

KEENE STATE COLLEGE
BACHELOR OF ARTS
MATHEMATICS
PURE MATH OPTION

2000-2001 Catalog

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 _____

Any English course other than Eng 101, 202, 203, 204, 205, 301, 302, 303, 310, 311, 382.
FR 340 or FR, GER or SP 498 are appropriate when topics focus on French, German or Spanish literature.

HIST _____ ART, COMM, 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 (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, PSYCH, 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. PHYS 241 and CS 140 are required for the major and may be used to fulfill Gen. Ed. Requirements. One additional course from Sciences/Math disciplines: ASTR, BIO, CHEM, CS, ENST, GEOL, MATH, MET, PHYS or an approved interdisciplinary course (designated IDSM).

BIO _____ PHYS 241: UNIVERSITY PHYSICS I _____

CS 140: COMPUTER PROG. I _____

II. **MAJOR REQUIREMENTS** 41 or 42 credits

MATHEMATICS CORE 27 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 level of 305 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**