



Fire Driver Pumper Operator – FIRE 130 Fire Training Certification

Course Outline

COURSE IMPLEMENTATION DATE: September 2017
OUTLINE EFFECTIVE DATE: September 2022
COURSE OUTLINE REVIEW DATE: March 2027

GENERAL COURSE DESCRIPTION:

This is a one-week course. 40 hours of instruction will be delivered face-to-face or combined with online activities, quizzes, and other assessments. 8 hours of certification evaluation will be performed through face-to-face sessions scheduled for a 1-day period at the end of the course. The course prepares the student for the Pumping Apparatus Driver/Operator certification process.

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

Delivery: This course can be delivered entirely as a face-to-face or as a hybrid course with both online and face-to-face components.

COTR Credits: 2

Hours for this course: 40 hours

Typical Structure of Instructional Hours:

Instructional Activity	Duration
Lecture Hours	16
Seminars / Tutorials	
Laboratory / Studio Hours	24
Practicum / Field Experience	
Total	40

Practicum Hours (if applicable):

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

Course Outline Author or Contact:

Rick Prasad, Lead Instructor Pump Operator

Signature

APPROVAL SIGNATURES:

Department Head

Joy Brown

E-mail: jbrown3@cotr.bc.ca

Dean of Trades and Technology

Dr. Jack Moes

E-mail: jmoes@cotr.bc.ca

Department Head Signature

Dean Signature

EDCO

Valid from: September 2022 – March 2027

Education Council Approval Date

COURSE PREREQUISITES AND TRANSFER CREDIT:

Prerequisites: None

Corequisites: N/A

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:

Jones & Bartlett 3rd Fire Apparatus Dive/Operator , Third Edition

Please see the instructor's syllabus or check COTR's online text calculator <http://go.cotr.bc.ca/tuition/tCalc.asp> for a complete list of the currently required textbooks.

LEARNING OUTCOMES:

Upon the successful completion of this course, students will have met the sections required for a Pumping Apparatus Driver/Operator in the NFPA 1002, 2014 and 2017 editions, *Standard for Fire Apparatus Driver/Operator Professional Qualifications*. Students who successfully complete the certification process will be certified as a Pumping Apparatus Driver/Operator. Specific learning outcomes include the ability 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.
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COURSE TOPICS:

- Types of Apparatus Equipped with a Pump
 - Apparatus Inspection and Maintenance
 - Apparatus Safety and Operating Emergency Vehicles
 - Positioning Apparatus
 - Principles of Water
 - Hose Nozzles and Flow Rates
 - Theoretical Pressure Calculations
 - Fireground Hydraulic Calculations
 - Fire Pump Theory
 - Operating Fire Pumps
 - Static Water Supply Sources
 - Relay Pumping Operations
 - Water Shuttle Operations
 - Foam Equipment and Systems
 - Apparatus Testing
 - Fire Service Knowledge and Skills for Driver/Operators
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EVALUATION AND ASSESSMENT:

Assessment of learning follows standard testing procedures as defined by the Pro Board Fire Officer Professional Qualifications System.

Assessment	% 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%.	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 Pro Board.	<u>50%</u> 100%
A passing grade is required in both theory and practical skills components in order to earn credit for the course.	

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:

COM	Completed to defined standard
NCG	No Credit Granted

A grade of COM is awarded for a minimum of 70% on all theory-based tests and a pass on all practical assignments.

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.

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