

**KEENE STATE COLLEGE  
BACHELOR OF SCIENCE  
COMPUTER MATHEMATICS**

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, FILM, ENG, FR, GER, HIST, JRN, ML, MU, PHIL, SP or TAD, or one interdisciplinary course (WS 201\* or an IDAH course).

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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, PSYC, SOC or one interdisciplinary course (WS 201\* or an IDSS course ).

\_\_\_\_\_  
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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). Two courses 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 \_\_\_\_\_ 4

(CS courses required for the major may count toward General Education requirements.)

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

II. **MAJOR REQUIREMENTS** 52 credits

MATH 151: Calculus I	___	<u>4</u>	*PHYS 241: Univ. Physics I	___	<u>4</u>
MATH 152: Calculus II	___	<u>4</u>	*CS 140: Computer Programming I	___	<u>3</u>
MATH 251: Multivariate Calculus	___	<u>4</u>	*CS 185: Computer Programming II	___	<u>3</u>
MATH 231: Linear Algebra	___	<u>3</u>	*CS 265: Assembly Language	___	<u>3</u>
MATH 235: Discrete Mathematics	___	<u>3</u>	*CS 280: Data Structures	___	<u>3</u>
MATH 260: Numerical Methods	___	<u>3</u>	*CS 410: Advanced Programming	___	<u>3</u>
MATH 265: Math Modeling	___	<u>3</u>			
MATH 361: Differential Equations	___	<u>3</u>			

\*May apply toward Science/Math general education requirements. Credits count once toward graduation.

**MATH/CS ELECTIVES** 6 credits

In addition to the above core courses, students must select an additional 6 credits from the MATH and/or CS areas at the 300/400 level. At least one course must be in Math.

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III. **ELECTIVES:**

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

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