## UNC Charlotte B.S.Cp.E.¹ Lower Division Requirements and North Carolina Common Course Library Equivalent Courses for North Carolina Community College Students

### Freshman Year

#### First Semester:

<table>
<thead>
<tr>
<th>NCCCL² Course</th>
<th>UNC Charlotte Equivalent Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGR 150 Intro to Engineering</td>
<td>ENGR 1201 - Intro To Engineering Practices &amp; Principles I (2)</td>
</tr>
<tr>
<td>CHM 151 General Chemistry I with Lab</td>
<td>CHEM 1251 - Principles of Chemistry (3)</td>
</tr>
<tr>
<td>CHM 151 General Chemistry I with Lab</td>
<td>CHEM 1251L - Chemistry Lab (1)</td>
</tr>
<tr>
<td>MAT 271 Calculus I</td>
<td>MATH 1241 - Calculus I</td>
</tr>
<tr>
<td>ENG 111 Expository Writing</td>
<td>ENGL 1101 - English Composition (3)</td>
</tr>
<tr>
<td>CSC 134 C++ Programming</td>
<td>ECGR 2103 – Computer Utilization in C++ (3)</td>
</tr>
</tbody>
</table>

**Total Semester Hours (16)**

**Total Semester Hours (15)**

#### Second Semester:

<table>
<thead>
<tr>
<th>NCCCL Course</th>
<th>UNC Charlotte Equivalent Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pick one: ART 110, 111, 114, 115, 116, 117,</td>
<td>LBST 1101, 1102, 1103, 1104 or 1105 - Arts and Society (3)</td>
</tr>
<tr>
<td>DAN 110, 211, 212, DRA 111, 112, 115, 211,</td>
<td></td>
</tr>
<tr>
<td>212 or MUS 110, 113, 114, 210, 213, 271, 272</td>
<td></td>
</tr>
<tr>
<td>PHYS 251 General Physics with Lab</td>
<td>PHYS 2101 – Physics for Science &amp; Engineering I (3)</td>
</tr>
<tr>
<td>PHYS 2101L - Physics Lab I</td>
<td></td>
</tr>
<tr>
<td>MAT 272 Calculus II</td>
<td>MATH 1242 - Calculus II</td>
</tr>
<tr>
<td>ENG 113 Literature-Based Research</td>
<td>ENGL 1102 - Composition &amp; Literature (3)</td>
</tr>
</tbody>
</table>

**Total Semester Hours (16)**

**Total Semester Hours (15)**

### Sophomore Year

#### First Semester:

<table>
<thead>
<tr>
<th>NCCCL Course</th>
<th>UNC Charlotte Equivalent Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pick one: HIS 111, 112, 121, 122,</td>
<td>LBST 2101 - Western Tradition (3)</td>
</tr>
<tr>
<td>131, 132, 221, 222, 223, 231, HUM 121,</td>
<td></td>
</tr>
<tr>
<td>122, 150, 211, 212, PHI 210, REL 112,</td>
<td></td>
</tr>
<tr>
<td>221, or SOC 230 (3)</td>
<td></td>
</tr>
<tr>
<td>EGR 215 Network Theory I</td>
<td>ECRG 2111 - Network Theory I (3)</td>
</tr>
<tr>
<td>EGR 216 Logic and Network Lab</td>
<td>ECRG 2155 - Lab: Logic &amp; Networks (1)</td>
</tr>
<tr>
<td>EGR 212 Logic System design I</td>
<td>ECRG 2181 - Logic System Design I (3)</td>
</tr>
<tr>
<td>PHY 252 General Physics II with Lab</td>
<td>PHYS 2102 – Physics for Science &amp; Engineering II (3)</td>
</tr>
<tr>
<td>MAT 285-Differential Equations</td>
<td>PHYS 2102L - Physics Lab II (1)</td>
</tr>
</tbody>
</table>

**Total Semester Hours (18)**

**Total Semester Hours (17)**

#### Second Semester:

<table>
<thead>
<tr>
<th>NCCCL Course</th>
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</thead>
<tbody>
<tr>
<td>Pick one: ANT 220, 221, GEO 111, 112,</td>
<td>LBST 2102 – Global Understanding (3)</td>
</tr>
<tr>
<td>HIS 114, 115, 165, HUM 120, POL 210,</td>
<td></td>
</tr>
<tr>
<td>220, REL 110, 111, or SOC 225 (3)</td>
<td></td>
</tr>
<tr>
<td>EGR 218 Network Theory II</td>
<td>ECRG 2112 - Network Theory II (3)</td>
</tr>
<tr>
<td>EGR 219 Instrument and Network Lab</td>
<td>ECRG 2156 - Lab: Instrumentation and Networks (1)</td>
</tr>
<tr>
<td>MAT 273 Calculus III</td>
<td>MATH 2241 – Calculus III (3)</td>
</tr>
<tr>
<td>Pick one: ENG 131, 132, 133, 134,</td>
<td></td>
</tr>
<tr>
<td>135, 231, 232, 233, 234, 241, 242,</td>
<td>LBST 2211-2215 Ethical Issues and Cultural Critique (3)</td>
</tr>
<tr>
<td>243, 251, 252, 253, 261, 262, 265,</td>
<td></td>
</tr>
<tr>
<td>266, 271, 272, 273, 274, 275, HEA 110,</td>
<td></td>
</tr>
<tr>
<td>HUM 110, 115, 130, 220, PHI 215,</td>
<td></td>
</tr>
<tr>
<td>220, 221, 240, SOC 213, 220, SPA 151,</td>
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<tr>
<td>or REL 211, 212. (3)</td>
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</tbody>
</table>

**Total Semester Hours (13)**

**Total Semester Hours (13)**

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¹ Bachelor of Science in Computer Engineering.
² North Carolina Common Course Library.

Updated 1/22/2013