

**KEENE STATE COLLEGE  
BACHELOR OF ARTS  
CHEMISTRY**

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 42 credits minimum

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, 410. FR 340 or FR, GER or SP 498 are appropriate when topics focus on French, German or Spanish literature. English 286 and 287 will not satisfy the literature requirement in general education for English majors.

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

Two courses from Arts & Humanities disciplines: AMST, ART, COMM, FILM, ENG, FR, GER, HIST, JRN, ML, MU, PHIL, SP, TAD or an approved interdisciplinary course (designated IDAH).

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 or an approved interdisciplinary course (designated IDSS).

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, MATH, MET, PHYS or an approved interdisciplinary course (designated IDAH).

BIO \_\_\_\_\_ PHYSICAL SCIENCE \_\_\_\_\_

**MAJOR REQUIREMENTS**    57 CREDITS

42 credits

CHEM 121: General Chemistry I	___	_3_	CHEM 251: Quantitative Analysis	___	_3_
CHEM 125: Experimental General Chem I	___	_1_	CHEM 255: Experimental Quan. Analysis	___	_2_
CHEM 122: General Chemistry II	___	_3_	CHEM 331/337: Biochemistry/Lab	___	3/1
CHEM 126: Experimental General Chem. I1	___	_1_	CHEM 341: Physical Chemistry	___	_3_
CHEM 221: Organic Chemistry I	___	_3_	CHEM 345: Experimental Physical Chem. I	___	_2_
CHEM 225: Experimental Organic Chem. I	___	_1_	CHEM 342: Physical Chem II	___	_3_
CHEM 222: Organic Chemistry II	___	_3_	CHEM 346: Experimental Physical Chem II	___	_2_
CHEM 226: Experimental Organic Chem. II	___	_1_	CHEM : _____	___	_3_
			CHEM : _____	___	_4_

**RELATED FIELDS\*\***    15 CREDITS MINIMUM IN MATHEMATICS AND PHYSICS

MATH 141: Intro Statistics	___	_3_	PHYS 141: College Physics I	___	_4_
MATH 151: Calculus I	___	_4_	PHYS 142: College Physics II	___	_4_

(Math 152 is highly recommended)

\*\* May be used to satisfy Science/Math General Education requirements. Credits will count once toward graduation requirements.

III. **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. 1.1/98

**FOR TEACHER CERTIFICATION:**

In order to meet state standards, courses selected within the general education requirements should include a U.S. History course, and a geography course.

**Orientation**

ESEC 100: Introduction 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\_

**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**

Settings

ESEC 320: Educational Environments/  
Practices

\_\_\_ \_3\_

ESEC 387: Creating Social Context for Lrng \_\_\_ \_3\_

