

KEENE STATE COLLEGE
BACHELOR OF ARTS
MATHEMATICS
PURE MATH OPTION

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: _____ =

1. **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 _____
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 additional 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. PHYS 241 and CS 140 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).

BIO _____ PHYS 241: UNIVERSITY PHYSICS I _____

CS 140: COMPUTER PROG. I _____

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

II. **MAJOR REQUIREMENTS** 42 credits

MATHEMATICS CORE 17 credits

*MATH 141: Intro Statistics ___ 3
MATH 151: Calculus I ___ 4
MATH 152: Calculus II ___ 4

MATH 225: Intro to Abstract Math ___ 3
MATH 231: Linear Algebra ___ 3

* May be fulfilled by completing PSYC 251

Pure Math Option

MATH 251: Multivariate Calculus ___ 4
MATH 331: Modern Algebra ___ 3
MATH 351: Intermed. Analysis ___ 3

Three Mathematics electives at the 305 level or higher

Two Mathematics electives at the 230 level or higher:

III. **ELECTIVES:** Select courses to reach a total of 120 credits for the degree.

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**

6/27/02