

BACHELOR OF HEALTH (BH) Major in Biomedical Sciences and Health CHECK LIST

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| NAME: | | START TERM: |
| ID: | | |

Minimum grades of C are required in all courses to be counted towards the BH degree.

Students are responsible for ensuring that they have completed the necessary pre-requisites for the Required (R) courses and Required Electives (RE)

| TERM (usually) | Course Number | Course Title | Credit hours (ch) | Grade | CR Rec'd |
|-------------------|-----------------------------------|---|-------------------------|-------|----------|
| YEAR 1 | | | | | |
| Fall | BIOL 1105 | Biological Principles, Part I | 3 | | |
| Fall | CHEM 1041 | General Chemistry I | 3 | | |
| Fall | CHEM 1046 | Introductory Chemistry Laboratory I | 2 | | |
| Fall | HEAL 1001 | Current Issues and Future Trends in Health | 3 | | |
| Fall | PSYC 1003 | Introductory Psychology I | 3 | | |
| Fall | SOCI 1001 | Introduction to Sociology | 3 | | |
| Winter | BA 1501 | Introduction to Business | 3 | | |
| Winter | BIOL 1017 | Applications in Biology, Part II | 2 | | |
| Winter | BIOL 1205 | Biological Principles, Part II | 3 | | |
| Winter | CHEM 1072 | General Chemistry II | 3 | | |
| Winter | CHEM 1077 | Introductory Chemistry Laboratory II | 2 | | |
| Winter | HEAL 1002 | Introduction to Health from a Global Perspective | 3 | | |
| Winter | PSYC 1004 | Introductory Psychology III | 3 | | |
| YEAR 2 | | | | | |
| Fall | BIOL 1411/1431 | Human Anatomy and Physiology I | 4 | | |
| Fall | CHEM 2421 | Organic Chemistry I | 3 | | |
| Fall | HEAL 2001 | Health Communications | 3 | | |
| Fall | One of: HIST 2514 INDG 1002 | Nations in North America to the War of 1812 Introduction to Indigenous Studies | 3 | | |

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| Fall | One of: STAT 1793 STAT 2263 | Introduction to Probability and Statistics I Statistics for Health Sciences and Non Science Majors | 3 | | |
| Winter | BIOL 1412/1432 | Human Anatomy and Physiology II | 4 | | |
| Winter | RE 1 One of: BIOL2015/2065/ 2245/2485 | Introductory Genetics/Introductory Biochemistry/Introductory Molecular Cell Biology/Introduction to Microbiology | 4 | | |
| Winter | HEAL 2002 | Introduction to Data Analytics & Health Information Technology | 3 | | |
| Winter | HEAL 2003 | Methods in Health Research and Information Literacy | 3 | | |
| Winter | SOCI 2376 | Sociology of Health, Illness and Healing | 3 | | |
| YEAR 3 | | | | | |
| Fall | RE 2 One of: BIOL2015/2065/ 2245/2485 | Introductory Genetics/Introductory Biochemistry/Introductory Molecular Cell Biology/Introduction to Microbiology | 4 | | |
| Fall | HEAL 3/4xxx | Health course in Biomedical Science (HEAL 3100- 3299, 4100-4299) | 3 | | |
| Fall | HEAL 3001 | History and Structure of the Canadian Health Care System (CEX: HSCI 3061, NURS 3061) | 3 | | |
| Fall | PSYC 2712 | Foundations in Neuroscience | 3 | | |
| Winter | BIOL 3853 | Introduction to Pathophysiology | 3 | | |
| Winter | HEAL 3002 | Indigenous Health Determinants | 3 | | |
| Winter | PSYC 3033 | Health Psychology | 3 | | |
| YEAR 4 | | | | | |
| Fall | HEAL 3/4xxx | Health course in Biomedical Science (HEAL 31000- 3299, 4100-4299) | 3 | | |
| Fall | HEAL 4001 | Transformation Through Collaboration & Innovation I | 3 | | |
| Winter | HEAL 4002 | Transformation Through Collaboration & Innovation II | 3 | | |
| Winter | PSYC Seminar course | PSYC Options: 4233, 4293, 4313, 4463, 4493, 4583, 4733, 4813, 4833 | 3 | | |
| RE - REQUIRED ELECTIVES (15ch from approved list) | | | | | |
| | RE 3 | | min. 3 | | |
| | RE 4 | | min. 3 | | |
| | RE 5 | | min. 3 | | |
| | RE 6 | | min. 3 | | |

