

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 PHYS 114, 124 (144), 126 (146) ASTRO 120, 122(101)	MATH 134/144/154 (117, 114 [^]), 136/146/156 (118, 115 [^]), 125 (127) CMPUT 101, 174, 175 STAT 151 (161) [^] No longer offered	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, GEOPH, and MA PH are ALL used towards the major or minor, not both.

PSYCHOLOGY (limited options with non-science minor)	PHYSICS	PHYSICAL SCIENCES (min ★42)	MATHEMATICS
STAT 151(161) [†] ★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+	★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 [†]	★9 CHEM 101, 102, 261 ★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	★3 MATH 134, 144, 154 (117, 114 [^]) ★3 MATH 136, 146, 156 (118, 115 [^]) ★3 MATH 125 (127) ★6 MATH 214 (217), 215 (317) ★3 MATH 216 (students presenting MATH 118, 217 or 317 must substitute this requirement with MATH [†] 200+) ★3 MATH 225 (227) ★3 MATH [†] 4XX ★12 MATH from one of the following combinations: a) ★3 MATH 228 and ★9 MATH [†] 300+ OR b) ★3 MATH 334 (336), ★3 MATH [†] 200+ and ★6 MATH [†] 300+ [†] Chosen from MATH or MA PH [^] No longer offered
[†] Required but not part of the *36	[†] Chosen from ASTRO, GEOPH, MA PH, or PHYS	[†] Chosen from ASTRO, BIOCH, CHEM, GEOPH, MA PH or PHYS	
CHEMISTRY	EARTH & ATMOSPHERIC SCIENCES	STATISTICS	COMPUTING SCIENCES
★12 CHEM 101, 102, 261, 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 [†] [†] Chosen from EAS, GEOPH, PALEO	★12 STAT 151 (161), 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, ZOO

★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 (161) [†] ★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+ [†] Chosen from ASTRO, GEOPH, MA PH, or PHYS	★9 CHEM 101, 102, 261 ★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 134, 144, 154 (117, 114 [^]) ★3 MATH 136, 146, 156 (118, 115 [^]) ★3 MATH 125 (127) ★3 MATH 214 (217) ★3 MATH 225 (227) ★9 MATH from one of the following combinations: a) ★3 MATH 215 or MATH 228 and ★6 MATH[†] 300+; OR b) ★3 MATH 317, ★3 MATH[†] 200+ and ★3 MATH[†] 300+ [†] Chosen from MATH or MA PH [^] No longer offered
CHEMISTRY	EARTH & ATMOSPHERIC SCIENCES	STATISTICS	COMPUTING SCIENCE
★12 CHEM 101, 102, 261, 263 ★3 CHEM 211, 241, 282 ★6 CHEM 300+ ★3 CHEM or BIOCH 200+	★3 EAS 100 ★6 EAS [†] 300+ ★15 EAS [†] [†] Chosen from EAS, GEOPH, PALEO	★12 STAT 151 (161), 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	BIOINFORMATICS	BIOINFORMATICS	BIOINFORMATICS
BIOS= BIOCH, BIOIN, BIOL, BOT, CELL, ENT, GENET, IMIN, MA SC, MMI (except MMI 100 & 133), MICRB, NEURO, PALEO, PHYSL, PMCOL, ZOO ★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+ [†] EED, GMB, PCDB subject areas do not include BIOCH, CELL, MMI, NEURO, PHYSL, PMCOL	(Paired with BIOS major) ★3 BIOL 207 or 221 ★3 GENET 270 ★6 CMPUT 174(274), 175(275) ★6 CMPUT 201, 291 ★6 BIOIN 301, 401 [^] [^] Requires GENET 3XX and CMPUT 3XX as pre-requisites; Courses used in BIOIN minor CANNOT also be used for courses in the major	(Paired with CMPUT major) ★9 BIOL 107, 108, 207 ★3 GENET 270 ★6 BIOIN 301, 401 [^] ★6 CMPUT 201, 204, 229, 272, 291, 301, 366, 391, 404, 466	

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
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Outside Minor Min ★24 - ★30 including [course requirements](#) specified by faculties of Business or Agriculture, Life and Environmental 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)		*Note: Credit will be granted in only one of ANAT 200, REHAB 350, PThER 350, KIN 100 (PEDS 100) in any Science degree	