Degree Transfer Agreement Fall 2013 – Summer 2016 based on 2013-2014 CNM and UNM Catalogs

Central New Mexico Community College A.S. Engineering
For transfer into
University of New Mexico B.S. Engineering

- This Degree Transfer Agreement fulfills all A.S. Engineering requirements at CNM and Admission requirements to UNM’s School of Engineering.
- This Degree Transfer Agreement goes into effect beginning Fall 2013 and will be valid for admission into UNM’s School of Engineering through Summer 2016.
- Please speak with your STEM Advisor if you have AP or CLEP credit, which could fulfill certain course requirements below.
- **Pay attention to prerequisite course requirements** and plan courses accordingly. Prerequisites may be different at each institution. Please speak with your STEM Advisor.
- Be sure to review Engineering department admission requirements for the GPA requirement of your major at UNM, as they vary by major. Speak to an advisor before enrolling in coursework.
- All course work required for graduation from UNM must be successfully completed with a ‘C’ or better within three (3) attempts.

<table>
<thead>
<tr>
<th>CNM</th>
<th>UNM</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A.S. Engineering</strong></td>
<td><strong>B.S. Chemical Engineering</strong></td>
</tr>
<tr>
<td></td>
<td><strong>B.S. Civil Engineering</strong></td>
</tr>
<tr>
<td></td>
<td><strong>B.S. Computer Engineering</strong></td>
</tr>
<tr>
<td></td>
<td><strong>B.S. Construction Engineering</strong></td>
</tr>
<tr>
<td></td>
<td><strong>B.S. Electrical Engineering</strong></td>
</tr>
<tr>
<td></td>
<td><strong>B.S. Mechanical Engineering</strong></td>
</tr>
<tr>
<td></td>
<td><strong>B.S. Nuclear Engineering</strong></td>
</tr>
</tbody>
</table>

### Computer and Engineering Courses

<table>
<thead>
<tr>
<th>CNM</th>
<th>UNM</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ENGR 1010</strong></td>
<td><strong>Survey of Engineering</strong> (1)</td>
</tr>
<tr>
<td><strong>IT 1010</strong></td>
<td><strong>Introduction to Computers</strong> (3)</td>
</tr>
<tr>
<td><strong>For Electrical &amp; Computer Engineering Majors only:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>CSCI 1151</strong></td>
<td><strong>Intro to Programming for Non-Majors</strong> (4)</td>
</tr>
<tr>
<td><strong>OR</strong></td>
<td><strong>For Electrical &amp; Computer Engineering Majors only:</strong></td>
</tr>
<tr>
<td><strong>CSCI 1153</strong></td>
<td><strong>Programming in MATLAB</strong> (4)</td>
</tr>
<tr>
<td><strong>For all other Engineering Majors:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>CSCI 1151</strong></td>
<td><strong>Intro to Programming for Non-Majors</strong> (4)</td>
</tr>
<tr>
<td><strong>OR</strong></td>
<td><strong>For all other Engineering Majors:</strong></td>
</tr>
<tr>
<td><strong>CSCI 1153</strong></td>
<td><strong>Programming in MATLAB</strong> (4)</td>
</tr>
</tbody>
</table>

### Mathematics Courses

Math placement is determined by Accuplacer exam, ACT or SAT scores. Speak with your STEM advisor to find out which Math course(s) you may need to complete **BEFORE** taking Calculus.

<table>
<thead>
<tr>
<th>CNM</th>
<th>UNM</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MATH 1710</strong></td>
<td><strong>Calculus I</strong> (4)</td>
</tr>
<tr>
<td><strong>MATH 1715</strong></td>
<td><strong>Calculus II</strong> (4)</td>
</tr>
<tr>
<td><strong>MATH 2710</strong></td>
<td><strong>Calculus III</strong> (4)</td>
</tr>
<tr>
<td><strong>MATH 2910</strong></td>
<td><strong>Applied Ordinary Diff Equations</strong> (3)</td>
</tr>
<tr>
<td><strong>See your STEM Advisor about this course.</strong></td>
<td><strong>MATH 316/MATH 2T Applied Ord Diff Equations</strong> (3)</td>
</tr>
<tr>
<td><strong>See your STEM Advisor about this course.</strong></td>
<td><strong>MATH 316/MATH 2T Applied Ord Diff Equations</strong> (3)</td>
</tr>
</tbody>
</table>

