The BSc General Degree consists of 120 credits. At least 72 must be taken in courses offered by the Faculty of Science. At least 18 must be taken in courses offered by the Faculty of Arts. A maximum of 18 in courses offered by faculties other than Science and Arts can be taken. If an outside minor is selected, then a maximum of 30 in courses not offered by the faculties of Science and Arts is permitted.

### Symbols
- ★: Credits
- (): Equivalent courses: credit can only be obtained in ONE of those courses
- †: That level or higher. For example: STAT 200* means any STAT course at the 200, 300 or 400 level
- ‡: See note below

### 24 JUNIOR CORE REQUIREMENT
Note a maximum ★42 at 100 level for degree includes junior core.

<table>
<thead>
<tr>
<th>★6 ENGLISH (max *3 WRS)</th>
<th>★6 PHYSICAL SCIENCES</th>
<th>★6 MATHEMATICAL SCIENCES</th>
<th>★6 LABORATORY SCIENCES</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 102, 103, 108, 125</td>
<td>CHEM 101, 102, 164</td>
<td>MATH 114 (134, 144, 154), 115 (136, 146, 156), 125 CMPUT 101, 174, 175 STAT 151</td>
<td>BIOL 107, 108 EAS 100, 105 PSYCO 104</td>
</tr>
<tr>
<td>WRS 100, 101, 102, 104</td>
<td>PHYS 114, 124 (144), 126 (146) ASTRO 120, 122(101)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 36 MAJOR REQUIREMENT
with at least ★12 at 300+ choose a major with a minor or Double Major (no minor)

Courses applicable to more than one area such as BIOCH, PALEO and GEOPH are ALL used towards the major or minor but not both.

#### PSYCHOLOGY (limited options with non-science minor)
- ★6 PSYCO 104, 105
- ★6 PSYCO 258, 275, 282
- ★6 PSYCO 223, 239, 241
- ★3 Science PSYCO 4XX
- ★3 Arts PSYCO 4XX
- ★3 Science PSYCO 300+
- ★3 Arts PSYCO 300+
- ★6 Arts/Science PSYCO 200+

#### PHYSICS
- ★6 PHYS 144 (124), 146 (126)
- ★9 PHYS 244, 271 (208), 281
- ★3 PHYS 294 or 295
- ★3 PHYS 310, 362, 372, 381
- ★9 PHYS† 300+
- ★6 PHYS†

#### PHYSICAL SCIENCES (min ★42)
- ★9 CHEM 101, 102, 261 (164)
- ★6 PHYS 144 (124), 146 (126)
- ★3 PHYS 271 (208)
- ★3 CHEM 211, 241, PHYS 294
- ★12 Physical Sciences† 300+
- ★9 Physical Sciences†

Minimum ★12 in each of Chemistry and Physics courses

† Chosen from ASTRO, BIOCH, CHEM, GEOPH, MA PH or PHYS

#### CHEMISTRY
- ★12 CHEM 101, 102, 261(164), 263
- ★3 CHEM 4XX
- ★3 CHEM 211, 241, 282
- ★9 CHEM 300+
- ★9 CHEM or BIOCH

#### EARTH & ATMOSPHERIC SCIENCES
- ★3 EAS 100
- ★3 EAS† 4XX
- ★9 EAS† 300+
- ★21 EAS†

† Can also be GEOPH, PALEO

#### STATISTICS
- ★12 STAT 151, 252, 265, 266
- ★3 STAT 378
- ★3 STAT 4XX
- ★6 STAT 300+
- ★12 STAT 200+

#### COMPUTING SCIENCES
- ★3 CMPUT 174
- ★3 CMPUT 175
- ★6 CMPUT 201, 204, 229, 272, 291
- ★3 CMPUT 4XX
- ★9 CMPUT 300+
- ★12 CMPUT

#### MATHEMATICS
- ★3 MATH 114 (117, 134, 144)
- ★3 MATH 115 (118, 146)
- ★3 MATH 125 (127)
- ★3 MATH 214 (217)
- ★3 MATH 215 (317)
- ★3 MATH 225 (227)
- ★3 MATH 4XX
- ★15 MATH from one of the following combinations:
  - MATH 228, ★9 MATH 300+ and ★3 MATH 200+
  - OR
  - MATH 334, ★6 MATH 200+ and ★6 MATH 300+

