

# **ANATOMY & CELL BIOLOGY**

## **LIBERAL PROGRAM (47- 48 cr)**

Name: \_\_\_\_\_

ID#: \_\_\_\_\_ Year \_\_\_\_\_

Date: \_\_\_\_\_

*Student must also complete a Science Minor program, an Arts Minor or Major Concentration available for Science students, or a Core Science component in a second area.*

### **Required Courses (32 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            |

Comments:

#### **CHEMISTRY (F/W/S)**

- |          |         |                                    |
|----------|---------|------------------------------------|
| CHEM 212 | [4] ( ) | CEGEP ORG I. / Organic Chemistry I |
|----------|---------|------------------------------------|

#### **BIOLOGY**

- |              |         |                   |
|--------------|---------|-------------------|
| BIOL 200 (f) | [3] ( ) | Molecular Biology |
| BIOL 202 (w) | [3] ( ) | Genetics          |

#### **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 |
| CEGEP STATS | ( )     |                     |

### **Complementary Courses (15 - 16 credits):**

#### **Advanced Anatomy Courses (AAC) (9 cr):**

- |              |         |                                       |
|--------------|---------|---------------------------------------|
| ANAT 314 (w) | [3] ( ) | Human Musculoskeletal Anatomy         |
| ANAT 321 (f) | [3] ( ) | Circuitry of Human Brain              |
| ANAT 322 (w) | [3] ( ) | Neuroendocrinology                    |
| ANAT 365 (f) | [3] ( ) | Cellular Trafficking                  |
| ANAT 381 (f) | [3] ( ) | Experimental Embryology               |
| ANAT 416 (w) | [3] ( ) | Development, Disease and Regeneration |
| ANAT 458 (w) | [3] ( ) | Membranes and Cellular Signaling      |
| ANAT 542 (w) | [3] ( ) | Transmission Electron Microscopy      |
| NEUR 310 (w) | [3] ( ) | Cellular Neurobiology                 |

#### **Biologically Oriented Courses (BOC) (6 - 7 credits):**

- |                |         |                      |              |         |                   |
|----------------|---------|----------------------|--------------|---------|-------------------|
| ANAT 321 (f)   | [3] ( ) | Circuitry            | BIOL 314 (f) | [3] ( ) | Oncogenes         |
| ANAT 322 (w)   | [3] ( ) | Neuroendo            | EXMD 504 (f) | [3] ( ) | Biology of Cancer |
| ANAT 365 (f)   | [3] ( ) | Cellular             | MIMM 314 (w) | [3] ( ) | Immunology        |
| ANAT 381 (f)   | [3] ( ) | Embryology           | NEUR 310 (w) | [3] ( ) | CellNeurobiol     |
| BIOL 300 (f)   | [3] ( ) | Mol Biol of Gene     | PATH 300 (w) | [3] ( ) | Human Disease     |
| BIOL 301 (f/w) | [4] ( ) | Cell/Mol Lab         | PHAR 300 (f) | [3] ( ) | Drug Action       |
| BIOL 303 (w)   | [3] ( ) | Develop Biol         | PHAR 301 (w) | [3] ( ) | Drugs/Disease     |
| BIOL 306 (f)   | [3] ( ) | Neurobiol/ Behaviour |              |         |                   |

U1		U2		U3	
Fall	Winter	Fall	Winter	Fall	Winter

Summer

BSc Degree = 120 credits total / 90 credits for U1 students from CEGEP: [www.mcgill.ca/study/faculties/science/undergraduate/ug\\_sci\\_degree\\_reqs](http://www.mcgill.ca/study/faculties/science/undergraduate/ug_sci_degree_reqs)

Restrictions on courses outside of Arts & Science: [www.mcgill.ca/science/student/continuingstudents/bsc/outside](http://www.mcgill.ca/science/student/continuingstudents/bsc/outside)

Suggested electives: [www.mcgill.ca/science/student/newstudents/u0/bscfreshman/suggested-elective-courses](http://www.mcgill.ca/science/student/newstudents/u0/bscfreshman/suggested-elective-courses)

MACSS (students' society): <https://macssmcgill.com/>

*This document is to be used only as a guideline. You must ensure that you have the proper credit & course requirements to successfully complete your program and degree! Review all information carefully and meet with your program advisor and Science advisor at SOUSA once a year.*