

KEENE STATE COLLEGE  
 BACHELOR OF SCIENCE  
 GEOLOGY

It is the student's responsibility to follow the **official** requirements of their degree, which are found in the Keene State College catalog. This planning sheet is for advising purposes.

Name: \_\_\_\_\_ Student I.D.#: \_\_\_\_\_  
 Institution(s) \_\_\_\_\_  
 Attended: \_\_\_\_\_ Credits: \_\_\_\_\_  
 \_\_\_\_\_ Update: \_\_\_\_\_ =

I. **GENERAL EDUCATION** minimum 42 credits

A. **English Language Competence:** ENG 101 is required of all students.

ENG 101: \_\_\_\_\_

B. **Arts & Humanities:** A minimum of five courses totaling at least 15 credits as follows:

One course in Literature \_\_\_\_\_

Any English course other than Eng 101, 202, 203, 204, 205, 301, 302, 303, 310, 311, 382.

FR 340 or FR, GER or SP 498 (when topics focus on French, German or Spanish literature).

HIST \_\_\_\_\_ ART, COMM, FILM, MU or TAD \_\_\_\_\_

One Two course from Arts & Humanities disciplines: AMST, ART, COMM, FILM, ENG, FR, GER, HIST, IDAH, JRN, ML, MU, PHIL, SP or TAD.

\_\_\_\_\_

C. **Social Sciences:** A minimum of four courses totaling at least 12 credits in **three** or more of the Social Science disciplines: ECON, GEOG, POSC, PSYC, SOC.

\_\_\_\_\_

\_\_\_\_\_

D. **Sciences/Math:** A minimum of four courses totaling at least 12 credits as follows: One course in BIOLOGY. One course in a PHYSICAL SCIENCE (ASTR, CHEM, GEOL, MET, PHYS) Two courses from Sciences/Math disciplines: ASTR, BIO, CHEM, CS, ENST, GEOL, IIDSS, MATH, MET, PHYS.

BIO200/201: Life: Diversity/Lab \_\_\_\_\_ \_4\_ CHEM 121/125 General Chemistry I \_\_\_\_\_ \_4\_

MATH 151: Calculus I \_\_\_\_\_ \_4\_ PHYS 141: College Physics I \_\_\_\_\_ \_4\_

**OR**

PHYS 241: University Physics

**II. MAJOR REQUIREMENTS** 40 credits

GEOL 201: Intro Physical Geology	___	<u>4</u>	GEOL 302: Petrology	___	<u>4</u>
OR			GEOL 303: Structural Geology	___	<u>3</u>
GEOL 100/101: Persp. of Earth & lab	___	<u>3/1</u>	GEOL 305: Paleontology	___	<u>3</u>
GEOL 202: Historical Geology	___	<u>4</u>	GEOL 306: Stratigraphy & Sediment.	___	<u>3</u>
GEOL 301: Mineralogy	___	<u>4</u>			

**Geology Electives:** Four courses (12 credits) at the 300 level or higher. A summer field course is recommended, especially for those planning graduate work. ASTR 307 may be used to satisfy part of this requirement.

GEOL _____	___	<u>3</u>	GEOL _____	___	<u>3</u>
GEOL _____	___	<u>3</u>	GEOL _____	___	<u>3</u>

**Select One of The Following:**

GEOG 323: Cartography & Surveying	___	<u>3</u>	GEOL 206: Oceanography	___	<u>3</u>
GEOG 325: Cartog. & Comp. Mapping	___	<u>3</u>	MET 220: Climatology	___	<u>3</u>
GEOG 326: Geographic Info. Systems	___	<u>3</u>	MET 225: Meteorology	___	<u>3</u>
GEOG 327: Intro to Remote Sensing.	___	<u>3</u>			

**Related Fields:** The following courses are required for a geology major and may also be used to fulfill general education requirements. Credit will count once toward graduation requirements.

BIO 200/201: Life: Diversity/lab	___	<u>4</u>	CHEM 121/125: General Chem 1/lab	___	<u>4</u>
MATH 151: Calculus I	___	<u>4</u>	CHEM 122/126: General Chem II/lab	___	<u>4</u>
PHYS 141: College Physics I	___	<u>4</u>			
PHYS 142: College Physics II	___	<u>4</u>			
<b>OR</b>			<b>Select one of the following</b>		
PHYS 241: University Physics I	___	<u>4</u>	MATH 141: Statistics		
PHYS 242: University Physics II	___	<u>4</u>	MATH 152: Calculus II		
			CS : _____	___	<u>3</u>

**ELECTIVES:**

Pick additional courses of your choice to bring your total number of credits earned to 126.

If you wish to use transferred courses toward major/minor requirements you must use the Course Substitution process. Contact the Academic Advising Center for more information.

**FOR TEACHER CERTIFICATION:**

By completing the teacher education option, students are prepared for certification as earth science teachers in secondary schools. In order to meet state standards, courses selected within the general education requirements should include a U.S. history course, and a geography course.

\* requires a minimum of three hours of field work in the schools or srvice learning,

**Orientation**

ESEC 100: Intro to Teaching \_\_\_ 1

**Learners**

ESEC 150: Development, Exceptionality and Learning I\* \_\_\_ 3

ESEC 250: Development, Exceptionality and Learning II \_\_\_ 3

**Fundamentals**

ESEC 282: Literacy in the Content Areas\* \_\_\_ 3

**Settings**

ESEC320: Ed. Environments/Practices \_\_\_ 3

**Methodology**

ESEC 385: Methods: Secondary \_\_\_ 3

ESEC 386: Methods: Field Experience \_\_\_ 3

**Systems**

ESEC 450: Seminar: Ed. Principles \_\_\_ 3

**Practice**

ESEC 460: Student Teaching \_\_\_ 12

**The following course is highly recommended**

**Pedagogy**

ESEC 387: Creating Soc.Context for Lrng \_\_\_ 3