#### BIOLOGICAL SCIENCES
- ★3 BIOL 107
- ★3 BIOL 108
- ★3 BIOL 207 or 208
- ★3 Ecology, evolution or diversity
- ★3 Genetics, molecular (or micro-) biology
- ★3 Physiology, cell, developmental biology
- ★18 BIOS 200, 300 and 400 level

Must include:
- ★9 with a laboratory component
  (excludes: BIOL 107, 108 and ★3 BIOL 207 or 208 already completed)
- ★3 at the 400 level and
- ★9 at the 300 level or higher

EED, GMB, PCDB subject areas do not include BIOCH, CELL, MMI, NEURO, PHYSL, PMCOL
### 24 MINOR REQUIREMENT

**Science Minor** Min ★24 with at least ★6 at 300+

<table>
<thead>
<tr>
<th>PSYCHOLOGY</th>
<th>PHYSICS</th>
<th>PHYSICAL SCIENCES (min *27)</th>
<th>MATHEMATICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 151†</td>
<td>★6 PHYS 144 (124), 146 (126)</td>
<td>★9 CHEM 101, 102, 261 (164)</td>
<td>★3 MATH 114 (117, 134, 144)</td>
</tr>
<tr>
<td>★6 PSYCO 104, 105</td>
<td>★9 PHYS 244, 271 (208), 281</td>
<td>★6 PHYS 144 (124), 146 (126)</td>
<td>★3 MATH 115 (118, 146)</td>
</tr>
<tr>
<td>★3 PSYCO 258, 275, 282</td>
<td>★3 PHYS 294 or 295</td>
<td>★6 Physical Sciences †300+</td>
<td>★3 MATH 125 (127)</td>
</tr>
<tr>
<td>★3 PSYCO 223, 239, 241</td>
<td>★3 PHYS 310, 362, 372, 381</td>
<td>★6 Physical Sciences †</td>
<td>★3 MATH 214 (217)</td>
</tr>
<tr>
<td>★3 Science PSYCO 300+</td>
<td>★3 PHYS† 300+</td>
<td>Minimum ★9 in each of Chemistry and Physics courses</td>
<td>★3 MATH 225 (227)</td>
</tr>
<tr>
<td>★3 Arts PSYCO 300+</td>
<td>† Can also be ASTRO, BIOCH, CHEM, GEOPH, MA PH</td>
<td></td>
<td>★9 MATH from one of the following combinations: MATH 228 and ★6 MATH 300+ OR MATH 215(317), MATH 334 and ★3 MATH 300+</td>
</tr>
<tr>
<td>★6 Arts/Science PSYCO 200+</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

†Required but not part of the *24

<table>
<thead>
<tr>
<th>CHEMISTRY</th>
<th>EARTH &amp; ATMOSPHERIC SCIENCES</th>
<th>STATISTICS</th>
<th>COMPUTING SCIENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>★12 CHEM 101, 102, 261 (164), 263</td>
<td>★3 EAS 100</td>
<td>★12 STAT 151, 252, 265, 266</td>
<td>★3 CMPUT 174</td>
</tr>
<tr>
<td>★3 CHEM 211, 241, 282</td>
<td>★6 EAS† 300+</td>
<td>★3 STAT 378</td>
<td>★3 CMPUT 175</td>
</tr>
<tr>
<td>★6 CHEM 300+</td>
<td>★15 EAS†</td>
<td>★3 STAT 300+</td>
<td>★6 CMPUT 201, 204, 229, 272, 291</td>
</tr>
<tr>
<td>★3 CHEM or BIOCH 200+</td>
<td>† Can also be GEOPH, PALEO</td>
<td>★6 STAT 200+</td>
<td>★6 CMPUT 300+</td>
</tr>
</tbody>
</table>

BIOLOGICAL SCIENCES BIOE= BIOCH, BIOIN, BIOL, BOT, CELL, ENT, GENET, IMIN, MA SC, MMI (except MMI 100 & 133), MICRB, NEURO, PALEO, PHYSL, PMCOL, ZOOL

