

Bachelor of Science, Minor in Earth Science, Minor in Geography
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	4		
MATH 122	Calculus II	4		
Science 100-299	Lower-Level Science Elective	3		2
Non-Science 100-499	Non-Science Elective I	3		3
Non-Science 100-499	Non-Science Elective II	3		3
GEOG 101	Environmental Geography	3		
GEOG 211	Atmospheric Environments	3		
GEOG 212	Earth Environments	3		
GEOG 228	Maps and Mapping	3		
MATH 211	Fundamentals of Statistics I	3		
GEOG 328	Geographic Information Systems	3	3	
GEOG 372, 373, 374 or 376	Upper-Level Geography Option I	3	3	4
GEOG 372, 373, 374 or 376	Upper-Level Geography Option II	3	3	4
GEOG 300-499	Upper-Level Geography Elective I	3	3	5
GEOL 111	Discovering Planet Earth	4		
GEOL 112	Understanding Earth's History	4		
GEOL 115	Lab & Field Studies in Earth Science	3		
GEOL 200-299	200-Level Earth Science Elective I	3		6
GEOL 200-299	200-Level Earth Science Elective II	3		6
GEOL 200-299	200-Level Earth Science Elective III	3		6
GEOL 300-499	Upper-Level Earth Science Elective I	3	3	7
GEOL 300-499	Upper-Level Earth Science Elective II	3	3	7
GEOL 300-499	Upper-Level Earth Science Elective III	3	3	7
GEOL 300-499	Upper-Level Earth Science Elective IV	3	3	7
Elective 300-499	Upper-Level Elective I	3	3	8
Elective 300-499	Upper-Level Elective II	3	3	8
Elective 100-499	General Elective I	3		9
Elective 100-499	General Elective II	3		9
Elective 100-499	General Elective III	3		9
Elective 100-499	General Elective IV	3		9
Elective 100-499	General Elective V	3		9
Elective 100-499	General Elective VI	3		9
Elective 100-499	General Elective VII	3		9
Elective 100-499	General Elective VIII	3		9
Elective 100-499	General Elective IX	3		9
Elective 100-499	General Elective X	3		9
Elective 100-499	General Elective XI	3		9
Elective 100-499	General Elective XII	3		9
TOTAL:		124	30	

See notes on the next page /...

NOTES:

1. The Degree English Requirement can be met as follows:
 - Two of ENGL 115 (or 117), 125 (or 127), 135, 204, or an INTR course that includes a ENGL course exemption; or,
 - LBST 111 and 112.
2. Lower-Level Science Elective can be a course numbered 100-299 in any science discipline, except BIOL and GEOL courses. This course is required to satisfy the Lower-Level Sciences Requirement of the Bachelor of Science degree. Options of science disciplines include:
 - AQUA, ASTR, BIOL, CSCI, ENGC, ENGE, ENGM, ENGR, FISH, FRST, MATH, PHYS, and RMOT.
3. 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, 353, 361, 401, 430, 449, 460.
 - Geography: GEOG 211, 212, 221, 226, 228, 326, 328, 372, 373, 374, 376, 426, 428.
 - Psychology: PSYC 204, 205, 300A, 300B, 301, 302, 305, 315, 316, 318, 319, 323, 324, 345, 365, 400, 415, 419, 445, 490, 491, 498A.
 - Kinesiology: KIN 201, 220, 301, 302, 400, 401.
4. For the Upper-Level Geography Option, two courses must be chosen among GEOG 372, 373, 374 or 376.
5. Upper-Level Geography Electives can be any GEOG course numbered 300-499.
6. The 200-Level Earth Science Electives can be chosen from GEOL 200, 201, 202, or 206.
 - Note: Students should check upper-level course prerequisites to guide selection of the 200-Level Earth Science Electives.
7. Upper-Level Earth Science Electives can be any GEOL course numbered 300-499.
 - Up to 3 credits from the following courses may be counted towards this requirement: CHEM 301, 302; GEOG 326, 328, 372, 373, 374, 376, or 426.
8. Upper-Level Electives can be courses in any discipline numbered 300-499.
9. General Electives can be courses in any discipline numbered 100-499.