

**KEENE STATE COLLEGE
BACHELOR OF SCIENCE
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, 208, 301, 302, 303, 304, 308, 312.
FR, GER or SP 498 are appropriate when topics focus on French, German or Spanish literature.

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 (WS 201* or an IDAH course).

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 (WS 201* or an IDSS course).

D. **Sciences/Math:** A minimum of four courses totaling at least 12 credits as follows: One course in BIOLOGY. The other requirements are fulfilled by three of the required courses from related fields.

BIO _____ PHYS 141: College Physics I **OR** _____
(200-level recommended) PHYS 241: University Physics I _____

MATH 141: Introductory Statistics _____ MATH 151: Calculus I _____

*WS 201 may be used only once, to fulfill either an Arts & Humanities or Social Sciences General Education requirement.

MAJOR REQUIREMENTS 69 crs.

Chemistry Core: (43 credits)

CHEM 111: General Chemistry I	___ 3	CHEM 341: Physical Chemistry I	___ 3
CHEM 115: General Chemistry I Lab	___ 1	CHEM 345: Physical Chemistry I Lab	___ 2
CHEM 112: General Chemistry II	___ 3	CHEM 342: Physical Chemistry II	___ 3
CHEM 116: General Chemistry II Lab	___ 1	CHEM 346: Physical Chemistry II Lab	___ 2
CHEM 221: Organic Chemistry I	___ 3	CHEM 363: Inorganic Chemistry	___ 3
CHEM 225: Organic Chemistry I Lab	___ 1	CHEM 365: Inorganic Chemistry Lab	___ 1
CHEM 222: Organic Chemistry II	___ 3	CHEM 382: Occupational Health & Safety	___ 3
CHEM 226: Organic Chemistry II Lab	___ 1	CHEM 454: Instrumental Analysis	___ 3
CHEM 251 Quantitative Analysis	___ 3	CHEM 456: Instrumental Analysis Lab	___ 2
CHEM 255: Quantitative Analysis Lab	___ 2		

II. **ELECTIVES within the major:** ___ minimum 7 credits

Students must take at least 7 credits of chemistry at the 300 -evel or higher. Independent study is encouraged to provide an undergraduate research experience. For students interested in an interdisciplinary focus, 3 of the 7 credits may be from an approved list outside chemistry, including Physics 260 Electronics, Biology 405 Molecular Biology, or Geology 412 Geochemistry.

III. ***RELATED FIELDS:** 19 credits

MATH 141: Introductory Statistics*	___ 3	PHYS 141: College Physics IOR *	___ 4
MATH 151: Calculus I*	___ 4	PHYS 241: University Physics I	
MATH 152: Calculus II	___ 4	PHYS 142: College Physics II OR	___ 4
		PHYS 242: University Physics II	

*MATH 141, MATH 151, PHYS 141 (or PHYS 241) are used to satisfy General Education requirements.)

IV. **ELECTIVES:**

Select 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 and Career Advising Center for more information.

6/04/01