

Bachelor of Science: Geology/Geology Track

The proposed changes (124 sh to 120 sh) are limited to changes in Liberal Studies electives and free electives only.

Current Program:

Liberal Studies:	56
As outlined in the Liberal Studies section with the following specifications:	
Mathematics: MATH 121 or 123	
Natural Science: CHEM 111-112 or 113-114	
Liberal Studies Electives:	
MATH 122 or 124, no courses with GEOS prefix	
Major: Geoscience core:	29
Geology Track	23-24
Other requirements: intermediate level foreign language	0-6
Free Electives:	9-16
 Total credits:	 124

Proposed Program:

Liberal Studies	50
As outlined in the Liberal Studies section with the following specifications:	
Mathematics: MATH 121 or 123	
Natural Science: CHEM 111-112 or 113-114	
Liberal Studies elective (4 cr):	
MATH 122 or 124	
Major: Geoscience core:	29
Geology Track	23-24
Other requirements: intermediate level foreign language	0-6
Free Electives:	11-18
 Total credits:	 120

Note:

The current program has a footnote (current footnote 2) that should be eliminated for the new program. This footnote states:

(2) Intermediate-level Foreign Language may be included in Liberal Studies electives.

Current**Bachelor of Science - Geology/Geology Track****Liberal Studies:** As outlined in Liberal Studies section 56

With the following specifications:

Mathematics: MATH 121 or 123**Natural Science:** CHEM 111-112 or 113-114**Liberal Studies Electives:** MATH 122 or 124, no courses
With GEOS prefix**Major:** 29**Geoscience Core**

GEOS 121 Physical Geology	3 sh
GEOS 122 Physical Geology Lab	1 sh
GEOS 131 Historical Geology	3 sh
GEOS 132 Historical Geology Lab	1 sh
GEOS 220 Mineralogy	3 sh
GEOS 320 Igneous and Metamorphic Petrology	3 sh
GEOS 325 Structural Geology	3 sh
GEOS 326 Field Geology	2 sh
GEOS 380 Research Techniques in Geoscience	2 sh
GEOS 411 Sedimentary Petrology	3 sh
GEOS 412 Stratigraphy or GS 327 Geomorphology	3 sh
GEOS 480 Geoscience Seminar	1 sh

Geology Track: 23 -24

GEOS 330 Paleontology	3 sh
GEOS 362 Plate Tectonics	3 sh
PHYS 111 Physics I	3 sh
PHYS 121 Physics II Laboratory	1 sh
PHYS 112 Physics II	3 sh
PHYS 122 Physics II Laboratory	1 sh

Controlled Electives: 9 - 10 sh

Choose three courses from the following:

GEOG 316, MATH 216, GEOS courses 300 or above (1)

Other Requirements: 0 - 6

Foreign Language Intermediate Level (2) (3) 0 - 6 sh

Free Electives 9 - 16**Total Degree Requirements** 124

- (1) Up to 3 sh of a summer field camp, internship or independent study, all of which must be approved by the department, may be applied to controlled electives.
- (2) Intermediate-level foreign language may be included in Liberal Studies electives.
- (3) 6 sh of computer language may substitute for the foreign language requirement: COSC 110 and 310 (recommended), other higher-level COSC courses with department permission in consultation with the Computer Science Department.

Proposed**Bachelor of Science - Geology/Geology Track****Liberal Studies:** As outlined in Liberal Studies section 50

With the following specifications:

Mathematics: MATH 121 or 123**Natural Science:** CHEM 111-112 or 113-114**Liberal Studies Electives:** MATH 122 or 124**Major:** 29**Geoscience Core**

GEOS 121 Physical Geology	3 sh
GEOS 122 Physical Geology Lab	1 sh
GEOS 131 Historical Geology	3 sh
GEOS 132 Historical Geology Lab	1 sh
GEOS 220 Mineralogy	3 sh
GEOS 320 Igneous and Metamorphic Petrology	3 sh
GEOS 325 Structural Geology	3 sh
GEOS 326 Field Geology	2 sh
GEOS 380 Research Techniques in Geoscience	2 sh
GEOS 411 Sedimentary Petrology	3 sh
GEOS 412 Stratigraphy or GS 327 Geomorphology	3 sh
GEOS 480 Geoscience Seminar	1 sh

Geology Track: 23 -24

GEOS 330 Paleontology	3 sh
GEOS 362 Plate Tectonics	3 sh
PHYS 111 Physics I	3 sh
PHYS 121 Physics II Laboratory	1 sh
PHYS 112 Physics II	3 sh
PHYS 122 Physics II Laboratory	1 sh

Controlled Electives: 9 - 10 sh

Choose three courses from the following:

GEOG 316, MATH 216, GEOS courses 300 or above (1)

Other Requirements: 0 - 6

Foreign Language Intermediate Level (2) 0 - 6 sh

Free Electives 11 -18**Total Degree Requirements** 120

- (1) Up to 3 sh of a summer field camp, internship or independent study, all of which must be approved by the department, may be applied to controlled electives.
- (2) 6 sh of computer language may substitute for the foreign language requirement: COSC 110 and 310 (recommended), other higher-level COSC courses with department permission in consultation with the Computer Science Department.