

KEENE STATE COLLEGE
BACHELOR OF SCIENCE
MATHEMATICS-PHYSICS

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

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.

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. One course may be 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. CS 140 and PHYS 241 are required for the major. One additional course from Sciences/Math disciplines: ASTR, BIO, CHEM, CS, ENST, GEOL, MATH, MET, PHYS or an approved interdisciplinary course (IDSM). (See back for other General Education eligible major requirements).

BIO _____ PHYS 241: University Physics I _____ 4_

CS 140: Computer Programming _____ 3_ _____

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

MATH/PHYSICS REQUIREMENTS 39 CREDITS

MATH 151: Calculus I	___	<u>4</u>	PHYS 242: University Physics II	___	<u>4</u>
MATH 152: Calculus II	___	<u>4</u>	PHYS 245: University Physics III	___	<u>4</u>
MATH 251: Multivariate Calculus	___	<u>4</u>	PHYS 260: Electronics	___	<u>4</u>
MATH 231: Linear Algebra	___	<u>3</u>	Physics Electives (300 Level or higher)		
MATH 361: Differential Equations	___	<u>3</u>	PHYS _____	___	<u>3</u>
MATH 468: Intro Applied Mathematics	___	<u>3</u>	PHYS _____	___	<u>3</u>

***REQUIRED SEQUENCE:** 8 Credits

One of the following 8 credit required sequences must be completed in the program and may be used to satisfy General Education requirements: BIO 151/152-153/154 or CHEM 111/115-112/116 or GEOL 201-202. Credits will count once toward graduation requirements.

_____ ___ 4 _____ ___ 4

ELECTIVES:

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

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

10/2/02