

ANATOMY & CELL BIOLOGY: **MAJOR PROGRAM (67 cr)**

Named Required Courses (43 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

Chemistry (f/w/s)

CHEM 212	[4] () / CEGEP ORG I. () Organic Chemistry I
CHEM 222	[4] () / CEGEP ORG I. () Organic Chemistry II

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
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Complementary Required Courses (24 credits):

******6 credits of which must be completed at the 400 level or above (Incoming Fall 2009)******

- **Advanced Anatomy Courses (AAC) (12 cr)**

ANAT 321 (f)	[3] () Circuitry of Human Brain (Neuroanatomy)
ANAT 322 (w)	[3] () Neuroendocrinology
ANAT 365 (f)	[3] () Cellular Trafficking (Secretory)
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] () Advanced Topics in Membrane Trafficking
NEUR 310 (w)	[3] () Cellular Neurobiology

- **Biologically Oriented Courses (BOC) (12 cr):**

<http://www.mcgill.ca/study/faculties/science/undergraduate/programs/bachelor-science-bsc-major-anatomy-and-cell-biology>
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90 CREDITS TOTAL (U1-U3) --- 120 FOR STUDENTS STARTING IN U0/ 30 from CEGEP

Electives outside of Arts & Science: http://www.mcgill.ca/science/sousa/continuing_students/bsc/outside/

Suggested Electives: http://www.mcgill.ca/science/sousa/new_students/u0/bsc_freshman/approved/

MACSS: <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.