### Science Courses

Take the Chemistry and Physics course sequences as listed below:

<table>
<thead>
<tr>
<th>CNM</th>
<th>UNM</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CHEM 1710</strong></td>
<td><strong>General Chemistry I</strong> (3)</td>
</tr>
<tr>
<td><strong>CHEM 1792</strong></td>
<td><strong>General Chemistry I Lab</strong> (1)</td>
</tr>
<tr>
<td><strong>PHYS 1710</strong></td>
<td><strong>Physics for Scientists I</strong> (4)</td>
</tr>
<tr>
<td><strong>PHYS 1792</strong></td>
<td><strong>Physics for Scientists I Lab</strong> (1)</td>
</tr>
<tr>
<td><strong>PHYS 1810</strong></td>
<td><strong>Physics for Scientists II</strong> (4)</td>
</tr>
<tr>
<td><strong>PHYS 1892</strong></td>
<td><strong>Physics for Scientists II Lab</strong> (1)</td>
</tr>
<tr>
<td><strong>CHEM 121</strong></td>
<td><strong>General Chemistry I</strong> (3)</td>
</tr>
<tr>
<td><strong>CHEM 123L</strong></td>
<td><strong>General Chemistry I Lab</strong> (1)</td>
</tr>
<tr>
<td><strong>PHYC 160</strong></td>
<td><strong>General Physics I</strong> (3)</td>
</tr>
<tr>
<td><strong>PHYC 160L</strong></td>
<td><strong>General Physics I Lab</strong> (1)</td>
</tr>
<tr>
<td><strong>PHYC 161</strong></td>
<td><strong>General Physics II</strong> (3)</td>
</tr>
<tr>
<td><strong>PHYC 161L</strong></td>
<td><strong>General Physics II Lab</strong> (1)</td>
</tr>
</tbody>
</table>
Select 12-13 credits from the courses below according to your specific Engineering major:

**Engineering Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 1110</td>
<td>Accounting I</td>
<td>6</td>
</tr>
<tr>
<td>BIO 1010</td>
<td>Biology for Non-Majors</td>
<td>3</td>
</tr>
<tr>
<td>BIO 1510</td>
<td>Molecular and Cell Biology</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1810</td>
<td>General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1892</td>
<td>General Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 2710</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 2792</td>
<td>Organic Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>EPS 1101</td>
<td>Introduction to Geology</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2910</td>
<td>Circuit Analysis I</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 2915</td>
<td>Circuit Analysis II</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2917</td>
<td>Thermodynamics</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2810</td>
<td>Engineering Statics</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2815</td>
<td>Engineering Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2810</td>
<td>Applied Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 314</td>
<td>Applied Linear Algebra</td>
<td>3</td>
</tr>
</tbody>
</table>

**Communications Core**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 1101</td>
<td>College Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENG 1102</td>
<td>Analytic &amp; Argumentative Writing</td>
<td>3</td>
</tr>
<tr>
<td>ENG 2219</td>
<td>Technical Communications</td>
<td>3</td>
</tr>
</tbody>
</table>

**Humanities Core**

Choose two courses below from two different disciplines:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 2262</td>
<td>Survey of Early World Lit</td>
<td>3</td>
</tr>
<tr>
<td>ENG 2263</td>
<td>Survey of Later World Lit</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1101</td>
<td>Western Civilization I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1102</td>
<td>Western Civilization II</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1161</td>
<td>History of the United States I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1162</td>
<td>History of the United States II</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1182</td>
<td>Modern Latin American History</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 1110</td>
<td>Intro. to Philosophical Thought</td>
<td>3</td>
</tr>
<tr>
<td>RLGN 1107</td>
<td>Living World Religions</td>
<td>3</td>
</tr>
<tr>
<td>RLGN 2263</td>
<td>Eastern Religions</td>
<td>3</td>
</tr>
</tbody>
</table>

