate program or sponsored by a fire service agency or other approved organization.

**Prior Learning and Recognition: 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 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:

Dunn, P. P. (2025). *Fire apparatus driver/operator* (4th ed.). Stillwater, OK: National Fire Protection Association.

## Learning Outcomes:

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

- perform visual and operational checks;
- operate a fire apparatus;
- operate all fixed systems and equipment on the vehicle;
- initiate the response to a reported emergency;
- establish and operate in work areas at emergency and nonemergency scenes;
- connect a fire department pumper to a water supply as a member of a team;
- produce effective hand or master streams; and
- supply water to fire sprinkler and standpipe systems.

## Course Topics:

- Fire Hose, Appliances, and Nozzles
- Mathematics for the Driver/Operator
- Performing Fire Apparatus Check Out and Maintenance
- Driving Fire Apparatus
- Emergency Vehicle Driving
- Fireground Operations
- Drafting and Water Shuttle Operations
- Relay Pump Operations
- Water Additives, Emulsifiers, Foams, and Wetting Agents
- Performance Testing
- Fire Service Communication

## 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 ProBoard approved written test. Students must achieve a minimum mark of 70%.	50%
The practical assignment 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 ProBoard.	50%
<b>Total</b>	<b>100%</b>

## Grade Scheme

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

**Pass requirements:**

A passing average (70% or higher) in the theory components and satisfactory completion of practice criteria.

**Evaluation Notes:** All evaluation components must be submitted to pass the course.

**Evaluation Notes Comments:**

All testing is done in accordance with ProBoard requirements.

**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 2.1.4 Course Audit
- Policy 2.4.1 Credential Framework
- Policy 2.4.3 Students with Documented Disabilities
- Policy 2.4.4 Student Rights, Responsibilities and Conduct
- Policy 2.4.8 Academic Performance
- Policy 2.4.9 Student Feedback and Concerns
- Policy 2.4.11 Storage of Academic Works
- Policy 2.5.3 Student Appeal
- Policy 2.5.5 Prior Learning Assessment and Recognition (PLAR)

**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.