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| | RE 7 | | min. 3 | | |
| GE - GENERAL ELECTIVES (min. 12ch) | | | | | |
| | GE 1 | | min. 3 | | |
| | GE 2 | | min. 3 | | |
| | GE 3 | | min. 3 | | |
| | GE 4 | | min. 3 | | |
| COMPLETED ch | Core courses (min. 66 ch) | | | | 0 |
| | RC - Required Courses (min. 29) | | | | |
| | RE - Required Electives (min. 23ch) | | | | 0 |
| | GE - General Electives (max. 12ch) | | | | 0 |
| | TOTAL (min. 130ch) | | | | 0 |

| REQUIRED ELECTIVES (RE) OPTIONS - min 15chs | | | | | |
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| (*can only count as required course OR required elective, not both) | | | | | |
| TERM | Course Number | Course Title | ch | | Pre-requisites |
| | BIOL 2015* | Introductory Genetics | 4 | | BIOL 1205, BIOL 1105 and BIOL 1017 |
| | BIOL/CHEM 2065* | Introductory Biochemistry | 4 | | BIOL 1205, BIOL 1105 and BIOL 1017, CHEM 2421 |
| | BIOL 2245* | Introductory Molecular Cell Biology | 4 | | BIOL 1205, BIOL 1105 and BIOL 1017 |
| | BIOL 2485* | Introduction to Microbiology | 4 | | BIOL 1205, BIOL 1105 and BIOL 1017 |
| | BIOL 2615 | Introductory Zoology | 5 | | BIOL 1205, BIOL 1105 and BIOL 1017 |
| | BIOL 3022 | Evolution | 3 | | BIOL 2015 or BIOL 2245 |
| | BIOL 3055 | Animal Physiology | 4 | | BIOL 2615 |
| | BIOL 3132 | Advanced Biochemistry | 3 | | BIOL 2065 |
| | BIOL 3435 | Biomolecules and Primary Metabolism | 3 | | CHEM 2422 and BIOL/CHEM 2065 |
| | BIOL 3553 | Introduction to Bioinformatics | 4 | | 60chs |
| | BIOL 3635 | Animal Physiology II | 4 | | BIOL 3055 |
| | BIOL 4245 | Molecular Ecology | 4 | | BIOL 2015 or 2245 or 3022 or permission of the instructor |
| | BIOL/CHEM 4435 | Biologically Active Natural Products and Secondary Metabolism | 3 | | CHEM 2422 and BIOL/CHEM 2065. |
| | HEAL/BIOL 3101 | Molecular and Cellular Basis of Cancer | 3 | | Two of the following: BIOL 2015, BIOL 2065, BIOL 2245, BIOL 2485, or permission of the instructor |
| | HEAL 3102 | Clinical Neuropsychology (Cross-Listed: PSYC 3724) | 3 | | PSYC 2712 or PSYC 3723 or permission of the instructor |

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| | HEAL 3103 | Neurobiology of Learning | 3 | | PSYC 2712 and one of BIOL 1411/41, BIOL 2015, BIOL 2065, BIOL 2245, BIOL 2485, or permission of the instructor |
| | HEAL 4004 | Honours Research Seminar | 3 | | Admission to the Bachelor of Health Honours program, Corequisite: HEAL 4005 |
| | HEAL 4101 | Advanced Topics in Biomedical Sciences and Health | 3 | | Completion of 90 ch; Biomedical Science and Health major, or permission of the instructor |
| | HEAL 4102 | Neuroplasticity (Cross-Listed: PSYC 4712) | 3 | | PSYC 2712 or PSYC 3723 or permission of the instructor |
| | HEAL 4103 | The Impact of Epilepsy on Quality of Life | 3 | | PSYC 2712 and one of BIOL 1415, BIOL 2015, BIOL 2065, BIOL 2245, BIOL 2485, or permission of the instructor |
| | PSYC 2693 | Cognitive Processes | 3 | | PSYC 1003, PSYC 1004 |
| | PSYC 3383 | Sensation and Perception | 3 | | PSYC 1003, PSYC 1004 |
| | PSYC 3503 | Learning | 3 | | PSYC 1003, PSYC 1004 |
| | PSYC 3632 | Motivation | 3 | | PSYC 1003, PSYC 1004 |
| | PSYC 3723 | Introduction to Human Neuropsychology | 3 | | PSYC 2712 |
| | PSYC 3724 | Introduction to Clinical Neuropsychology | 3 | | PSYC 2712 or 3723 |
| | PSYC 3725 | The Dementials | 3 | | PSYC 1003, PSYC 1004 |
| | PSYC 3752 | Drugs and Behaviour | 3 | | PSYC 1003, PSYC 1004 |
| | PSYC 4021 | Cognitive and Psychophysiological Research | 3 | | PSYC 2102 |
| | PSYC 4111 | Conducting Research Studies | 3 | | PSYC 2102 |
| | PSYC 4583 | Advanced Perception | 3 | | PSYC 2102 and PSYC 3383 |
| | PSYC 4733 | Cognitive Neuroscience | 3 | | PSYC 2102, PSYC 2712 and either PSYC 3383 or PSYC 2693 |
| | PSYC 4813 | Substance Use Disorders | 3 | | PSYC 2102 and one of PSYC 3752 or PSYC 4833 |
| | PSYC 4833 | Psychopharmacology | 3 | | PSYC 2102 and PSYC 2712 |

Updated 2023-2024 (July12/23)

Advising: