

CURRICULUM AT A GLANCE

ACADEMIC FOUNDATION - 30 CREDITS

ENGL-1100 - ACADEMIC WRITING -3 CREDITS

Develop your critical thinking, research and writing skills to ensure success with post secondary level communication and composition. Participants will practice writing strategies through various writing assignments designed to strengthen your communication skills. *Prerequisite: English 12*

STAT-1100 - STATISTICS -3 CREDITS

This is an introductory course to statistics. Some of the topics studied will be exploring and understanding data, relationships between variables, looking at discrete and continuous probability distributions, issues of randomness including sampling and sampling distributions, and drawing statistical inference for comparing samples. *Prerequisite: Math 11*

RESM-2100 - RESEARCH METHODS - 3 CREDITS

Research Methods 200 is designed for learners who are, or will be, engaged in applied science research, community based research (CBR), and policy research initiatives. This introductory course provides the knowledge and basic tools to conceptualize core research questions and to design appropriate methods for hypothesis testing, data collection and analysis. As a foundation course, the content will focus primarily on qualitative methods, participant observation, comparative studies, case studies, ethnography, descriptive field studies, and secondary data analysis. *Prerequisite: None*

ETHS-1100 - APPLIED ETHICS - 3 CREDITS

Applied Ethics introduces classical and contemporary theories of ethics and emphasizes strategies for moral reasoning, critical thinking and ethical decision-making. An interactive online course, ETHS100 uses a seminar based format to challenge learners to integrate and apply theoretical perspectives, create personal codes of ethics and analyze contemporary ethical issues in their roles as citizens, employees and justice and public safety professionals. *Prerequisite: English 12*

PSYC-1100 - INTRODUCTION TO PSYCHOLOGY – 3 CREDITS

This course will introduce you to many of the major topics of psychology, emphasizing the scientific approach to understanding human behaviour. Some of the topics include sensation, growth and development, learning, memory, emotion and disorders. *Prerequisite: None*

BIOL-2203 - HUMAN ANATOMY AND PHYSIOLOGY – 3 CREDITS

Human Biology II is a continuation of the study of the anatomy and physiology of humans. This course provides you with an in depth knowledge of the anatomy and physiology of the nervous, excretory, endocrine and reproductive systems in preparation for the diploma courses in pathophysiology and pharmacology. *Prerequisite: PARA-1100, PARA-100 or CS200 and Biology 11 (or equivalent)*

HLSC-2214 - PATHOPHYSIOLOGY - 3 CREDITS

Pathophysiology 214 focuses on the study of homeostasis and how it is altered by physical, biochemical, microbial or genetic factors. The course includes etiology, pathogenesis, growth and developmental variations, clinical manifestations, complications, diagnosis and treatment of selected health challenges. By the end of this introductory course, you will be able to identify, explain and discuss disease and disorder in relation to their physical presentation in preparation for future courses in medical assessment and treatment. *Prerequisite: PARA-1100, PARA100 or CS200 and Biology 11 (or equivalent)*

HLSC-2215 - PRINCIPLES OF PHARMACOLOGY – 3 CREDITS

Pharmacology 215 builds a comprehensive understanding of the principles of pharmacology, the characteristics and use of drugs, drug interactions, and common medication profiles. Learn how the concepts of pharmacology and drug administration are related to the use of common medications and drugs. You will learn about medicinal chemistry, pharmacokinetics, pharmacodynamics, and principles of drug administration, then apply these concepts in examining drugs that affect various body systems. *Prerequisite: PARA-1100, PARA100 or CS200 and Biology 11 (or equivalent)*

HLSC-2216 - PROFESSIONAL PRACTICE: EVIDENCE-BASED PRACTICE - 1.5 CREDITS

In this course learners will apply the principles of adult education and life-long learning to an exploration of evidence based approaches to paramedic practice. Topics covered will include life-long learning, the role of experience, strategies for learning, the research process, reading and interpreting research studies and trends in research and evidence-based practice. You will identify, critically appraise, and discuss current issues in medicine and pre-hospital care. *Prerequisite: None*

CRES-1150 - THEORETICAL FOUNDATIONS OF DISPUTE RESOLUTION – 1.5 CREDITS

Undertake a creative and critical examination of your dispute resolution beliefs, skills and practices. Mastering dispute resolution skills and processes requires adapting their use to varying circumstances. Assumptions about how human beings understand conflict, why they get involved in disputes, and the meanings of “resolution” underlie all dispute resolution processes. Understanding these assumptions will help you to assess when particular circumstances require adaptation and how different processes might have disparate effects on particular disputants. *Prerequisite: None*

HLSC-2299 - CAPSTONE PROJECT - 3 CREDITS

This independent study project will enable you to synthesize the concepts and skills acquired in the Diploma in Health Sciences (EMS) program. The Capstone Project requires participants to create: 1. A comprehensive patient profile based on a case from the learner's field experiences, and 2. A portfolio of the learner's experiences and performance in the diploma program.

Primary Care Paramedic Certification Component - 30 Credits

Practicing Paramedics with PI, EMA II, PCP certificate or ACP diploma training or equivalent may receive academic credit for this component.



715 McBride Boulevard
New Westminster, BC V3L 5T4
Canada

HOW TO APPLY?

Complete the JIBC online program application form and submit required documentation. There is a \$75 non-refundable application fee.

For more information:

jibc.ca/emsdiploa

emsdiploa@jibc.ca

604.528.5590

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