



FIRE-116 – First Responder

Technology

Effective Term & Year: Fall 2022

Course Outline Review Date: 2026-04-01

Program Area: Fire Services

Description:

This course provides comprehensive first aid and CPR skills for professional first responders or those training to become first responders. The course teaches the patient assessment model, cardiopulmonary resuscitation, hemorrhage control, and care for a variety of acute and chronic conditions. Participants will be engaged in dynamic training techniques including video, media presentations, skills demonstrations, practice sessions, discussions and scenarios based on real-life situations. Basic Life Support, Airway Management and Oxygen Therapy course modules are also provided.

Program Information:

This is a required course in the Fire Training Certificate program. It may also be delivered as a standalone course or as part of a contract training program.

Successful completion of this course earns:

- Canadian Red Cross First Responder Certificate valid for 3 years
- Canadian Red Cross Basic Life Support (BLS) Certificate valid for 1 year

Delivery Methods: On-campus (Face-to-Face)

Credit Type: College of the Rockies Credits

Credits: 2

Instructional Activity and Hours:

| Activity | Hours |
|---|--------------|
| Classroom, Directed Studies or Online Instruction | 46 |
| Seminar/Tutorials | |
| Laboratory/Studio | |
| Practicum/Field Experience | |
| Co-op/Work Experience | |
| Other | |
| Total | 46 |

Course Requisites:

None

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:

Canadian Red Cross Emergency Care for Professional Responders Reference Text

Canadian Red Cross Emergency Care for Professional Responders Reference Text Workbook

(Optional)

Canadian Red Cross Basic Life Support Field Guide

Learning Outcomes:

Successfully demonstrate the required skills according to the most current Canadian Red Cross First Aid Program Standards.

Course Topics:

- The Professional Responder
- Responding to the call
- Infection prevention and control
- Anatomy and physiology
- Assessment
- Airway management and respiratory emergencies
- Circulatory emergencies
- Shock
- Hemorrhage and soft tissue trauma
- Musculoskeletal injuries
- Chest, abdominal and pelvic injuries
- Head and spinal injuries
- Acute and chronic illnesses
- Poisoning
- Environmental illnesses
- Pregnancy, labour and delivery
- Special populations
- Crisis intervention
- Reaching, lifting and extricating patients
- Multiple-casualty incidents

BLS (Basic Life Support) Course Content

- Glove removal
- Primary Assessment
- Cardiopulmonary Resuscitation (CPR) and Automated External Defibrillator (AED)
- Airway Obstruction
- Assisted Ventilation
- Basic Life Support special considerations

Airway Management Course Content

- Opening the mouth
- Cross finger technique
- Tongue-jaw lift
- Airway adjuncts – insertion and removal
- Oropharyngeal (OPA) airways
- Nasopharyngeal (NPA) airways
- Supraglottic airways (Awareness only)
- Suction

Oxygen Therapy Course Content

- Pulse oximetry
- Supplemental oxygen
- Oxygen cylinders
- Oxygen regulators
- Oxygen delivery devices
- Administering oxygen

Evaluation and Assessments

Grade Scheme

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

Evaluation Notes Comments:

Completion Criteria (Canadian Red Cross First Aid Program Standards):

- Ability to comprehend and successfully demonstrate the skills
- Ability to complete a written, closed book, independently completed knowledge evaluation with a minimum mark of 75%
- Successfully complete two evaluated scenarios (one medical and one trauma)
- Must meet additional legislative requirements, if applicable
- Participants must attend and participate in 100% of the course

Note: Instructors/Evaluators may conduct a one-to-one verbal or written evaluation if the student has a demonstrated learning disability completing written evaluations.

Note: Additional completion criteria may be required in specific jurisdictions by regulators,

licensing bodies or registration bodies. Please check to ensure additional requirements, where applicable, are met.

Taken From the Canadian Red Cross First Aid Program Standards:

Knowledge Evaluations

Written knowledge evaluations are required for each Canadian Red Cross course that results in certification. Knowledge evaluations must be completed individually – participants are not permitted to complete in pairs or as a group. Written knowledge evaluations are closed book evaluations.

If a participant does not successfully complete the knowledge evaluation they are required to observe a 24-hour waiting period prior to a second attempt. Their second attempt must be of an alternate version. If the second attempt is unsuccessful, inform the participant that he or she must complete a recertification for that course.

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.

