

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

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

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, 411, 412, 413, 414. 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, TAD, or IDAH (approved interdisciplinary 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 IDSS (approved interdisciplinary course).

ECON 201: Macroeconomics _____ ECON 202: Microeconomics _____

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.

BIO _____ PHYSICAL SCIENCE _____

CS 140: Computer Programming I _____ 3 **MATH 141: Intro Statistics _____ 3

**Statistics competency may be fulfilled by completing PSYC 251: Psychological Statistics or SOC 302: Statistics for the Behavioral Sciences which will then count toward C: Social Sciences. A science elective will then be taken towards completion of D: Sciences/Math, in place of MATH

II. **MAJOR REQUIREMENTS** 36 (Beyond 12 credits placed in General Education)

CS 160: Microcomputer Applications	___ _3_	CS 280: Data Structures	___ _3_
CS 185: Computer Programming II	___ _3_	CS 300: File Processing	___ _3_
CS 205: Elementary Visual Basic	___ _3_	CS 495: Sem. in Information Systems	___ 3

OR

CS 220: COBOL

OR

CS265: Assembly Language ___ _3_

Three CS 300 level courses not listed above. Two CS 400 level courses not listed above.

CS 3 : _____	___ _3_	CS 4 : _____	___ _3_
CS 3 : _____	___ _3_	CS 4 : _____	___ _3_
CS 3 : _____	___ _3_		

INTERDISCIPLINARY REQUIREMENTS: Select one of the following Two Choices:

Choice 1 (18 credits)

Choice 2

*MATH 120: Intermediate Algebra & Trig.	___ _3_	Completion of one of the following teacher certification majors:
MGT 201: Principles of Management	___ _3_	a.) Early Childhood Development Option
MGT 213; Introduction to Accounting I	___ _3_	b.) Elementary Education Option
<u>One of the following:</u>		c.) Elementary Special Education Option
301: Organ. Theory & Behavior	___ _3_	
MATH 260: Numerical Methods	___ _3_	
MATH 270: Discrete Mathematics	___ _3_	

*Students with a strong mathematical background are advised to take MATH 130 or MATH 151 instead.

And two advanced electives in any one discipline approved by the CS faculty:

_____ : _____ ___ _3_

_____ : _____ ___ _3_

(Name of Faculty)

(Signature)

(Date)

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. 2.12/98

