Justice Institute of British Columbia
COURSE OUTLINE

Course Code: EMR120

Course Title: Emergency Medical Responder (EMR) - Accelerated

Prerequisites:

Students must have and be able to provide proof of **at least one** of the following requirements:

- Occupational First Aid Level 3 certificate
- First Responder Level 3 License – with AED and Spinal Endorsements
- Advanced Medical First Responder Level 2 Certificate
- Advanced Wilderness First Responder Certificate – *minimum 80 hour with Spinal/AED training*
- Outdoor Emergency Care Certificate – *minimum 80 hour with Spinal/AED training*
- Emergency Medical Responder Certification within the past 3 years
- Previous emergency medical training, certification and experience deemed equivalent for enrollment; acceptance will be at the discretion of the School of Health Sciences

Above noted prerequisite credentials must be current, valid or have expired within the past 6 months.

School: School of Health Sciences

Division/Academy/Centre: Paramedic Academy

Previous Course Code & Title: FREMR100 and OFAEMR100

Course First Offered: February 2011

# of Credits:	**6.5**

Course Description:

The **Emergency Medical Responder (EMR) Accelerated** course is an introduction to emergency medicine for individuals with a background in advanced first aid. This course provides training that students require in order to gain employment as an Emergency Medical Responder within a range of areas including: ambulance services; industrial and workplace settings as a first-aid attendant; life guarding; ski-patrol and medical response for fire departments. The EMR course also provides candidates with foundational knowledge in human anatomy, physiology, pathophysiology and pharmacology; supporting further learning and development in health science.

This course focuses on the core skills, knowledge and protocols within the Emergency Medical Responder level of practice as defined by the Paramedic Association of Canada (PAC).

EMR certification meets one of the mandatory admission requirements for the School of Health Sciences' Primary Care Paramedic Program **and** Diploma in Health Sciences (EMS) Academic Pathway. Refreshing previous training as an EMR may also enhance success with provincial licensing exams as well as in more advanced health care programs.

Certified graduates are eligible to apply for EMR licensure in British Columbia through the Emergency Medical Assistant Licensing Branch (EMALB).

Recommended:

Due to the large amount of reading and comprehension in this course, it is highly recommended that students have proficiency in English language at the secondary school **'English 10' level** or **higher.**

Course Goals:

- To prepare students for further studies or a career in health sciences
- To provide successful students with Emergency Medical Responder Certification
- To provide successful students with CPR Certification – Health Care Provider (CPR-HCP)
- To provide successful students with Standard First Aid Certification

Learning Outcomes:

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

1. Describe the components of the Emergency Health Services system
2. Describe the fundamental principles of anatomy and physiology
3. Assess and manage a broad range of life-threatening traumatic and medical emergencies
4. Perform a physical and psychological patient assessments
5. Perform a secondary assessment involving history taking and vital signs
6. Perform basic airway management including the utilization of airway adjuncts
7. Perform basic breathing management including artificial respirations
8. Perform cardiopulmonary resuscitation (CPR) and Automated External Defibrillation (AED)
9. Perform spinal management procedures and techniques including spinal immobilization
10. Perform the following specific treatments and interventions:
    a. Acute coronary syndrome symptom relief with nitroglycerin and acetylsalicylic acid
    b. Blood glucose sampling and glucose administration to treat diabetic emergencies
    c. Respiratory emergency treatment with salbutamol and ipratropium bromide
    d. Allergic reaction and anaphylaxis treatment with epinephrine (adrenaline)
    e. Pain management through the administration of nitrous oxide gas
    f. Emergency childbirth and neonatal/pediatric basic life support
    g. Basic first-aid techniques including minor wound care and at-work treatment
11. Describe the roles, responsibilities and regulations pertaining to occupational first-aid
12. Describe fundamental principles of vehicle extrication and special rescue situations
13. Describe mass casualty and special rescue considerations

Course Topics/Content:

- Fundamentals of Emergency Medicine
- Introductory Anatomy and Physiology
- Patient Assessment and Diagnostics
- Medical Emergencies Management
- Emergency Mental Health and Intervention
- Pharmacology and Medical Administration
- Traumatic Emergency Management
- Occupational First Aid Skills and Procedures
- EMS Operations and Special Rescue Medicine
- Obstetrics, Pediatric and Geriatric Medicine

Text and Resource Materials

Required – must be acquired prior to course:

1. *Emergency Medical Responder: A Skills Approach*. Fourth Canadian Edition, 2013. K. Karren et al. JIBC
2. *Emergency Medical Responder Student Study Guide and Resource Manual* (2012). Justice Institute of British Columbia, School of Health Sciences.

