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1	Biology Prerequisites 2026-27	
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3		A minimum grade of C is required for all BIOL prerequisites for 2000, 3000 and 4000-level BIOL courses
4	Course Title	Prerequisites
5	BIOL 1211 Molecular and Cell Biology	NS Grade 12 Biology or equivalent
6	BIOL 1212 Organismal and Ecological Biology	NS Grade 12 Biology or equivalent
7	BIOL 1213 Applications in Biology	NS Grade 12 Biology or equivalent
8	BIOL 2307 Genetics	Both BIOL 1201+ 1202, or all three of BIOL 1211, 1212 and 1213
9	BIOL 2321 Cell Biology	Both BIOL 1201+ 1202, or all three of BIOL 1211, 1212 and 1213
10	BIOL 2324 Ecology	Both BIOL 1201+ 1202, or all three of BIOL 1211, 1212 and 1213
11	BIOL 3004 Principles of Physiology	BIOL 2321
12	BIOL 3007 Forensic DNA Typing	BIOL 2307
13	BIOL 3020 Comparative Vertebrate Anatomy	6 credit hours in BIOL at the 2000-level
14	BIOL 3021 Integrative Vertebrate Physiology	BIOL 2321
15	BIOL 3303 Plant Biology	6 credit hours in BIOL at the 2000-level
16	BIOL 3308 Biostatistics	6 credit hours in BIOL at the 2000-level
17	BIOL 3398 Microbiology	6 credit hours in BIOL at the 2000-level
18	BIOL 3402 Population Genetics	BIOL 2307
19	BIOL 3419 Molecular Biology	BIOL 2307
20	BIOL 3423 Evolution	BIOL 2307
21	BIOL 3428 Applied Entomology	6 credit hours in BIOL at the 2000-level
22	BIOL 3434 Communication & Defense	6 credit hours in BIOL at the 2000-level
23	BIOL 4002 Wildlife Forensics	BIOL 2307
24	BIOL 4004 Advanced Biostatistics	BIOL 3308 or PSYC 2020
25	BIOL 4007 Bioinformatics & Genomics	6 credit hours in BIOL at the 3000-level and either CSCI 1226 or CSCI 1227
26	BIOL 4010 Biology of Cancer	6 credit hours in BIOL at the 3000-level
27	BIOL 4030 Synthetic Biology	BIOL 3398
28	BIOL 4100 Osteology	6 credit hours in BIOL at the 3000-level
29	BIOL 4403 Data Science in the Environment	60 credit hours, including one of GEOG 3326, BIOL 3308 or MATH 1216
30	BIOL 4404 Behavioral Ecology	BIOL 2324 and one of BIOL 3308, PSYC 2020 or MATH 1216
31	BIOL 4407 Animal Athletic Performance	BIOL 2321
32	BIOL 4408 Developmental Biology	6 credit hours in BIOL at the 3000-level
33	BIOL 4410 Plant Ecology	BIOL 3303 and BIOL 2324
34	BIOL 4416 Fungal Biology	6 credit hours in BIOL at the 3000-level
35	BIOL 4422 Conservation Biology	BIOL 2324
36	BIOL 4424 Diversity & Ecology of Fishes	6 credit hours in BIOL at the 3000-level
37	BIOL 4430 Ornithology	6 credit hours in BIOL at the 3000-level
38	BIOL 4431 Herpetology	6 credit hours in BIOL at the 3000-level
39	BIOL 4432 Medical & Veterinary Entomology	6 credit hours in BIOL at the 3000-level
40	BIOL 4448 Biology Field Course	BIOL 3308
41	BIOL 4460 Marine Mammal Field Course	BIOL 2324
42	BIOL 4500 Research Thesis	Honours Standing
43	BIOL 4549 Honours Seminar	Honours Standing