KEENE STATE COLLEGE
BACHELOR OF SCIENCE: GEOLOGY

NAME:_____ Major:_____ DATE:_____

FRESHMAN		*SOPHOMORE*		*JUNIOR*		*SENIOR*	
MAJOR **INGEOL-151** **Physical Geology** 4 credits	**MAJOR** **GEOL-252** **Evolution of the Earth** 4 credits	**MAJOR** **GEOL core or GEOL elective** 4 credits	**MAJOR** **GEOL core or GEOL elective** 4 credits	**MAJOR** **GEOL core or GEOL elective** 4 credits	**MAJOR** **GEOL core or GEOL elective** 4 credits	**MAJOR** **GEOL core or GEOL elective** 4 credits	**MAJOR** **GEOL core or GEOL elective** 4 credits
MAJOR **INCHEM 111** **General Chemistry I** 4 credits	**MAJOR** **CHEM 112** **General Chemistry II** 4 credits	**MAJOR** **MATH 151** **Calculus 1** 4 credits	**MAJOR** **GEOL core or GEOL elective** 4 credits	**MAJOR** **GEOL core or GEOL elective** 4 credits	**MAJOR** **GEOL core or GEOL elective** 4 credits	**MAJOR** **GEOL core or GEOL elective** 4 credits	**MAJOR** **GEOL core or GEOL elective** 4 credits
ISP: ITW -101 **OR** **MAJOR** **MATH 141** **Statistics** *(IQL required alternative)* 4 credits	***ISP: ITW -101*** **OR** **MAJOR** **MATH 141** **Statistics** *(IQL required alternative)* 4 credits	*ISP* 4 credits	Elective 4 credits	**MAJOR** **INPHYS 141** **4 credits**	**MAJOR** **INPHYS 142** **4 credits**	**ISP 300/400 Level** 4 credits	**Elective** 4 credits
ISP 100 Level 4 credits	*ISP 100 Level* 4 credits	*ISP* 4 credits	*ISP* 4 credits	**ISP 300/400 Level** 4 credits	Elective 4 credits	Elective 4 credits	Elective 4 credits
16 CREDITS	**16 CREDITS**	**16 CREDITS**	***16 CREDITS***	***16 CREDITS***	***16 CREDITS***	***12 -16CREDITS***	***12 - CREDITS***

Courses scheduled for the Sophomore, Junior and Senior years may be switched depending on departmental offerings.
DEGREE REQUIREMENTS TOTAL = 120 credits

Core GEOL Courses = *28 credits*

INGEOL 151 Physical Geology
GEOL 252 Evolution of the Earth
GEOL 301 Mineralogy
GEOL 302 Igneous and Metamorphic Petrology
GEOL 305 Paleontology
GEOL 306 Sedimentation and Stratigraphy
GEOL 403 Structural Geology

Upper-Level GEOL Electives = *12 credits*

GEOL 309 Geomorphology
GEOL 310 Glacial Geology
GEOL 315 Environmental Geology
GEOL 412 Environmental Geochemistry
GEOL 460 Hydrogeology
GEOL 490 Advanced Special Topics
GEOL 498 Independent Study

Related Science or Math Courses = *24 credits*

INCHEM 111 General Chemistry I
CHEM 112 General Chemistry II
INPHYS 141 College Physics I
PHYS 142 College Physics II
MATH 141 Introductory Statistics
Math 151 Calculus 1

Integrative Studies Program (ISP) = 40 credits

Area 1 – Foundations: ITW & IQL [1 ITW and 1 IQL or IQL alternative]
Area 2 – Arts and Humanities: IA & IH [1IA, 1 IH and 1 IA or IH]
Area 3 – Social and Natural Sciences: IS & IN [1 IS, 1 IN and 1 IS or IN]
Area 4 – Interdisciplinary Study: II [1 II]
Area 5 -one additional course selected from Areas 2, 3, or 4

ALL STUDENTS MUST COMPLETE A MINIMUM OF 8 CREDITS OF INTEGRATIVE STUDIES COURSES AT THE 300-400 LEVEL.

