

**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 \_\_\_\_\_

Any English course other than Eng. 101, 202, 203, 204, 205, 301, 302, 303, 310, 311, 382, 410. FR 340 or FR, GER, SP 498 are acceptable 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).

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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).

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D. **Sciences/Math**: A minimum of four courses totaling at least 12 credits as follows: One course in BIOLOGY. One course in a PHYSICAL SCIENCE (PHYS 241 is required for the major and maybe used to fulfill Gen. Ed. requirements). CS 140 is 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 \_\_\_\_\_

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**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 332: Linear Algebra               \_\_\_ \_3\_

\* May be fulfilled by completing PSYC 251 or SOC 302.

**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. Come to the Academic Advising Center for more information.