

Computer Engineering
Curriculum as reflected in the Fall 2005 catalog (122 hours)

NAME _____ SS# _____

INSTRUCTIONS: Enter all grades received (including failures and repeats). **Please note that it is the student's responsibility to fulfill the current published requirements for a degree.**

ENGLISH & SPEECH (12 hours)

ENGL 101** (3) _____

ENGL 102** (3) _____

ENGL 462/463 (3) _____

SPCH 140 (3) _____

LIBERAL ARTS (9 hours)

History (3) _____

Fine Arts (3) _____

Social Science (3) _____

MATHEMATICS (17 hours)

MATH 141 ** (4) _____

(Prereq: qualification through placement or a grade of C or better in MATH 112 or 115)

MATH 142 ** (4) _____

(Prereq: qualification through placement or a grade of C or better in MATH 141)

MATH 374** (3) _____

(Prereq: grade of C or better in MATH 142 & CSCE 146)

MATH 241 (3) _____

(Prereq: qualification through placement or a grade of C or better in MATH 142)

MATH 242 (3) _____

(Prereq: qualification through placement or a grade of C or better in MATH 142)

NATURAL SCIENCE (12 hours)

CHEM 111 (4) _____

(Prereq: MATH 111 or 115)

PHYS 211 ** (3) _____

(Prereq: a grade of C or better in MATH 141,
Coreq: PHYS 211L)

PHYS 211 L ** (1) _____

(Prereq or Coreq: PHYS 211 or PHYS 301)

PHYS 212 (3) _____
(Prereq: a grade of C or better in PHYS 211 and
MATH 142; Coreq: PHYS 212L)

PHYS 212 L (1) _____
(Prereq or coreq: PHYS 212 or PHYS 302)

STATISTICS and MATH ELECTIVE*
(3 hours)

_____ (3) _____

STAT 509 (3) _____

ELECTRICAL ENGINEERING

(12 hours)

ELCT 102 (3) _____
(Prereq or coreq: MATH 142)

ELCT 221** (3) _____
(Prereq: MATH 142)

ELCT 222 (3) _____
(Prereq: a grade of C or better in ELCT 221,
MATH 242)

ELCT 371 (3) _____
(Prereq: CSCE 211, ELCT 222)

*Math Elective: MATH 526, 527, 544, or CSCE 561. Other courses in linear algebra or numerical analysis may be substituted with permission of the department.

** **ALL students must earn a grade of "C" or better in all CSCE courses, ELCT 221, PHYS 211, MATH 141, MATH 142, MATH 374, ENGL 101, and ENGL 102.**

Computer Engineering

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COMPUTER SCIENCE & ENGINEERING (45 Hours)

CSCE 145** (4) _____
(Prereq: a grade of C or better in MATH 115 or
placement into MATH 141)

CSCE 146** (4) _____
(Prereq: a grade of C or better in both CSCE 145 & MATH 141)

CSCE 211** (3) _____
(Prereq: MATH 141)

CSCE 212** (3) _____
(Prereq: either CSCE 146 or both CSCE 145 and 211)

CSCE 240** (3) _____

(Prereq: a grade of C or higher in CSCE 146)

CSCE 245** (3) _____

(Prereq: a grade of C or higher in CSCE 146)

CSCE 311** (3) _____

(Prereq: CSCE 212, 245 and MATH 374)

CSCE 313** (3) _____

(Prereq: CSCE 211, 212)

CSCE 317** (3) _____

(Prereq: CSCE 240, MATH 242, STAT 509)

CSCE 350** (3) _____

(Prereq: CSCE 245, MATH 374)

CSCE 355** (3) _____

(Prereq: CSCE 211, 212, 350)

CSCE 390** (1) _____

(Prereq: CSCE 240, SPCH 140)

CSCE 416** (3) _____

(Prereq: CSCE 311)

CSCE 491** (3) _____

(Prereq: : CSCE 311, 317)

CSCE 492** (3) _____

(Prereq: CSCE 240, 311, either ENGL 462 or 463)

MAJOR ELECTIVES (9 Hours)**

_____ (3) _____
_____ (3) _____
_____ (3) _____

FOREIGN LANGUAGE (Test Score ____)

Courses taken, if required:

_____ (3) _____
_____ (3) _____

****Major Electives:** See department for approved CSCE elective courses. CSCE 330, ELCT 321, ELCT 331 and most CSCE 510 or higher are approved. CSCE 561 satisfies the requirement

as either a CSCE elective or MATH elective. All CSCE courses must be a C or higher.

Revised Spring 2005