Computer Engineering  
Curriculum as reflected in the Fall 2006 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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 101**</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 102**</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 462/463</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 140</td>
<td>3</td>
</tr>
</tbody>
</table>

**LIBERAL ARTS** (9 hours)

History (3) 
Fine Arts (3) 
Social Science (3)

**MATHEMATICS** (17 hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 141 **</td>
<td>4</td>
<td>qualification through placement or a grade of C or better in MATH 112 or 115</td>
</tr>
<tr>
<td>MATH 142 **</td>
<td>4</td>
<td>qualification through placement or a grade of C or better in MATH 141</td>
</tr>
<tr>
<td>MATH 374 **</td>
<td>3</td>
<td>grade of C or better in MATH 142 &amp; CSCE 146</td>
</tr>
<tr>
<td>MATH 241</td>
<td>3</td>
<td>qualification through placement or a grade of C or better in MATH 141</td>
</tr>
<tr>
<td>MATH 242</td>
<td>3</td>
<td>qualification through placement or a grade of C or better in MATH 142</td>
</tr>
</tbody>
</table>

**NATURAL SCIENCE** (12 hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 111</td>
<td>4</td>
<td>MATH 111 or 115</td>
</tr>
<tr>
<td>PHYS 211 **</td>
<td>3</td>
<td>grade of C or better in MATH 141, Coreq: PHYS 211L</td>
</tr>
<tr>
<td>PHYS 211 L **</td>
<td>1</td>
<td>Prreq or Coreq: PHYS 211 or PHYS 301</td>
</tr>
</tbody>
</table>
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.

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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