### OCCC Engineering - Transfer to OU Computer Engineering

**Associate in Science Min. 62 Credits, SU 2010 - SP 2011**

**12/8/2010**

<table>
<thead>
<tr>
<th>Year</th>
<th>FIRST SEMESTER</th>
<th>HRS</th>
<th>SECOND SEMESTER</th>
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<tr>
<td><strong>FRESHMAN</strong></td>
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<td><strong>OCCC</strong></td>
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<tr>
<td>MATH 2104, Calculus and Analytic Geometry I</td>
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<td>MATH 2214, Calculus and Analytic Geometry II</td>
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<td>CHEM 1115, General Chemistry I</td>
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<td>PHYS 2014, Engineering Physics I</td>
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<td>ENGL 1113, English Composition I</td>
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<td>ENGL 1213, English Composition II</td>
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<td>SCL 1001, Success in College Life</td>
<td>1</td>
<td>CS 1143, Beginning Programming</td>
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<td>HUM 1113, Music Appreciation (OR)</td>
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<td>(Prerequisite for CS 2163 at OCCC)</td>
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<td>ART 1053, Art Appreciation (OR)</td>
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<td>HUM 2243, Film Studies</td>
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<td><strong>TOTAL CREDIT HOURS</strong></td>
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<td><strong>TOTAL CREDIT HOURS</strong></td>
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<td><strong>SUMMER</strong></td>
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<tr>
<td>PSY 1113, Intro to Psychology (OR)</td>
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<td>SOC 1113, Intro to Sociology</td>
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<td><strong>SOPHOMORE</strong></td>
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<tr>
<td>MATH 2314, Calculus and Analytic Geometry III</td>
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<td>ENGR 2613, Electrical Science</td>
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<td>PHYS 2114, Engineering Physics II</td>
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<td>ENGR 2002, Professional Development</td>
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<td>CS 2163, Java</td>
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<td>MATH 2413, Ordinary Differential Equations</td>
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<td><strong>TOTAL CREDIT HOURS</strong></td>
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<td>HIST 2603, World Regional Geography (OR)</td>
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<tr>
<td>GEOG 2603, World Regional Geography (OR)</td>
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<td>HUM 2143, Mythology</td>
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<td><strong>JUNIOR</strong></td>
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<td><strong>OU (If Admitted to Upper Division ECE)</strong></td>
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<td>MATH 3333, Linear Algebra I</td>
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<td>C S 2413, Data Structures</td>
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<tr>
<td>#ECE 3723, Electrical Circuits II</td>
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<td>#ECE 3223, Microprocessor System Design</td>
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<td>#ECE 3773, ECE Circuits Laboratory</td>
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<td>#ECE 3793, Signals and Systems</td>
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<tr>
<td>#ECE 3813, Introductory Electronics</td>
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<td>#ECE 3873, ECE Electronics Laboratory</td>
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<tr>
<td>C S 2813, Discrete Structures</td>
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<td>#ECE/CS 3000 - 4000 Elective</td>
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<tr>
<td><strong>SENIOR</strong></td>
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<tr>
<td>#ECE 4273, Digital Design Laboratory</td>
<td>3</td>
<td>#ECE 4773, Laboratory-Special Projects (Capstone)</td>
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<tr>
<td>#ECE 4613, Computer Architecture</td>
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<td>#ECE/CS 4000- or higher level Elective</td>
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<tr>
<td>I E 3293, Applied Engineering Statistics</td>
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<td>#ECE/CS 4000- or higher level Elective</td>
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<tr>
<td>#ECE/CS 3000-4000-level Elective</td>
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<td>#Professional Elective</td>
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<td><strong>TOTAL CREDIT HOURS</strong></td>
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<td><strong>TOTAL CREDIT HOURS</strong></td>
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**Need Courses to Apply to ECE Upper Division Courses (2.0 GPA)**

- MATH 2104, Calculus and Analytic Geometry I
- CHEM 1115, General Chemistry I
- ENGL 1113, English Composition I
- SCL 1001, Success in College Life
- HUM 1113, Music Appreciation (OR)
- ART 1053, Art Appreciation (OR)
- HUM 2243, Film Studies
- PSY 1113, Intro to Psychology (OR)
- SOC 1113, Intro to Sociology
- MATH 2314, Calculus and Analytic Geometry III
- PHYS 2114, Engineering Physics II
- ENGR 2002, Professional Development
- CS 2163, Java
- MATH 2413, Ordinary Differential Equations
- HIST 2603, World Regional Geography (OR)
- GEOG 2603, World Regional Geography (OR)
- HUM 2143, Mythology
- MATH 3333, Linear Algebra I
- C S 2413, Data Structures
- #ECE 3723, Electrical Circuits II
- #ECE 3773, ECE Circuits Laboratory
- #ECE 3813, Introductory Electronics
- C S 2813, Discrete Structures
- #ECE 4273, Digital Design Laboratory
- #ECE 4613, Computer Architecture
- I E 3293, Applied Engineering Statistics
- #ECE/CS 3000-4000-level Elective

**OU Total Hours:** 69

**OCCC Total Hours:** 61

- §Electives to be selected from list available in the ECE office, CEC 218.
- Technical Electives must satisfy Depth Requirement.

**†To be chosen from the University-Wide General Education Approved Course List. Three of the 12 hours must be upper-division.**

If Student needs Math below Calculus level at OCCC, take CS 2363 and CS 2463 (CS 2334 at OU).