**Fine Arts Core**

Choose one course below:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTH 1101</td>
<td>Introduction to Art</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 2201</td>
<td>History of Art I</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 2202</td>
<td>History of Art II</td>
<td>3</td>
</tr>
<tr>
<td>ENG 2210</td>
<td>Film as Literature</td>
<td>3</td>
</tr>
<tr>
<td>MUS 1139</td>
<td>Early Music Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>THEA 1122</td>
<td>Introduction to Theater</td>
<td>3</td>
</tr>
</tbody>
</table>

**Social/Behavioral Sciences Core**

Take ENCON 2200 and choose one additional course below:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 1101</td>
<td>Introduction to Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 1130</td>
<td>Cultures of the World</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2201</td>
<td>Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 1102</td>
<td>Human Geography</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 1110</td>
<td>The Political World</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 2200</td>
<td>US Politics</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 2220</td>
<td>Comparative Government</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 2240</td>
<td>International Politics</td>
<td>3</td>
</tr>
<tr>
<td>PSCI 2250</td>
<td>International Politics</td>
<td>3</td>
</tr>
<tr>
<td>PSY 1105</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 1101</td>
<td>Introductory to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2000</td>
<td>Macroeconomics (required)</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 101</td>
<td>Introduction to Art</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 130</td>
<td>Cultures of the World</td>
<td>3</td>
</tr>
<tr>
<td>ECON 105</td>
<td>Introductory Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 101</td>
<td>Introduction to Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 130</td>
<td>Cultures of the World</td>
<td>3</td>
</tr>
<tr>
<td>ECON 106</td>
<td>Introductory Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 102</td>
<td>Human Geography</td>
<td>3</td>
</tr>
<tr>
<td>POLS 110</td>
<td>The Political World</td>
<td>3</td>
</tr>
<tr>
<td>POLS 200</td>
<td>American Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 220</td>
<td>Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 240</td>
<td>International Politics</td>
<td>3</td>
</tr>
<tr>
<td>PSY 105</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 101</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>PHYS 2710</td>
<td>Physics for Engineers III</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 2088</td>
<td>Engineering Specialty</td>
<td>1-16</td>
</tr>
<tr>
<td>PHYC 262</td>
<td>General Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHYC 262L</td>
<td>General Physics Lab</td>
<td>1</td>
</tr>
<tr>
<td>CE 160</td>
<td>Civil Engineering Design</td>
<td>3</td>
</tr>
<tr>
<td>CE 283</td>
<td>Trans Systems Measurements</td>
<td>3</td>
</tr>
<tr>
<td>CE 352</td>
<td>Comp Apps in Civil Engr</td>
<td>3</td>
</tr>
<tr>
<td>CHNE 101</td>
<td>Introduction to CHNE</td>
<td>3</td>
</tr>
<tr>
<td>CHNE 213</td>
<td>Circuits for CHNE</td>
<td>3</td>
</tr>
<tr>
<td>CHNE 230</td>
<td>Principles of Radiation Protection</td>
<td>3</td>
</tr>
<tr>
<td>CHNE 231</td>
<td>Principles of Nuclear Engr</td>
<td>3</td>
</tr>
<tr>
<td>CHNE 251</td>
<td>Chemical Process Calculations I</td>
<td>3</td>
</tr>
<tr>
<td>CHNE 253</td>
<td>Chemical Process Calculations II</td>
<td>3</td>
</tr>
<tr>
<td>CHNE 302</td>
<td>Chemical Engr Thermo</td>
<td>3</td>
</tr>
<tr>
<td>CHNE 314</td>
<td>Thermo and Nuclear Systems</td>
<td>3</td>
</tr>
<tr>
<td>CHNE 372</td>
<td>Nuclear Engr Materials</td>
<td>3</td>
</tr>
<tr>
<td>ECE 101</td>
<td>Introduction to ECE</td>
<td>1</td>
</tr>
<tr>
<td>ECE 206L</td>
<td>Electrical Engr Lab</td>
<td>2</td>
</tr>
<tr>
<td>ECE 231</td>
<td>Intermediate Programming</td>
<td>3</td>
</tr>
<tr>
<td>ECE 238L</td>
<td>Computer Logic Design</td>
<td>3</td>
</tr>
<tr>
<td>ECE 330</td>
<td>Software Design</td>
<td>3</td>
</tr>
<tr>
<td>ME 160</td>
<td>Mechanical Engr Design I</td>
<td>3</td>
</tr>
<tr>
<td>ME 217</td>
<td>Energy, Environment and Society</td>
<td>3</td>
</tr>
<tr>
<td>ME 260</td>
<td>Mechanical Engr Design II</td>
<td>3</td>
</tr>
<tr>
<td>ME 318L</td>
<td>Mechanical Engr Lab</td>
<td>3</td>
</tr>
<tr>
<td>PHYC 167</td>
<td>Problems in Gen Physics</td>
<td>1</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS** (73-74)

