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| **Year 1** | **Year 2** | **Year 3** | **Year 4** |
| **Core Courses: 18.0 Units Required** | **Core Courses: 18.0 Units Required** | **Core Courses: 15.0 Units Required** | **Core Courses: 6.0 Units Required** |
| IDIS 173 History and Philosophy of Health and Healthcare  *(previously BMED 173)* | PHGY 215 Principles of Mammalian Physiology I | REPD 372 Reproduction and Development | GLPH 471 Advanced Global and Population Health |
| PHAR 100 Introductory Pharmacology | PHGY 216 Principles of Mammalian Physiology II | IDIS 373 Health Ethics, Law, and Policy  *(previously BMED 373)* | REPD 473 Developmental Origins of Health and Disease |
| ANAT 100 Anatomy of the Human Body | HSCI 270 Fundamentals of Health Research Methodology  *(previously BMED 270)* | PATH 310 Introduction to Pathology and Molecular Medicine |  |
| PHGY 170 Human Cell Physiology | GLPH 271 Global and Population Health | PHAR 370 Fundamentals of Pharmacology and Therapeutics  *(previously PHAR 270)* |  |
| GLPH 171 Social and Physical Determinants of Health and Disease | BCHM 270 Biochemical Basis of Health and Disease | BCHM 370 Genetics and Genomics  *(previously BMED 370)* |  |
| HSCI 190 Introduction to Statistics for the Health Sciences  (NOTE: If a student has previously completed BIOL 243 or STAM 200, they do not need to take HSCI 190 to fulfil the statistics requirement) | **1 of** MICR 271 Introduction to Microbiology\*\* **OR** MICR 270 Infection, Immunity, Inflammation\*\*  \*\*If a student chooses to take both MICR 270 and MICR 271, one will count as core and the other towards the option requirements |  |  |
| **Option Courses: Minimum 6.0 Units** | **Option Courses: Minimum 6.0 Units** | **Option Courses: Minimum 9.0 Units** | **Option Courses: Minimum 18.0 Units** |
| PATH 120 Understanding Human Disease in the 21st Century | MICR 271 Introduction to Microbiology\*\* OR MICR 270 Infection, Immunity, Inflammation\*\*  \*\*If a student chooses to take both MICR 270 and MICR 271, one will count as core and the other towards the option requirements | PHAR 380 Drug and Environmental Toxicology | BMED 483 Advanced Topics in Infectious Diseases |
| IDIS 199 The Science of Mental Health, Well-being, and Resiliency | PHGY 290 Investigation of Human Physiological Responses | CANC 380 Evolutionary Biology of Cancer | PHAR 480 Drug Discovery and Development |
| *BIOL 102 Introductory Biology of Cells****\**** | MICR 290 Antibiotic Resistance Lab | PATH 381 Clinical Biochemistry*(Previously BMED 381)* | CRSS 454 Cardiovascular Sciences |
| *BIOL 103 Introductory Biology of Organisms****\**** | IDIS 280 Interprofessional Approaches in Healthcare | HSCI 383 Advanced Research Methodologies *(previously BMED 383)* | ANAT 471 Human Embryology |
| *CHEM 112 General Chemistry (****on-campus students only****)****\**** | *CHEM 281 General Organic Chemistry I****\**** | BMED 390 Integrative Laboratory Studies  *(previously BMED 384)* | BCHM 482 Proteomics and Metabolomics |
| *CHEM 113 General Chemistry I****\**** | *CHEM 282 General Organic Chemistry II (****on-campus students only****)****\**** | MICR 386 Fundamentals of Immunology in Health and Disease  *(previously BMED 386)* | GLPH 493 Global Health Practice |
| *CHEM 114 General Chemistry II****\**** | *CHEM 285 General Organic Chemistry II****\**** | MICR 320 Microbes in Health and Disease  *(previously MICR 382)* | NSCI 483 Neurobiology of Learning and Memory |
| *MATH 121 Differential and Integral Calculus or MATH 123 & MATH 124****\**** | BCHM 218 Molecular Biology | ANAT 380 Clinically Relevant Human Anatomy | IDIS 480 Advanced Interprofessional Approaches in Healthcare |
| *WRIT 120 Fundamentals of Effective Writing****\**** | *HLTH 230 Fundamentals of Human Nutrition****\**** | GLPH 385 Biohacking and Gerontechnology | IDIS 483 Applied Health Ethics: Clinical, Organizational, and Research Perspectives |
| *WRIT 125 Fundamentals of Academic Essay Writing****\**** | GLPH 281 Racism and Health in Canada | ANAT 309 Functional Histology | GLPH 485 Global Application of Health Informatics |
| *ENGL 100 Introduction to Literary Study****\**** |  | LISC 391 Integrated Life Sciences Laboratory II | HSCI 483 Applied Qualitative Methods For Health Research |
| *PSYC 100 Psychology****\**** |  | HSCI 591 Health Sciences Research: Design and Methods | HSCI 591 Health Sciences Research: Design and Methods |
| *PHYS 118 Basic Physics or PHYS 117****\**** |  | HSCI 592 Health Sciences Research: Design and Methods | HSCI 592 Health Sciences Research: Design and Methods |
|  |  | HSCI 593 Health Sciences Research: Data Collection and Interpretation | HSCI 593 Health Sciences Research: Data Collection and Interpretation |
|  |  | HSCI 594 Health Sciences Research: Data Collection and Interpretation | HSCI 594 Health Sciences Research: Data Collection and Interpretation |
|  |  |  | HSCI 595 Health Sciences Reseach: Data Collection and Interpretation |
|  |  |  | HSCI 598 Advanced Health Sciences Research: Design and Methods |
|  |  |  | HSCI 599 Advanced Health Sciences Research: Data Collection and Analysis |
| **Electives: 6.0 Units** | **Electives: 6.0 Units** | **Electives: 6.0 Units** | **Electives: 6.0 Units** |