

Bachelor of Science, Minor in Biology, Minor in Earth Science
Program Grid

Note: This program grid is provided for guidance only. Degree completion is based on courses completed successfully, and is subject to all applicable requirements and procedures in effect. Students should consult the B.Sc. Degree Advisor to confirm program requirements for their chosen degree.

Course Number	Course Name	Credits	Upper-Level Credits	Notes
English 1	100-level English	3		1
English 2	100-level English	3		1
MATH 121	Calculus I	3		
MATH 122	Calculus II	3		
Non-Science 100-499	Non-Science Elective I	3		2
Non-Science 100-499	Non-Science Elective II	3		2
BIOL 121	Introductory Zoology	4		
BIOL 123	Intro. Cellular & Molecular Biology	4		
CHEM 111, 121 or 140	Chemistry Fundamentals I	4		
CHEM 122, 141 or 142	Chemistry Fundamentals II	4		
BIOL 201	Principles of Biochemistry	3		
BIOL 200, 202, 210, 212, or 223	200-Level Biology Elective I	3		3
BIOL 200, 202, 210, 212, or 223	200-Level Biology Elective II	3		3
CHEM 231	Organic Chemistry I	3		
MATH 211	Statistics I	3		
BIOL 300-499	Upper-Level Biology Elective I	3	3	4
BIOL 300-499	Upper-Level Biology Elective II	3	3	4
BIOL 300-499	Upper-Level Biology Elective III	3	3	4
BIOL 300-499	Upper-Level Biology Elective IV	3	3	4
BIOL 300-499	Upper-Level Biology Elective V	3	3	4
BIOL 300-499	Upper-Level Biology Elective VI	3	3	4
GEOL 111	Discovering Planet Earth	4		
GEOL 112	Understanding Earth's History	4		
GEOL 115	Lab & Field Studies in Earth Science	3		
GEOL 200	Mineralogy and Petrology	3		
GEOL 201	Sedimentology and Stratigraphy	3		
GEOL 202	Earth Structures	3		
GEOL 206	Field Geology and Geol. Mapping	3		
GEOL 300-499	Upper-Level Geology Elective I	3	3	5
GEOL 300-499	Upper-Level Geology Elective II	3	3	5
GEOL 300-499	Upper-Level Geology Elective III	3	3	5
GEOL 300-499	Upper-Level Earth Science Elective I	3	3	6
GEOL 300-499	Upper-Level Earth Science Elective II	3	3	6
GEOL 300-499	Upper-Level Earth Science Elective III	3	3	6
Elective 300-499	Upper-Level Elective I	3	3	7
Elective 300-499	Upper-Level Elective II	3	3	7
Elective 100-499	General Elective I	3		8
Elective 100-499	General Elective II	3		8
Elective 100-499	General Elective III	3		8
Elective 100-499	General Elective IV	3		8
TOTAL:		126	42	

See notes on the next page /...

NOTES:

1. The Degree English Requirement can be met as follows:
 - ENGL 115 and one of ENGL 111, 112, 116, 125, 135 or 225;
 - ENGL 111 and 112;
 - ENGL 125 and 135; or,
 - LBST 111 and 112.

2. Non-Science Electives can be any courses outside of the Science discipline numbered 100-499. The following courses may not be counted to meet this requirement, although they may be counted as general electives:
 - Any course beginning with the following discipline identifiers: AQUA, ASTR, BIOL, CHEM, CSCI, ENGC, ENGE, ENGM, ENGR, FISH, FRST, GEOL, MATH, PHYS, RMOT, QUME and SCIE.
 - Anthropology: ANTH 111, 213, 214, 341B, 342, 343, 344, 350, 351, 352, 361, 401, 430, 449, 460.
 - Geography: GEOG 211, 212, 221, 226, 228, 326, 328, 372, 373, 374, 376, 428.
 - Psychology: PSYC 200, 204, 205, 206, 300A, 300B, 301, 302, 315, 316, 317A, 319, 323, 324, 345A, 365, 400, 445, 490, 491.
 - Physical Education: PHED 201, 210, 220, 302, 400.

3. The 200-Level Biology Elective must be chosen from BIOL 200, 202, 210, 212 or 223.

4. Upper-Level Biology Electives can be any BIOL course numbered 300-499.

5. Upper-Level Geology Electives can be any GEOL course numbered 300-499.

6. Upper-Level Earth Science Electives can be any course chosen from the following lists:
 - GEOL courses numbered 300-499; or,
 - CHEM 301, 302; GEOG 326, 328, 372, 373, 374, 376, 428.

7. Upper-Level Electives can be courses in any discipline numbered 300-499.

8. General Electives can be courses in any discipline numbered 100-499.