

**KEENE STATE COLLEGE
BACHELOR OF ARTS
PHYSICAL SCIENCE
TEACHER CERTIFICATION**

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.

Note: Students selecting this program should be aware that satisfactory completion of all required courses, including courses in science and courses in education, is required to earn the degree.

Name: _____ Student I.D.#: _____

Institution(s) Attended: _____ Credits: _____

Update: _____ =

I. GENERAL EDUCATION 43 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 _____
 One course in literature, which may be any 200 or 300-level English course except 202, 203, 204, 208, 301, 302, 303, 304, 308, 312. French 303 and Spanish 303 may also be used to fulfill this requirement.

U.S. HIST _____ ART, FILM, MU or TAD _____

Two courses from Arts & Humanities disciplines: AMST, ART, COMM, ENG, FILM, 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).

GEOG 204: Physical Geography _____

D. Science/Math:

One Biology course. As prerequisites for major courses, MATH 141 and 151 must also be completed. The Physical Science requirement is satisfied by the major.

BIO _____ PHYSICAL SCIENCE _____

MATH 151: Calculus I _____ 4 _____ MATH 141: Intro Statistics _____ 3 _____

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

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II. MAJOR REQUIREMENTS 78 –79 credits

| | | | | | |
|--------------------------------------|-----|---|----------------------------------|-----|---|
| CHEM 111: General Chemistry I | ___ | 3 | PHYS 141: College Physics I | ___ | 4 |
| CHEM 115: General Chemistry I lab | ___ | 1 | PHYS 142: College Physics II | ___ | 4 |
| CHEM 112: General Chemistry II | ___ | 3 | PHYS 210: History of Science | ___ | 3 |
| CHEM 116: General Chemistry II lab | ___ | 1 | ASTR 307: University Astronomy | ___ | 3 |
| CHEM 220: Fund. Organic Chemistry | ___ | 3 | MET 225: Meteorology | ___ | 3 |
| CHEM 224: Fund Organic Chemistry lab | ___ | 1 | GEOL 201: Intro Physical Geology | ___ | 4 |
| CHEM 251: Quantitative Analysis | ___ | 3 | GEOL 202: Historical Geology | ___ | 4 |
| CHEM 255: Exp. Quantitative Analysis | ___ | 2 | OR | | |
| BIO : Elective_____ | ___ | 3 | GEOL 206: Oceanography | ___ | 3 |

III. TEACHER CERTIFICATION 34 credits

In the education core for teacher preparation in Physical Science (middle-secondary), the following courses are required (34 credits):

| | | | | | |
|--|-----|---|---|-----|----|
| ESEC 100: Intro to Teaching | ___ | 1 | ESEC 320: Education Environments and practices | ___ | 3 |
| *ESEC 150: Development, Exceptionality and Learning I | ___ | 3 | ESEC 385: Methods: Secondary | ___ | 3 |
| ESEC 250: Development, Exceptionality and Learning II | ___ | 3 | ESEC 386: Methods: Field Experience | ___ | 3 |
| *ESEC 282: Literacy in Content Area | ___ | 3 | ESEC 450: Sem: Educational Principles | ___ | 3 |
| | | | ESEC 460: Student Teaching | ___ | 12 |

*Courses designated with an asterisk require a minimum of one to three hours of field work in the schools or service learning.

Upon completion of these major requirements, students are prepared for certification as Physical Science teachers for grades 7-12.

IV. ELECTIVES: Pick additional courses to reach degree requirements of 120 credits.

If you want 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.