

GEOLOGY: Bachelor of Science

(124 cr)

Keene State College

2007-2008 Catalog

INTEGRATIVE STUDIES PROGRAM REQUIREMENTS (44 cr)

Note: Students must complete the **Thinking & Writing** requirement within their first two semesters and the **Quantitative Literacy** requirement within their first three semesters.

Foundations

ITW: Thinking & Writing _____
IQL: Quantitative Literacy _____

Perspectives

NOTE: Students may take only **one** course in any specific discipline within the **PERSPECTIVES** area. Disciplines are shown in **BOLD**, such as IAART.

IA: Arts – IAART, IAMU, IATAD

1 course: _____

IH: Humanities - IHCOMM, IHENG, IHFILM, IHFR, IHGER, IHHIST, IHJRN, IHML, IHPHIL, IHSP

2 courses: _____ _____

IA/IH: 1 additional course in either IA or IH

1 course: _____

IN: Natural Sciences – INASTR, INBIO, INCHEM, INGEOL, INMET, INPHYS

2 courses: _____ _____

IS: Social Sciences – ISANTH, ISCJS, ISECON, ISGEOG, ISPOSC, ISPSYC, ISSOC, ISSOSC

2 courses: _____ _____

Interdisciplinary

II: Any course beginning with II

1 course: _____

NOTE: Courses fulfilling **PERSPECTIVES** and **INTERDISCIPLINARY** requirements may be at the 100-400 level. All students must complete a minimum of **24** credits at the 100-200 level and a minimum of **8** credits at the 300-400 level to complete the **Integrative Studies Program (ISP)**.

MAJOR REQUIREMENTS (64 cr)

- | | |
|---|--|
| <input type="checkbox"/> INGEOL 151 Physical Geology* | <input type="checkbox"/> GEOL 305 Paleontology |
| <input type="checkbox"/> GEOL 152 Evolution of the Earth | <input type="checkbox"/> GEOL 306 Sedimentation & Stratigraphy |
| <input type="checkbox"/> GEOL 301 Mineralogy | <input type="checkbox"/> GEOL 403 Structural Geology |
| <input type="checkbox"/> GEOL 302 Igneous & Metamorphic Petrology | |

Choose a minimum of (3) additional 300/400 level courses from the following to bring GEOL credits to 40:

- | | |
|--|--|
| <input type="checkbox"/> GEOL 309 Geomorphology | <input type="checkbox"/> GEOL 460 Hydrogeology |
| <input type="checkbox"/> GEOL 310 Glacial Geology | <input type="checkbox"/> GEOL 490 Advanced Special Topics (1-4 cr) |
| <input type="checkbox"/> GEOL 315 Environmental Geology | <input type="checkbox"/> GEOL 498 Independent Study (1-4 cr) |
| <input type="checkbox"/> GEOL 412 Environmental Geochemistry | |

Allied Discipline Requirements (24 cr):

- | | |
|---|---|
| <input type="checkbox"/> INCHEM 111 General Chemistry I * | <input type="checkbox"/> INPHYS 141 College Physics I* ~or~ INPHYS 241 Univ. Physics I* |
| <input type="checkbox"/> CHEM 112 General Chemistry II | <input type="checkbox"/> PHYS 142 College Physics II ~or~ PHYS 242 Univ. Physics II |
| <input type="checkbox"/> MATH 151 Calculus I ** | <input type="checkbox"/> MATH 141 Introductory Statistics** ~or~ MATH 152 Calculus II |

***NOTE:** Courses may be used to satisfy the Integrative Studies requirements; credits only count once.

****NOTE:** MATH 141 or MATH 151 will meet the IQL requirement.

Students are not required, but are strongly encouraged, to take one of the following Geography courses: GEOG 324, 325, 326 or 327; the pre-requisite for these courses is ISGEOG 204 which can be used to fulfill an ISP Social Science Perspectives course requirement. Credit can only be counted once.

4-year Student Schedule BS

<p>1st year – Fall</p> <p>INGEOL 151 Physical Geology (4 cr) INCHEM 111 General Chemistry I (4 cr) ITW101 (4 cr) Additional ISP course (4 cr) Total 16 cr</p>	<p>1st year - Spring</p> <p>GEOL 152 Evolution of the Earth (4 cr) CHEM 122 General Chemistry II (4 cr) MATH 130 (4 cr) (If indicated by testing) Otherwise an additional ISP or elective Additional ISP course (4 cr) Total 16 cr</p>
<p>2nd year – Fall</p> <p>MATH 151 Calculus I (4 cr) GEOL core or GEOL elective (4 cr) INPHYS 141 or 241 (4 cr) ISP course (4 cr) Total 16 cr</p>	<p>2nd year - Spring</p> <p>MATH 152 or MATH 141 GEOL core or GEOL elective (4 cr) INPHYS 142 or 242 (4 cr) ISP course (4 cr) Total 16 cr</p>
<p>3rd year – Fall</p> <p>GEOL core or GEOL elective (4 cr) GEOL elective (4 cr) ISP course (4 cr) elective Total 16 cr</p>	<p>3rd year - Spring</p> <p>GEOL core or GEOL elective (4 cr) GEOL core (4 cr) Elective (4 cr) ISP course (4 cr) Total 16 cr</p>
<p>4th year - Fall</p> <p>GEOL core or GEOL elective (4 cr) ISP course (4 cr) Elective (4 cr) Elective (4 cr) Total 16 cr</p>	<p>4th year - Spring</p> <p>GEOL core or GEOL elective (4 cr) Elective (4 cr) Elective (4 cr) Total 12 cr</p>

Total = 124 credits