Recommended:

1. Occupational First Aid: A reference and training manual. (2012). WorkSafeBC.

Course Level:

X	First Year		Second Year		Third Year		Fourth Year

Equivalent Course(s) within the Justice Institute of British Columbia:

- EMR100 - Emergency Medical Responder

Class Delivery Methods:

Delivery Methods	**Full Time** (Mon-Fri | 8:30-4:30 | 8 Days)	**Part Time** (Sat/Sun | 8:30-4:30 | 4 weeks)
Classroom/Lecture/Discussion	16	16
Simulation/Lab	40	40
Practicum/Fieldwork	0	0
Online	0	0
Correspondence	0	0
Total Class Hours	56	56

Comments on Delivery Methods:

Students will benefit greatly from the face-to-face classroom setting. Within the classroom and during lab time, the course focuses primarily on three practical areas: Developing psychomotor skills; practicing and mastering skills; and learning medical protocols.

Students are expected to complete approximately 14 hours of pre-course readings and 1-3 hours of study per night for each day of the course.

Related Program:

EMR certification meets one of the mandatory admission requirements for the School of Health Sciences Primary Care Paramedic Program and entry into the Diploma in Health Sciences (EMS) Academic Pathway.

Credit Transfer: None.

Course Grading System:

	Letter Grades		Percentage		Pass/Fail		Credit/No Credit
X	Complete/Incomplete		Attendance Only		Not Applicable		

Passing Grade:	Complete

Advanced Standing: 2.5 credits are awarded for completion of an approved pre-requisite course.

Evaluation Activities and Weighing:

Final Exam	50%	Assignments		Project		Capstone Project	
Midterm Exam		Portfolio		Participation		Practical Examination	50%
Quizzes/Test		Simulations		Practicum		TOTAL	100%

Comments on Evaluation:

Students must achieve a grade of 70% or higher on all written exam components and on any practical exam components in order to receive a passing grade in the course.

Retests:
Students who receive a grade below 70% on an exam will be provided with the opportunity to complete one retest per failed exam (see Program Evaluation Guidelines for more information). If a student does not achieve a grade of 70% or higher on the retest they will receive a final grade of 'Incomplete'.

Other Course Guidelines, Procedures and Comments:

- Students must maintain a 90% attendance rate for classes and must be present for all examination components.

EMR program guidelines can be found in the *JIBC Calendar* and on the ACP Advanced Diploma program website:

EMR Program Guidelines
http://jibc.ca/programs-courses/schools-departments/school-health-sciences/paramedic-academy/programs/emergency-medical-responder

Program Evaluation Policy
Program Grading Policy

View official versions of related JIBC academic regulations and student policies in the *JIBC Calendar* on the following pages of the JIBC website:

Academic Regulations:
*http://www.jibc.ca/programs-courses/jibc-calendar/**academic-regulations***

Student Academic Integrity Policy
Academic Progression Policy
Admissions Policy
Academic Appeals Policy
Evaluation Policy
Grading Policy

Student Policies:
*http://www.jibc.ca/programs-courses/jibc-calendar/**student-policies***

Access Policy
Harassment Policy – Students
Student Records Policy
Student Code of Conduct Policy

JIBC Core Competencies

The JIBC promotes the development of core and specialized competencies in its programs. Graduates of our programs will demonstrate high levels of competence in the following areas:

Critical thinking

Identify and examine issues and ideas; analyze and evaluate options in a variety of fields with differing assumptions, contents and methods.

Problem solving

State problems clearly; effectively and efficiently evaluate alternative solutions; choose solutions that maximize positive and minimize negative outcomes.

Communication, oral and written

Demonstrate effective communication skills by selecting the appropriate style, language and form of communication suitable for different audiences and mediums.

Interpersonal relations

Know and manage oneself; recognize and acknowledge the needs and emotions of others including those with diverse backgrounds and capabilities.

Leadership

Inspire individuals and teams to reach their potential by embracing innovation through strategic thinking and shared responsibility.

Inter-professional teamwork

Understand and work productively within and between groups, respect others' perspectives and provide constructive feedback with special attention to inter-professional relationships.

Independent learning

Show initiative by acting independently in choosing effective, efficient and appropriate applied learning, research and problem solving strategies.

Information literacy

Recognize and analyze the extent and nature of an information need; efficiently locate and retrieve information; evaluate it and its sources critically, and use information effectively and ethically.