## Course Equivalents (Articulation Agreements) to Loma Linda University School of Pharmacy from Southern Adventist University: 2014-2015 Semester

<table>
<thead>
<tr>
<th>Prerequisite</th>
<th>Southern Adventist University Equivalent Courses</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Biology I with lab</td>
<td>BIOL 151 *</td>
<td>General Biology</td>
</tr>
<tr>
<td>General Biology II with lab</td>
<td>BIOL 152 *</td>
<td>General Biology</td>
</tr>
<tr>
<td>General Chemistry I with lab</td>
<td>CHEM 151</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>General Chemistry II with lab</td>
<td>CHEM 152</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>Organic Chemistry I with lab</td>
<td>CHEM 311</td>
<td>Organic Chemistry I</td>
</tr>
<tr>
<td>Organic Chemistry II with lab</td>
<td>CHEM 312</td>
<td>Organic Chemistry II</td>
</tr>
<tr>
<td>General Physics I with lab</td>
<td>PHYS 211 &amp; 213 lab <strong>OR</strong></td>
<td>General Physics &amp; Lab</td>
</tr>
<tr>
<td>General Physics II with lab</td>
<td>PHYS 212 &amp; 214 lab <strong>OR</strong></td>
<td>General Physics &amp; Lab <strong>OR</strong></td>
</tr>
<tr>
<td></td>
<td>PHYS 221 &amp; 223 lab</td>
<td>University Physics I &amp; Lab</td>
</tr>
<tr>
<td></td>
<td>PHYS 222 &amp; 224 lab</td>
<td>University Physics II &amp; Lab</td>
</tr>
<tr>
<td>Human Anatomy</td>
<td>BIOL 101 <strong>OR</strong></td>
<td>Anatomy &amp; Physiology <strong>OR</strong></td>
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<tr>
<td></td>
<td>BIOL 416</td>
<td>Human Anatomy</td>
</tr>
<tr>
<td>General Biochemistry</td>
<td>CHEM 361 *</td>
<td>Biochemistry</td>
</tr>
<tr>
<td>General Microbiology</td>
<td>BIOL 330</td>
<td>General Microbiology</td>
</tr>
<tr>
<td>Calculus I</td>
<td>MATH 191</td>
<td>Calculus I</td>
</tr>
<tr>
<td>Economics</td>
<td>ECON 224 <strong>OR</strong></td>
<td>Principles of Macroeconomics <strong>OR</strong></td>
</tr>
<tr>
<td></td>
<td>ECON 225</td>
<td>Principles of Microeconomics</td>
</tr>
<tr>
<td>General Psychology</td>
<td>PSYC 122</td>
<td>General Psychology</td>
</tr>
<tr>
<td>Speech Communication</td>
<td>COMM 135</td>
<td>Intro to Public Speaking</td>
</tr>
</tbody>
</table>

### Additional Recommended Sciences:

| **Cellular & Molecular Biology** | BIOL 412 | Cell and Molecular Biology | 4 |
| **Histology** | BIOL 417 | Animal Histology | 3 |
| **Immunology** | BIOL 340 | Immunology | 3 |
| **Physiology** | BIOL 102 | Anatomy & Physiology | 4 |

**Students who have not completed a bachelor’s degree** or are not planning on completing a bachelor’s degree are considered in rare circumstances for admission to the School of Pharmacy. **Applicants without a bachelor’s degree must complete additional courses in the following areas:**

- **English Composition**: *6 semester or 9 quarter hours of English Composition.* This should be the freshman composition sequence. Remedial English and English as a Second Language (ESL) course are not acceptable to fulfill this requirement. English courses must be taken from the English Department.

- **Humanities/Fine Arts**: *12 semester or 18 quarter hours of Humanities/Fine Arts.* Recommended areas include literature, philosophy, history, ethics, foreign language, art history, or music history. Studio or performance classes in art and music are not acceptable.

- **Social and Behavioral Sciences**: *6 semester or 9 quarter hours of Social and Behavioral Sciences* (in addition to General Psychology and Economics from prerequisite list above). Recommended areas include cultural diversity, anthropology, psychology, psychobiology, economics, political science, geography, and sociology.

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*Advanced Placement (AP) Credit*  
AP credit will be accepted as fulfilling the first quarter/semester of any prerequisite sequence.

*College Level Examination Program (CLEP) Credit*  
CLEP credit will NOT be accepted to fulfill any of the prerequisite courses.

*Distance and Online Courses*  
Distance and online courses are accepted to fulfill the following prerequisite courses only: Calculus, Economics and Psychology.

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*Course Changes Effective Fall 2013:*

- BIOL 151 formerly course number BIOL 161, 5 Units
- BIOL 152 formerly course number BIOL 162, 5 Units
- CHEM 361 formerly course number CHEM 351, 3 Units
Math 191 formerly course number MATH 181, 4 Units