<table>
<thead>
<tr>
<th>BIOLOGICAL SCIENCES</th>
<th>PHYSICAL SCIENCES</th>
<th>MATHEMATICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>★3 BIOL 107 Must include ★6 at the 300 level or higher</td>
<td>★12 STAT 151, 252, 265, 266</td>
<td>★3 CMPUT 174</td>
</tr>
<tr>
<td>★3 BIOL 108</td>
<td>★3 STAT 378</td>
<td>★3 CMPUT 175</td>
</tr>
<tr>
<td>★3 BIOL 207 or 208</td>
<td>★3 STAT 300+</td>
<td>★6 CMPUT 201, 204, 229, 272, 291</td>
</tr>
<tr>
<td>★3 Ecology, evolution or diversity†</td>
<td>★6 STAT 200+</td>
<td>★6 CMPUT 300+</td>
</tr>
<tr>
<td>★3 Genetics, molecular (or micro-) biology†</td>
<td></td>
<td>★6 CMPUT 401</td>
</tr>
<tr>
<td>★3 Physiology, cell, developmental biology †</td>
<td></td>
<td>★6 CMPUT 201, 204, 229, 272, 291</td>
</tr>
<tr>
<td>★6 BIOS 200+</td>
<td></td>
<td>363, 391, 410, 466</td>
</tr>
</tbody>
</table>

†Chosen from ASTRO, BIOCH, CHEM, GEOPH, MA PH or PHYS

<table>
<thead>
<tr>
<th>BIOINFORMATICS (min *30)</th>
<th>BIOINFORMATICS (min *27)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Paired with BIOS major)</td>
<td>(Paired with CMPUT major)</td>
</tr>
<tr>
<td>★3 BIOL 207 or 221</td>
<td>★9 BIOL 107, 108, 207</td>
</tr>
<tr>
<td>★6 GENET 270, 3XX+</td>
<td>★6 GENET 270, 3XX+</td>
</tr>
<tr>
<td>★6 CMPUT 174(274), 175(275)</td>
<td>★6 BIOL 301, 401</td>
</tr>
<tr>
<td>★9 CMPUT 201, 291, 3XX+</td>
<td>★6 CMPUT 201, 204, 229, 272, 291</td>
</tr>
<tr>
<td>★6 BIOIN 301, 401</td>
<td>301, 366, 391, 410, 466</td>
</tr>
</tbody>
</table>

Courses used in BIOIN minor CANNOT also be used for courses in the major

### Arts Minor Min ★24 with at least ★6 at 300+ including course requirements specified by Faculty of Arts

- Ancient & Medieval History
- Anthropology
- Arts & Design
- Central/East European Studies
- Christian Theology
- Classical Language (Greek & Latin)
- Classical Studies
- Comparative Literature
- Creative Writing
- Drama
- East Asian Studies
- Economics
- English
- Film Studies
- French
- German
- History
- History of Art, Design & Visual Culture
- Human Geography
- International Studies
- Italian Studies
- Latin American Studies
- Linguistics
- Music
- Native Studies
- Philosophy
- Polish
- Political Science
- Religious Studies
- Russian
- Scandinavian
- Science, Technology & Society
- Sociology
- Spanish
- Ukrainian
- Ukrainian Folklore
- Women’s and Gender Studies

### Outside Minor Min ★24 - ★30 including course requirements specified by faculties of Business or Agriculture, Life and Environmental Sciences

### BUSINESS

- ★6 ECON 101, 102
- ★3 ACCTG 311
- ★3 SMO 301
- ★6 FIN 301, MARK 301, OM 352, SMO 321
- ★6 Business Options

### AGRICULTURE

- ★12 AN SC 101(200), AREC 200, PL SC 221
- ★12 AN SC 300+, AREC 300+, ENCS 300+, PL SC 300+, REN R 307, 360, 364, 376, 441, 442, 443, 444, 445, 446, 462, 464, 465, 467, 474, 476, 482(483)

### HUMAN ECOCOMY

- ★3 HECOL 100
- ★9 HECOL 300+
- ★12 HECOL 200+

### NUTRITION

- ★3 NUTR 100,
- ★9 NU FS 305, 356, 373†
- ★12 NUTR 380 (480), NU FS 200, 223, 363, 374, 377, 427, 428

†Requires CHEM 261, 263 as pre-requisites, CHEM 102 pre or co-requisite

### GRADUATION REQUIREMENTS

- GPA of at least 2.0 on the last ★60 credited to the degree
- GPA of at least 2.3 on all courses successfully completed in the Major
- GPA of at least 2.0 in the final Fall/Winter (satisfactory standing)

*Note: Credit will be granted in only one of ANAT 200, REHAB 350, Pither 350, KIN 100 (PEDS 100) in any Science degree