**TOTAL CREDITS** (69-70)

1. MATH 2910 at CNM is equivalent to MATH 316 at UNM in the Engineering major only.
2. ME 217 is the required 2nd Social Science for the Mechanical Engineering program at UNM but does not fulfill the Social Behavioral Science requirement at CNM.
3. This course at CNM will meet the requirement for the course at UNM, but it will not transfer as upper division credit.
4. MATH 2810 at CNM is equivalent to MATH 314 at UNM in the Engineering major only.
## Computer Engineering Curriculum Alignment

<table>
<thead>
<tr>
<th>Course Subject and Title</th>
<th>Cr. Hrs.</th>
<th>CNM Major Core</th>
<th>UNM Equivalent</th>
<th>UNM Major Core</th>
<th>Min Grade</th>
</tr>
</thead>
</table>

### Semester One:

<table>
<thead>
<tr>
<th>Course Subject and Title</th>
<th>Cr. Hrs.</th>
<th>CNM Major Core</th>
<th>UNM Equivalent</th>
<th>UNM Major Core</th>
<th>Min Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 1101</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG 1102</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 1710</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 1715</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fine Arts</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Basic Science Course w Lab</em></td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Semester Two:

<table>
<thead>
<tr>
<th>Course Subject and Title</th>
<th>Cr. Hrs.</th>
<th>CNM Major Core</th>
<th>UNM Equivalent</th>
<th>UNM Major Core</th>
<th>Min Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 2088</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECE 131</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSCI 1151</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECE 101</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IT 1010</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Semester Three:

<table>
<thead>
<tr>
<th>Course Subject and Title</th>
<th>Cr. Hrs.</th>
<th>CNM Major Core</th>
<th>UNM Equivalent</th>
<th>UNM Major Core</th>
<th>Min Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 2219</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 219</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 2710</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 2810</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Basic Science Course w Lab</em></td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Semester Four:

<table>
<thead>
<tr>
<th>Course Subject and Title</th>
<th>Cr. Hrs.</th>
<th>CNM Major Core</th>
<th>UNM Equivalent</th>
<th>UNM Major Core</th>
<th>Min Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 2910</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 314</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOCIAL/BEHAVIORAL</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 1710/1792</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYC 160/160L</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Semester Five:

<table>
<thead>
<tr>
<th>Course Subject and Title</th>
<th>Cr. Hrs.</th>
<th>CNM Major Core</th>
<th>UNM Equivalent</th>
<th>UNM Major Core</th>
<th>Min Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 2910</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECE 203</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGR 2915</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECE 213</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Semester Six:

<table>
<thead>
<tr>
<th>Course Subject and Title</th>
<th>Cr. Hrs.</th>
<th>CNM Major Core</th>
<th>UNM Equivalent</th>
<th>UNM Major Core</th>
<th>Min Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE 337L</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECE 340</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Semester Seven:

<table>
<thead>
<tr>
<th>Course Subject and Title</th>
<th>Cr. Hrs.</th>
<th>CNM Major Core</th>
<th>UNM Equivalent</th>
<th>UNM Major Core</th>
<th>Min Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE 419</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECE 420</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Semester Eight:

