# ANATOMY & CELL BIOLOGY

## HONOURS PROGRAM (73 cr)

### Named Required Courses (52 credits)

#### Anatomy
- ANAT/BIOC 212 (w) [3] ( ) Molecular Mechanisms of Cell Function
- ANAT 214 (f) [3] ( ) Systemic Human Anatomy
- ANAT 261 (f) [4] ( ) Dynamic Histology
- ANAT 262 (w) [3] ( ) Molecular and Cell Biology
- ANAT 432 (f-w/s) [9]( ) Honours Research Project

#### Chemistry (f/w/s)

#### Biology
- BIOL 200 (f) [3] ( ) Molecular Biology
- BIOL 202 (w/s) [3] ( ) Genetics
- BIOL 301 (f/w) [4] ( ) Cell and Molecular Laboratory

#### Physiology
- PHGY 209 (f) [3] ( ) Mammalian Physiology I
- PHGY 210 (w) [3] ( ) Mammalian Physiology II

#### Statistics (f/w/s)
- MATH 203 [3] ( ) Statistics or
- PSYC 204 [3] ( ) Psych Statistics or
- BIOL 373 [3] ( ) Biometry or
- CEGEP STAT ( )

#### Immunology
- MIMM 214 (w) [3] ( ) Introductory Immunology: Elements of Immunity

### Complementary Required Courses (21 credits):

- **Advanced Anatomy Courses (AAC) (18 cr)**
  - ANAT 315 (f) [4] ( ) Anatomy/Limbs & Back
  - ANAT 321 (f) [3] ( ) Circuitry of Human Brain (excluded to students who have taken ANAT 323)
  - ANAT 323 (f) [3] ( ) Neuroanatomy (excluded to students who have taken ANAT 321)
  - ANAT 322 (w) [3] ( ) Neuroendocrinology
  - ANAT 365 (f) [3] ( ) Cellular Trafficking
  - ANAT 381 (f) [3] ( ) Basis of Embryology
  - ANAT 416 (w) [3] ( ) Development, Disease and Regeneration
  - ANAT 458 (w) [3] ( ) Membranes and Cell Signaling
  - ANAT 541 (w) [3] ( ) Cell and Molecular Biology of Aging
  - ANAT 542 (w) [3] ( ) Transmission Electron Microscopy
  - ANAT 565 (w) [3] ( ) Diseases -Membrane Trafficking
  - NEUR 310 (w) [3] ( ) Cellular Neurobiology

- **Biologically Oriented Courses (BOC) (3 cr):**

90 CREDITS TOTAL (U1-U3) --- 120 FOR STUDENTS STARTING IN U0/ 30 from CEGEP

Electives outside of Arts & Science: [Link](http://www.mcgill.ca/science/sousa/continuing_students/bsc/outside/)
Suggested Electives: [Link](http://www.mcgill.ca/science/sousa/new_students/u0/bsc_freshman/approved/)

MACSS: [Link](http://macss.sus.mcgill.ca/)

This document is to be used as a guideline – it is not an official document – you must ensure that you have the proper credit & course requirements to successfully complete your program.