KEENE STATE COLLEGE
BACHELOR OF SCIENCE
COMPUTER MATHEMATICS

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_____ ___ ___
Any English course other than Eng 101, 202, 203, 204, 208, 301, 302, 303, 304, 308, 312.
FR, GER or SP 498 are acceptable when topics focus on French, German or Spanish literature.

HIST_____ ___ ___ ART, COMM, 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).

_____ ___ ___ ___ _____ ___ ___

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).

_____ ___ ___ _____ ___ ___

_____ ___ ___ _____ ___ ___

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	___	_4_	*PHYS 241: Univ. Physics I	___	_4_
MATH 152: Calculus II	___	_4_	*CS 140: Computer Programming I	___	_3_
MATH 251: Multivariate Calculus	___	_4_	*CS 185: Computer Programming II	___	_3_
MATH 231: Linear Algebra	___	_3_	*CS 265: Assembly Language	___	_3_
MATH 235: Discrete Mathematics	___	_3_	*CS 280: Data Structures	___	_3_
MATH 260: Numerical Methods	___	_3_	*CS 410: Advanced Programming	___	_3_
MATH 265: Math Modeling	___	_3_			
MATH 361: Differential Equations	___	_3_			

*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.

_____	___	___	_____	___	___

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.

6/04/01