

Bachelor of Science – General Science 2016/17

Name: _____

Student #: _____ Admission Year: _____

| YEAR ONE – FALL | | |
|--|---|--|
| BIOL 1202 ^{FW} | Introduction to Cell Biology | |
| CHEM 1201 ^{FW} | General Chemistry I – Structure and Bonding | |
| MATH 1200 ^{FW} | Calculus for Scientists I | |
| GNEDE Foundation Cluster 1 ^{FW} | | |
| GNEDE Foundation Cluster 2 or 3 ^{FW} | | |
| YEAR ONE - WINTER | | |
| BIOL 1204 ^{FW} | The Evolution of Eukaryotes | |
| PHYS 1201 ^{FW} | Classical Physics I | |
| GEOG 1101 ^{FW} or GEOL 1101 ^{FW} | The Physical Environment or Physical Geology | |
| GNEDE Foundation Cluster 2 or 3 ^{FW} | | |
| GNEDE Foundation Cluster 4 ^{FW} | | |
| YEAR TWO - FALL | | |
| COMP 1001 ^{FW} | Introduction to Computer-Based Problem Solving for the Sciences | |
| GEOG 1103 ^{FW} or GEOL 1103 ^{FW} | The Human Environment or Historical Geology | |
| Approved Science Option | | |
| GNEDE Tier 2 Cluster 1 ^{FW} | | |
| GNEDE Tier 2 Cluster 4 ^{FW} | | |
| YEAR TWO - WINTER | | |
| Approved Science Option | | |
| Approved Science Option | | |
| Approved Science Option | | |
| GNEDE Tier 2 Cluster 2 ^{FW} | | |
| GNEDE Tier 2 Cluster 3 ^{FW} | | |
| YEAR THREE - FALL | | |
| Approved Science Option | | |
| Approved Science Option | | |
| Approved Science Option | | |
| GNEDE Tier 3 | | |
| GNEDE Tier 3 | | |
| YEAR THREE - WINTER | | |
| Approved Science Option | | |
| Approved Science Option | | |
| Approved Science Option | | |
| GNEDE Tier 3 | | |
| GNEDE Tier 3 | | |
| YEAR FOUR - FALL | | |
| Approved Science Option* | | |
| Approved Science Option* | | |
| Approved Science Option* | | |
| Elective | | |
| Elective | | |
| YEAR FOUR - WINTER | | |
| Approved Science Option * | | |
| Approved Science Option* | | |
| Approved Science Option* | | |
| Elective | | |
| Elective | | |

General Education: GNEDE requirements are designed to give you a well-rounded knowledge base and are organized into 4 thematic clusters. Each Cluster has 3 levels; tier 1 (foundation), tier 2 and tier 3.

Cluster 1: Numeracy & Scientific Literacy
Cluster 2: Values, beliefs & Identity
Cluster 3: Community & Society
Cluster 4: Communication

Students must take a foundation level and tier 2 course from each of the four clusters and four tier 3 GNEDEs from at least two Clusters.

Visit mtroyal.ca/gened/courses for more information and a list of GNEDE courses.

Junior courses: are courses at the 1000 level. Students are allowed a maximum of 16 junior courses for graduation purposes.

Electives: an elective is any 3 credit course. It is advised that students in this major select senior level electives wherever possible to avoid exceeding the 16 junior course limit.

Approved Science Options: an extensive listing of courses offered as ASO (Approved Science Options) is on the second page of this document. When planning to fulfill all of the 16 ASO for graduation please note that your last year of ASO should be carefully planned accounting for the prerequisites that may be required for the six 3000 or higher level courses required to graduate. Please see your Science Advisor for more information on this requirement.

***indicates course should be at the 3000 level or higher**

Prerequisites & Course descriptions: can be found in the Academic Calendar or by visiting: mtroyal.ca/ProgramsCourses/CourseListings

“F” Indicates that the course is offered in Fall semester only.

“W” Indicates that the course is offered in Winter semester only.

“FW” Indicates that the course is offered in both Fall and Winter semester.

“S” – indicates Spring term. Students should check the Spring course listings in March when the schedule of classes is released to determine what offerings *may be* available for Spring. (Spring term is 6.5 weeks in duration and is considered an optional term)