

# HEALTH SCIENCES (HSCI)

This is a list of the Health Sciences (HSCI) courses available at KPU. Please note, all HSCI courses are restricted to Bachelor of Science, Major in Health Sciences program students.

## **HSCI 1115** **3 Credits**

### **Introduction to Health Science**

Students will be introduced to the multifaceted field of health science and the foundations of promoting health and wellness. Students will explore concepts of health, science and health science from a variety of perspectives including biological, clinical, cultural, environmental, political and socioeconomic. Students will be introduced to the variety of health care careers that contribute to the effective delivery of health care and the promotion of health and wellness in the community. Students will learn the benefits of well-organized cross-functional teams in generation of innovation, productivity and effective service.

*Prerequisites: One of: English 12 (B), English 12 First Peoples (B), ENGQ 1091, ENGQ 1092, ENGQ 1099, ABEE 0091, ENGP 1091, ABEE 0092, ABEE 0097, ENGP 1097, Kwantlen English Placement Test, an LPI Essay score of 30 – Level 5, IELTS 6.5 with no band less than 6.0, iBT 86 with minimum writing subscore 24, PBT 570 with TWE 5.5, [ELST 0381 (B) & ELST 0383 (B)], [ELST 0381 (B) & KIST score of 50 or higher] AND One of: MATQ 1093, MATH 1117, MATQ 0011, ABEM 0011, MATP 1011, MATQ 1099 (B-), Pre-calculus 12 (C), Principles of Mathematics 12 (C), Pre-calculus 11 (B), Principles of Mathematics 11 (B), Pre-calculus 11 (C) plus Mathematics Placement Test, Principles of Mathematics 11 (C) plus Mathematics Placement Test, Pre-calculus 12 (C-) plus Mathematics Placement Test, Principles of Mathematics 12 (C-) plus Mathematics Placement Test, Applications of Mathematics 12(C) plus Mathematics Placement Test, Applications of Mathematics 11 (C) plus Mathematics Placement Test*  
*Transferable (refer to transfer guide)*

## **HSCI 1220** **3 Credits**

### **Health Science Writing**

Students will learn how to analyze audience and context in order to communicate effectively in the field of health science. They will learn basic research strategies, document conventions, teamwork strategies, health science proposal and report creation, conflict resolution approaches, and health science language usage. Students will develop their written and oral communication skills, as well as critical thinking and research skills. They will learn the principles, theories, techniques, and common formats required for writing and communicating scientific research, proposals, reports, and reviews.

*Prerequisites: ENGL 1100 and BIOL 1110 and HSCI 1115*

## **HSCI 2220** **3 Credits**

### **Medical Terminology**

Students will learn the basic Greek and Latin constructs upon which science and medical language is based. Students will learn to identify, articulate, and spell classic nouns, prefixes, and suffixes. They will learn how to translate non-science language into biomedical terminology and how to deconstruct biomedical terminology into clear and accurate non-science language.

*Prerequisites: ENGL 1100 and One of: BIOL 1160 or BIOL 1110*

## **HSCI 3215** **3 Credits**

### **Complementary Medicine**

Students will learn to undertake an evidence-based evaluation of complementary, alternative and integrated approaches to medicine. They will examine various modalities that include the full scope of naturopathic modalities, Indigenous philosophies, and body and mind therapies.

*Prerequisites: One of: ENGL 1100 (B), HSCI 1220 (B) AND One of: (BIOL 1110 and BIOL 1210), (BIOL 1160 and 1260)*  
*Transferable (refer to transfer guide)*

## **HSCI 3225** **3 Credits**

### **Nutrition**

Students will learn the fundamentals of the macronutrients (i.e., carbohydrates, lipids, and protein), fluids, fiber, alcohol, vitamins, and minerals including their integration, regulation, and roles in promoting health. Students will review nutritional requirements and dietary patterns of healthy individuals throughout the life span, and evidence-based examination of the role of nutrition in the prevention of chronic disease will be discussed. Students will also review topical issues in the field of nutrition will be explored.

*Prerequisites: BIOL 2421*  
*Not Transferable*