

**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 _____

Any English course other than Eng 101, 202, 203, 204, 205, 301, 302, 303, 310, 311, 382, 410.

FR 340 or 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, IDAH, JRN, ML, MU, PHIL, SP or TAD.

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 IDSS.

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** (ASTR, CHEM, GEOL, MET, PHYS). Two courses from Sciences/Math disciplines: ASTR, BIO, CHEM, CS, ENST, GEOL, MATH, MET, PHYS or IDSM.

BIO _____ PHYS 241: University Physics I _____ 4_

*You are encouraged to complete at least one interdisciplinary course.



II. **MAJOR REQUIREMENTS** 52 credits

MATH 151: Calculus I	___	_4_	MATH 361: Differential Equations	___	_3_
MATH 152: Calculus II	___	_4_	*PHYS 241: Univ. Physics I	___	_4_
MATH 251: Multivariate Calculus	___	_4_	*CS 140: Computer Prog I	___	_3_
MATH 260: Numerical Methods	___	_3_	*CS 185: Computer Prog II	___	_3_
MATH 265: Math Modeling	___	_3_	*CS 280: Data Structures	___	_3_
MATH 270: Discrete Mathematics	___	_3_	*CS 410: Advanced Prog	___	_3_
MATH 332: Linear Algebra	___	_3_	*CS 265: Assembly Language	___	_3_

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

MATH/CS ELECTIVES 6 credits

In addition to the above 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 Advising Center for more information.

