

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 (excludes ENGL 150) WRS 100, 101, 102, 104	CHEM 101, 102 PHYS 114, 124 (144), 126 (146) ASTRO 120, 122(101)	MATH 111, 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, BIOPH, GEOPH, MA PH, or PHYS	†Chosen from ASTRO, BIOCH, BIOPH, 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, 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 (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, BIOPH, 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, BIOPH, 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 Must include 6 at the 300 level or higher 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 Studies Anthropology Arts & Design Central/East European Studies Christian Theology Classical Language (Greek & Latin) Classics 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 SEM 301 6 FIN 301, MARK 301, OM 352, SEM 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	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