

COMPUTER SCIENCE
DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

NAME _____

GENERAL REQUIREMENTS

GROUP I - 15 CREDITS/5 COURSES

- A. * ENGLISH 101 3 _____
 * ENGLISH 102 3 _____
 LITERATURE _____ 3 _____
- B. ART, COMMUNICATION/THEATRE ARTS,
 DANCE, MODERN LANGUAGES, MUSIC,
 PHILOSOPHY
 (6 CREDITS IN **TWO** DEPARTMENTS)
- _____ 3 _____
 - 3 _____

GROUP II - 15 CREDITS/5 COURSES

- A. HISTORY 101 3 _____
 HISTORY 102 3 _____
- B. NTHROPOLOGY,ECONOMICS,ENVR, HISTORY,
HUMAN GEOGRAPHY, POLITICAL
 SCIENCE,PSYCHOLOGY,
 SOCIOLOGY/CONFLICTANALYSIS
 (9 CREDITS IN **THREE** DEPARTMENTS)
- _____ 3 _____
 - 3 _____
 - 3 _____

GROUP III - 14-16 CREDITS/4 COURSES

- A. BIOLOGY, CHEMISTRY, GEOLOGY or
PHYSICAL GEOGRAPHY, PHYSICS
 (TWO *DIFFERENT* LABORATORY SCIENCES)
- _____ 4 _____
 - 4 _____
- B. 3 credits FROM III-A AND/OR MATH/COSC
 (Need not be lab)
 (SATISFIED BY MAJOR) _____ 3-4 X
- C. 3 credits FROM MATH
 (SATISFIED BY MAJOR) _____ 3-4 X

GROUP IV - 3 CREDITS/1 COURSE

PHEC 106 3 _____

* Must be completed with a grade of "C" or better.

⊥ At most, one of COSC 380/390/495 may be used.

η Substitution requires departmental approval.

[‡] Has prerequisites not listed on this form.

MATHEMATICS CORE (A Mathematics Minor)

- *MATH 201 CALCULUS I 4 _____
 *MATH 202 CALCULUS II 4 _____
 *MATH 210 DISCRETE MATH 3 _____
 *MATH 213 STATISTICAL THINKING η 3 _____
 *MATH 214 STATISTICS LABORATORY 1 _____
 *MATH 306 LINEAR ALGEBRA 3 _____

LOWER-DIVISION COMPUTER SCIENCE CORE

- *COSC 120 COMPUTER PROGRAMMING 4 _____
 *COSC 220 DATA STRUC. & ALG. ANALYSIS 4 _____
 *COSC 250 MICROCOMPUTER ORGANIZATION 4 _____

UPPER-DIVISION COMPUTER SCIENCE CORE

- *COSC 320 ADV. DATA STR. & ALG. ANALYSIS 3 _____
 *COSC 350 SYSTEMS SOFTWARE 4 _____
 *COSC 362 MATH. FOUND. OF COMP. SCIENCE 3 _____
 *COSC 425 SOFTWARE ENGINEERING I 3 _____
 *COSC 426 SOFTWARE ENGINEERING II 3 _____
 *COSC 450 OPERATING SYSTEMS 3 _____

Plus four of the following:

- *COSC 370 COMPUTER NETWORKS
 COSC 380/COSC 390/COSC 495 (3-4 c.h.)⊥
 *COSC 422 ORGANIZATION OF PROG. LANGUAGES
 *COSC 456 COMPUTER ARCHITECTURE
 *COSC 482 COMPUTER GRAPHICS
 *COSC 490 SPECIAL TOPICS
 *MATH 471 [‡] NUMERICAL METHODS
 *INFO 386 [‡] DATABASE MANAGEMENT SYSTEMS

OTHER ELECTIVES

(Chosen to bring the total to 120 credits)

All students must complete 120 credits, with 30 credits at the 300/400 level with a grade of "C" or better.