

Specialization in Biomedical Biology

First year

BIOL 1506 Biology I
 BIOL 1507 Biology II
 CHMI 1006 General Chemistry I+
 CHMI 1007 General Chemistry II
 MATH 1036 Calculus I++

MATH 1037 Calculus II *or*
 MATH1057 Linear Algebra I

PHYS 1006 Introductory Physics I *or*
 PHYS 1206 Physics for Life Sciences I (recommended)

PHYS 1007 Introductory Physics II *or*
 PHYS 1207 Physics for Life Sciences II (recommended)

ANTR 1006/1007 Introduction to Anthropology I/II *or*
 PSYC 1105 Introduction to Psychology

+ Students lacking 12U-level Chemistry or the equivalent must complete CHMI 1041 prior to taking CHMI 1006.

++ Students with a grade of less than 60% in 12U-level Calculus or the equivalent must complete MATH 1912 prior to taking MATH 1036.

Second year

BIOL 2007 Genetics
 BIOL 2026 Introduction to Microbiology
 BIOL 2105 Human Anatomy and Physiology
 BIOL 2126 Cell Biology *or*
 BIOL 3726 Animal Histology*
 BIOL 2706 Vertebrate Form and Function
 CHMI 2426 Organic Chemistry I
 CHMI 2427 Organic Chemistry II
 CHMI 2227 Biochemistry I
 STAT 2126 Introduction to Statistics *or*
 STAT 2246 Statistics for Science

Third year

BIOL 3117 Infectious Diseases
 BIOL 3327 Experimental Methods in Biology
 BIOL 2126 Cell Biology* *or*
 BIOL 3726 Animal Histology*
 CHMI 3226 Biochemistry II
*+ 6 credits from Biomedical List**
+ 6 credits from the Social Sciences or Humanities
+ 6 credits from any discipline

Fourth year

27 credits from the Biomedical List*
 + 3 credits from any discipline

Biomedical List

BIOL 2726 Diversity of Animals
 BIOL 2757 Biological Aspects of Human Sexuality
 BIOL 3026 Applied and Environmental Microbiology
 BIOL 3346 Ethnobotany
 BIOL 3386 Mycology
 BIOL 3756 Vertebrate Physiology
 BIOL 4017 Literature Review
 BIOL 4035 Research and Seminar
 BIOL 4717 Animal Behaviour
 Biomedical Biology 19/09/12 10:07 PM
http://biology.laurentian.ca/Laurentian/Home/Departments/Biology/Und...Programs/Specializations+in+Biology/biomed.htm?Laurentian_Lang=en-CA Page 3 of 3
 BIOL 4717 Animal Behaviour
 BIOL 4736 Developmental Biology
 BIOL 4797 Environmental Physiology***
 BIOL 4807 Advanced Genetics***
 ANTR 2016 Human Biological Variation, Adaptations and Health**
 ANTR 2017 Human Evolution**
 ANTR 3036 Human Skeletal Biology**, ****
 ANTR 3046 Human Ecology and Palaeoecology**
 ANTR 3047 Public Health and Epidemiology**
 ANTR 3086 Medical Anthropology: Medicine, Culture and Society**
 ANTR 3087 Ethnomedicine: Cross-Cultural Healing**
 ANTR 4006 Food and Disease Prevention**
 ANTR 4007 Origins of Sickness and Medicine**
 CHMI 2031 Natural Products: Organic and Biochemical Features***
 CHMI 3206 Applied Bioinformatics***
 CHMI 3427 Introduction to Medicinal Chemistry
 CHMI 4216 Biochemistry of Nucleic Acids
 CHMI 4217 Biomembranes, Structure and Function
 CHMI 4226 Recombinant DNA Technology***
 CHMI 4227 Recombinant DNA Technology II***
 CHMI 4287 Biochemical Toxicology***
 CHMI 4297 Biochemistry of the Immune System
 CHMI 4486 Advanced Medicinal Chemistry
 FORS 3036 Forensic Anatomy of Human Skeleton ****
 PHYS 2606 Biophysics of Fluids
 PHYS 2616 Physics of Hearing and Vision
 PHYS 3306 Radiobiology and Radiation Protection
 PHYS 3616 Use of Lasers and Fiber Optics in Health Sciences
 PHYS 3626 Radiation Biophysics and Physics of Medical Imaging
 PSYC 2606 Brain and Behaviour***
 PSYC 2617 Human Neuropsychology***
 PSYC 3506 Neuropharmacology***
 PSYC 3507 Behavioural Neurobiology***

** Certain core courses and senior-level courses are offered on alternate years. These courses must be chosen in consultation with the Academic Advisor. As such, the timetables of the respective departments must be consulted to identify each year's course offerings.*

*** to a maximum of 12 ANTR credits in third and fourth years*

**** In consultation with the Academic Advisor*

***** Either ANTR 3036 or FORS 3036 (but not both) can be taken.*