BACHELOR OF SCIENCE
GEOLOGICAL SCIENCES
ENVIRONMENTAL GEOLOGY CONCENTRATION

GENERAL EDUCATION CORE REQUIREMENTS

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<th>SPC 101 (Public Speaking)</th>
<th>SMS ____ (Health)</th>
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Distribution Sequences (18-20 credits)

+ Lab Science Sequence I 4
+ Lab Science Sequence II 4
HST 101 World History I 3
HST 102 World History II 3

Distribution Electives (15 credits)

Among the distribution electives, the student must earn at least 3 but no more than 9 additional semester hours in each of the three divisions:

Humanities (Division I)

Science/Mathematics (Division II)

Social Sciences (Division III)

(Note: Courses allowable as distribution electives are marked DI, DII, or DIII in the College Catalog.)

COURSES IN MAJOR (51-52 credits total)

Major Core Courses (31 credits)

- GLS 100 Physical Geology 4
- GLS 201 Historical Geology 4
- GLS 210 Geomorphology 4
- GLS 221 Mineralogy 4
- GLS 322 Petrology 4
- GLS 334 Sedimentation & Stratigraphy 4
- GLS 341 Structural Geology & Tectonics 4
- GLS 353 Geochemistry 3

Major Concentration Courses (11-12 credits)

Choose three courses from:

- GLS 214 Coastal Geology 4
- GLS 356 Hydrology 4
- GLS 357 Environmental Geology 3
- GLS 380 Applied Environmental Geophysics 4

Major Capstone Courses (9 credits)

✝ GLS 470 Field Geology
✝ GLS 485 Earth Scienc Study Field
GLS 500 Senior Res in Geology 3

SUPPORT COURSES (12-16 credits total)

Choose two courses from the following list:

- MAT 110 Precalculus 3
- MAT 220 Calculus I 4
- MAT 221 Calculus II 4
- MAT 247 Statistics 3

#And choose two courses from BIO, CHE, PHS, MAT, or ‡GPH:

MINOR/FREE ELECTIVES (4 credits minimum)

May be necessary to take additional credits to attain the minimum 120 credits required for graduation.

Note: If a course is used to satisfy two or more requirements, (for example, a support course and a distribution elective), the credits are counted in only one place.

Using a course to satisfy more than one requirement does not reduce the total credits required for graduation.

+ Science sequence must be chosen from the following list: BIO 121/122, BIO 131/131, CHE 120/121, CHE 130/131. CHE 130/212, PHS 101A/102A, PHS 211A/212A, PHS 221/222.

✝ 6 credits must be earned in any combination of GLS 470/485.

‡ Choose from: GPH 340, 343, or 446.

Exceptions in the timing of courses will be made for transfer students.

Total minimum credits for graduation: 120

Effective: 9/10

Salem State College