

**USC College of Engineering & Information Technology**  
**Computer Engineering Fall 2004 (122 hours)**

NAME \_\_\_\_\_ SS# \_\_\_\_\_

**INSTRUCTIONS:** Enter all grades received (including failures and repeats). In particular, note upper division and graduation requirements for the College. See departmental curricula for course requirements in each major. **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 102)

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**

**INSTRUCTIONS:** Students must be admitted to the Upper Division before enrolling in Upper Division (300 or higher) Computer Science and Engineering courses. This requires completion of all Lower Division (100 and 200 level) Computer Science and Electrical Engineering courses, ENGL 101, ENGL 102, MATH 141, 142, 241, 242, 374, CHEM 111, PHYS 211&L, PHYS 212&L with appropriate grades. Enter all grades received. Consult the USC bulletin for course descriptions and regulations.

**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.

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