

BSc General Degree Requirements

The BSc General Degree consists of ★120. 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

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

★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 <small>(limited options with non-science minor)</small> | PHYSICS | PHYSICAL SCIENCES (min ★42) | MATHEMATICS |
|---|--|---|--|
| STAT 151 [†] ★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+ [†] Required but not part of the *36 | ★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 [†] [†] Can also be ASTRO, GEOPH, MA PH | ★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 | ★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+ |
| CHEMISTRY | EARTH & ATMOSPHERIC SCIENCES | STATISTICS | COMPUTING SCIENCES |
| ★12 CHEM 101, 102, 261(164), 263 ★3 CHEM 4XX ★3 CHEM 211, 241, 282 ★9 CHEM 300+ ★9 CHEM or BIOCH | ★3 EAS 100 ★3 EAS+ 4XX ★9 EAS+ 300+ ★21 EAS [†] [†] Can also be GEOPH, PALEO | ★12 STAT 151, 252, 265, 266 ★3 STAT 378 ★3 STAT 4XX ★6 STAT 300+ ★12 STAT 200+ | ★3 CMPUT 174 ★3 CMPUT 175 ★6 CMPUT 201, 204, 229, 272, 291 ★3 CMPUT 4XX ★9 CMPUT 300+ ★12 CMPUT |
| BIOLOGICAL SCIENCES BIOS=BIOCH, BIOIN, BIOL, BOT, CELL, ENT, GENET, IMIN, MA SC, MMI (except MMI 100 & 133), MICRB, NEURO, PALEO, PHYSL, PMCOL, ZOOL | | | |
| ★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 | EED, GMB, PCDB subject areas do not include BIOCH, CELL, MMI, NEURO, PHYSL, PMCOL | 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 | |

★24 MINOR REQUIREMENT

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

| PSYCHOLOGY | PHYSICS | PHYSICAL SCIENCES (min *27) | MATHEMATICS |
|--|---|--|---|
| STAT 151+ ★6 PSYCO 104, 105 ★3 PSYCO 258, 275, 282 ★3 PSYCO 223, 239, 241 ★3 Science PSYCO 300+ ★3 Arts PSYCO 300+ ★6 Arts/Science PSYCO 200+ †Required but not part of the *24 | ★6 PHYS 144 (124), 146 (126) ★9 PHYS 244, 271 (208), 281 ★3 PHYS 294 or 295 ★3 PHYS 310, 362, 372, 381 ★3 PHYS+ 300+ † Can also be ASTRO, GEOPH, MA PH | ★9 CHEM 101, 102, 261 (164) ★6 PHYS 144 (124), 146 (126) ★6 Physical Sciences+ 300+ ★6 Physical Sciences+ Minimum ★9 in each of Chemistry and Physics courses †Chosen from ASTRO, BIOCH, CHEM, GEOPH, MA PH or PHYS | ★3 MATH 114 (117, 134, 144) ★3 MATH 115 (118, 146) ★3 MATH 125 (127) ★3 MATH 214 (217) ★3 MATH 225 (227) ★9 MATH from one of the following combinations: MATH 228 and ★6 MATH 300+ OR MATH 215(317), MATH 334 and ★3 MATH 300+ |
| CHEMISTRY | EARTH & ATMOSPHERIC SCIENCES | STATISTICS | COMPUTING SCIENCE |
| ★12 CHEM 101, 102, 261(164), 263 ★3 CHEM 211, 241, 282 ★6 CHEM 300+ ★3 CHEM or BIOCH 200+ | ★3 EAS 100 ★6 EAS+ 300+ ★15 EAS+ † Can also be GEOPH, PALEO | ★12 STAT 151, 252, 265, 266 ★3 STAT 378 ★3 STAT 300+ ★6 STAT 200+ | ★3 CMPUT 174 ★3 CMPUT 175 ★6 CMPUT 201, 204, 229, 272, 291 ★6 CMPUT 300+ ★6 CMPUT |
| BIOLOGICAL SCIENCES | BIOS= BIOCH, BIOIN, BIOL, BOT, CELL, ENT, GENET, IMIN, MA SC, MMI (except MMI 100 & 133), MICRB, NEURO, PALEO, PHYSL, PMCOL, ZOO | BIOINFORMATICS (min *30) | BIOINFORMATICS (min *27) |
| ★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 + ★6 BIOS 200+ | Must include ★6 at the 300 level or higher | (Paired with BIOS major) ★3 BIOL 207 or 221 ★6 GENET 270, 3XX+ ★6 CMPUT 174(274), 175(275) ★9 CMPUT 201, 291, 3XX+ ★6 BIOIN 301, 401 | (Paired with CMPUT major) ★9 BIOL 107, 108, 207 ★6 GENET 270, 3XX+ ★6 BIOIN 301, 401 ★6 CMPUT 201, 204, 229, 272, 291, 301, 366, 391, 410, 466 |
| †EED, GMB, PCDB subject areas do not include BIOCH, CELL, MMI, NEURO, PHYSL, PMCOL | | 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 anEnvironmental Sciences

| BUSINESS | AGRICULTURE | HUMAN ECOLOGY | NUTRITION |
|--|---|--|---|
| ★6 ECON 101, 102 ★3 ACCTG 311 ★3 SMO 301 ★6 FIN 301, MARK 301, OM 352, SMO 321 ★6 Business Options | ★12 AN SC 101(200), AREC 200, PL SC 221 REN R 210 ★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) | ★3 HECOL 100 ★9 HECOL 300+ ★12 HECOL 200+ | ★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) | | <i>*Note: Credit will be granted in only one of ANAT 200, REHAB 350, PTHOR 350, KIN 100 (PEDS 100) in any Science degree</i> | |