These requirements take effect for students entering in 2012-13. There is no grandfathering clause. Students who enrolled prior to this fall must complete the 44 credit program **or** submit a new Declaration of Major Form changing their catalog year to 2012-13. Students need to complete requirements in five areas:

In meeting the Area 5 requirement, students may complete one course in the Arts, Humanities, Social Sciences, Natural Sciences or Interdisciplinary area. They cannot repeat a discipline from Area 2 or Area 3 in meeting the Area 5 requirement.
For example, if students complete a Theatre and Dance course to meet an IA requirement, they cannot take an IA TAD course to meet the Area 5 requirement. They could, however, complete a TAD course that was being offered as an IITAD as all II courses are offered from an interdisciplinary or multidisciplinary perspective and must meet II program outcomes that are different from IA program outcomes.

Academic Advising Plan
Geology Department
Spring 2014

Required Elements of Plan

1. Describe how information concerning 4-year plan and departmental recommendations for sequencing of courses is distributed to students.

Four-year academic plans will be updated on a regular basis to reflect the Geology Department's current programs and recommendations for the sequencing of courses. This information will be shared with students through our annual fall New Student Orientation sessions, the Geology Department website, the GEODES Blackboard website, the Academic Advising website, and one-on-one faculty/student advising conferences.

2. Intended majors: plan for

- initial and follow-up outreach
- academic planning support
- course registration information (provided in person and/or via e-mail)
- timeline for all steps

At the beginning of each academic year the Geology Department will meet with students during New Student Orientation. During New Student Orientation, the Geology Department will hold a session with students who might be interested in pursuing a major in Geology or Earth and Space Science to introduce them to the faculty members in the department and ensure that these students are enrolled in the correct courses for the fall semester and have students sign Declaration of Major forms. Afterwards, the Chair of the Geology Department will, using the forms, assign each new student to a full-time Geology faculty advisor; the Department will be responsible for sending the fully completed Declaration of Major forms to the Elliott Center. The assigned advisor will be responsible for meeting, at least once a semester, one-on-one with the student to provide information about available departmental programs and helping the student begin to explore academic and career interests.

3. Declared majors: plan for
- initial and follow-up outreach
- academic planning support
- course registration information (provided in person and/or via e-mail)
- timeline for all steps

Each student who declares a major in Geology or Earth and Space Science will choose or be assigned a faculty advisor who will monitor the student's progress through the major and meet with the student at least once per semester prior to course registration. The advisor will also work closely with the student to consider the student's post-KSC plans, helping the student to develop these plans and to understand how the student's chosen academic program will prepare the student to successfully follow-through on these plans.

Recommended Elements of the Plan

1. Plan for assisting students in understanding their areas of interest and aptitudes

This will mostly be accomplished through one-on-one faculty advising conferences, but will also be supported through career presentations by outside speakers, internship opportunities available to students, and activities sponsored by the Geology Club and Sigma Gamma Epsilon, the Geology honor society.

2. Plan for assisting students in setting their long-term academic goals

This will be addressed through individual advising.

3. Plan for assisting students in participation in internships, co-ops, independent studies, etc.

All faculty members in the department will be proactive in attempting to match students who have particular needs, abilities, or career interests with appropriate opportunities for participation in such activities (including independent studies).

4. Resources to help students better understand the major, associated professions, and employment information

Besides individual advising, the Geology Department encourages students to participate in meetings of relevant professional organizations in their area of interest within Geology.

5. Plans for Study Abroad participation (identification of preferred semester for students to participate in study abroad program)

Students will be encouraged to begin a discussion of interest in Study Abroad with their advisors early on. Each student will have specific needs and their advisors will help them manage the requirements of the Geology programs (B.S. Geology or B.A. Earth and Space Science) and their study abroad goals.