<table>
<thead>
<tr>
<th>Course Subject and Title</th>
<th>Cr. Hrs.</th>
<th>CNM Major Core</th>
<th>UNM Equivalent</th>
<th>UNM Major Core</th>
<th>Min Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical Elective</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Technical Elective</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Notes:

- Asterisk information is noted on the Advising Tips.
- Revised on 9/10/12 by the STEM UP Joint Advisory Council
- Revised on 1/30/13 by the Engineering Articulation Committee
- JAC added Roadmaps and Advising Tips on 5/1/13
Advisement Tips

- All CNM students are recommended to take a course at UNM the semester prior to full transfer by utilizing the consortium agreement. By taking a course at UNM prior to full transfer it will classify the students as a UNM student; thus, allowing them to enroll into their following semester (Full transfer to UNM) courses early.

- The course ENGR 2088 is an Engineering Elective course specific to the Bachelor’s Degree a student seeks at UNM. ENGR 2088 is taken at UNM and then transferred back to CNM. The course if upper division will transfer back as ENGR 2088, but will still satisfy UNM’s upper division requirements.

**Engineering**

Students should contact an Advisor to understand UNM Engineering Curriculum Semester Sequencing upon full transfer.

- IT 1010
  - All CNM students are eligible to challenge IT 1010.

- Foreign Language 3-6 Credit Hours
  - Foreign Language is not a CNM Engineering Associates of Science requirement, but is part of UNM’s general core.
  - Student can test out of Foreign Language requirement. *Speak to an Advisor for more information*

- MATH 2910 Applied Ordinary Differential Equations
  - MATH 2910 Applied Ordinary Differential Equations will satisfy the requirement for MATH 316 3T Applied Ordinary Differential Equations at UNM. This course will satisfy all Engineering B.S. MATH 316 3T requirements, but will not fulfill UNM upper division requirements.

- MATH 2810 Applied Linear Algebra
  - MATH 2810 Applied Linear Algebra will satisfy requirements for MATH 314 3T Linear Algebra with Applications at UNM in the Engineering degrees only. This course will satisfy Electrical Engineering and Computer Engineering’s B.S. MATH 314 3T requirements, but will not fulfill UNM upper division requirements.

- Basic Science Course w Lab (choose one course with lab from below)
  - CHEM 1710/1792 = CHEM 121/123L
  - PHYS 2710 = PHYC 262/262L

  BIO 1010/1092 = BIO BIOL 110/112L; BIO 1410/1492 = BIOL 123/124L; BIO 1510/1592 = BIOL201
Computer Engineering Departmental Requirements:

To be eligible for admission into the Computer Engineering program, you must have completed at least 18 hours from the following list of courses, which must include MATH 162 and 163, with the minimum GPA of 2.50. You must also have completed at least 26 hours of courses acceptable toward a degree in Computer Engineering with a GPA of at least 2.20, including a C or better in English 101. Courses in which the grade was a D+ or less are not acceptable toward admission to the program.

Math 162 Required (4)  ECE 131 (3)  PHYC 161 (3)
Math 163 Required (4)  PHYC 160 (3)  PHYC 161 L (1)

Basic Science with Lab (4)  EECE 203 (3)

- CHEM 1710/1792 = CHEM 121/123L
- PHYS 2710 = PHYC 262/262L
- BIO 1010/1092 = BIO BIOL 110/112L; BIO 1410/1492 = BIOL 123/124L; BIO 1510/1592 = BIOL201

No C- grades will be allowed on any courses toward the Bachelor of Computer Engineering degree. Only grades of C or better will be accepted beginning Spring 2006.

For further questions regarding Transfer to UNM in the STEM fields contact:

Roberto Vazquez
Transfer Articulation Analyst
STEM UP
CNM/UNM Cooperative
505.277.5166
Developing STEM Undergraduate Pathways

STEM UP is a Title V grant, funded for five years in the amount of $3.5 million by the U.S. Department of Education and authorized under the Title III, Part F, section 371 of Higher Education Act of 1965 as amended, Hispanic-Serving Institutions (HSI) STEN and Articulation Program Cooperative.