# Undergraduate Sample Program

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>BIO SCI 93 (4)</td>
<td>BIO SCI 94 (4)</td>
<td>CHEM 1C/1LC (7)</td>
</tr>
<tr>
<td></td>
<td>CHEM 1A (4)</td>
<td>CHEM 1B (4)</td>
<td>MATH 2A/B (4)</td>
</tr>
<tr>
<td></td>
<td>PHRMSCI 1 (1, P/NP)</td>
<td>WRITING 40/50/60 (4); or MATH 1B (4) or ALEKS</td>
<td>WRITING 40/50/60 (4)</td>
</tr>
<tr>
<td></td>
<td>GE (4)</td>
<td>GE</td>
<td>GE</td>
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<tr>
<th>Year 2</th>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
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<tbody>
<tr>
<td></td>
<td>BIO SCI 97 (4)</td>
<td>BIO SCI 98 (4)</td>
<td>BIO SCI 99 (4)</td>
</tr>
<tr>
<td></td>
<td>CHEM 1A/1LD (7)</td>
<td>CHEM 51B/51LB (7)</td>
<td>CHEM 51C/1LC (7)</td>
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<tr>
<td></td>
<td>PHRMSCI 42 (2)</td>
<td>GE</td>
<td>PHRMSCI 3 (1, P/NP)</td>
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<thead>
<tr>
<th>Year 3</th>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
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<tbody>
<tr>
<td></td>
<td>BIO SCI E109 (4)</td>
<td>PHYSICS 3A (4)</td>
<td>PHRMSCI 170A (4)</td>
</tr>
<tr>
<td></td>
<td>PHYSICS 3A (4)</td>
<td>PHYSICS 3B (4)</td>
<td>PHYSICS 3C (4)</td>
</tr>
<tr>
<td></td>
<td>BIO SCI 100 (3, P/NP)</td>
<td>GE</td>
<td>PHRMSCI 170B (4)</td>
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<tr>
<td></td>
<td>CHEM 51LD (3)</td>
<td>GE/Upper-Division Elective #1</td>
<td>PHRMSCI 173 (4)</td>
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<tr>
<th>Year 4</th>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
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<tbody>
<tr>
<td></td>
<td>PHRMSCI 171 (4)</td>
<td>PHRMSCI 172 (2, P/NP)</td>
<td>PHRMSCI 76 (2)</td>
</tr>
<tr>
<td></td>
<td>PHRMSCI 174, 174L (7)</td>
<td>PHRMSCI 177, 177L (7)</td>
<td>GE/Upper-Division Elective #2</td>
</tr>
</tbody>
</table>

### Bolded courses MUST be taken in the indicated quarter/year.

#### Upper Division Electives
8 units required  
Courses Range from 2-6 Units

**Pharmaceutical Sciences**  
- 120L, 122L, 142, 155, 163, 175, 179

**Biological Sciences**  
- D103, D104, D111L, D136, D145, D148, **D170**  
- E112L, E136, E139, E142  
- M114, M114L, M116L, **M118L, M122**, M123, M124A, M124B, M124L, M125, M137, M143, M144  
- N110, N113L, N153, N154

**Chemistry**  
- 107, 107L, 125, 128, 128L, 138, 156, 160

**Public Health**  
- 121, 135, 147

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### PharmD Common Pre-Requisites
Each health professional school has their own set of pre-reqs. Visit each program's website for their list of required courses. *This list is not exhaustive.*

#### General Education Courses
- Cultural Anthropology: Anthro 2A (GE III & VIII)  
- Introduction to Psychology: Psych 7A (GE III)  
- Introduction to Sociology: Sociol 1 (GE III & VII)  
- Micro- or Macro-Economics: Econ 20A or 20B (GE III)

#### Elective Courses
- Professional Development and Careers: PhrmSci 3  
- Public Speaking: PhrmSci 90  
- Basic Statistics: Stats 7 (Math requirement)  
- Physics Labs: Physics 3LB and/or 3LC

#### Upper Division Elective Courses
- Physiology Lab: Bio Sci E112L OR PhrmSci 120L  
- Anatomy Lecture and Lab: Bio Sci D170  
- Microbiology Lecture: Bio Sci M122  
- Microbiology Lab: Bio Sci M118L OR PhrmSci 122L

*All of these courses may be completed at a Community College.*
I. University Requirements
☐ American History
☐ American Institutions

II. Graduation Requirements
☐ 180 units needed to graduate (168 GRADED units)
☐ 2.0 overall GPA
  • GPA in PhrmSci major at least a 2.0
  • Quarter you graduate at least a 2.0

III. General Education Requirements
☐ IGETC (Transfer Students Only)
☐ I. Writing
  • Lower Division: Writing 30, 40 & 50, depending upon placement
    * Writing 30 must be completed before Fall Year 2
    * Writing 50 must be completed before Fall Year 3
  • Upper Division: BioSci 100 + PhrmSci 174L + PhrmSci 177L
☐ II. Science and Technology
  * Completed through courses for the PharmSci major
☐ III: Social and Behavioral Sciences (3 courses needed)
☐ IV: Arts and Humanities (3 courses needed)
☐ V: Quantitative, Symbolic & Computational Reasoning
  * Completed through courses for the PharmSci major
☐ VI: Language Other than English (1 year needed)
  • Can be satisfied through level 3 of high school language
☐ VII: Multicultural Studies (1 course needed)
☐ VIII: International/Global Issues (1 course needed)

IV. PhrmSci Major Requirements
☐ General Biology
  • BioSci 93 & 94 (Taken during Year 1)
  • BioSci 97, 98 & 99 (Taken during Year 2)
☐ General Chemistry
  • Chem 1A, 1B, 1C & 1LC
    * Must be completed by end of Year 1
  • Chem 1LD
    * Must be completed by Fall Year 2
☐ Organic Chemistry
  • Chem 51A, 51B, 51LB, 51C & 51LC
    * Courses must be completed by end of Year 2
  • Chem 51LD (Fall or Summer of Year 3 or 4)
    * Can be taken anytime before graduation
☐ Math
  • Math 2A (pre-req/co-req for Physics 3A)
    * NOTE: Completing Math 1B, or passing the ALEKS exam with 80% is required to enroll in Math 2A: testingcenter.uci.edu
  • Math 2B (pre-req/co-req for Physics 3C)
  • Stats 7 or 8, or Math 2D or 3A (anytime by graduation)
☐ Physics
  • Physics 3A, 3B & 3C
    * NOTE: Physics 3A is a pre-req for 3B and 3C.
    Physics 3C is pre-req for PhrmSci 171
☐ Lower Division PhrmSci Requirements
  • PhrmSci 1 (Fall Year 1)
  • PhrmSci 42 (Fall Quarter & Summer Only)
  • PhrmSci 76 (Spring Quarter Only)
☐ Upper Division PhrmSci Requirements
  • BioSci 100 (pre-req: BioSci 99; offered ALL quarters)
  • BioSci E109 (pre-req: BioSci 99)
  • PhrmSci 170B (pre-req: PhrmSci 170A)
  • PhrmSci 172 (pre-reqs: BioSci 99 & Chem 51C)
  • PhrmSci 173 (pre-req/co-req: PhrmSci 170B)
  • PhrmSci 174 & 174L (pre-reqs: PhrmSci 170B & BioSci 100)
  • PhrmSci 177 & 177L (pre-reqs/co-reqs: Chem 51C, BioSci 98 & BioSci 100)
☐ Upper Division Electives
  • 8 units of electives needed
    * See front page for listing of all choices
    * Pre-reqs and units vary - check Schedule of Classes for up-to-date pre-reqs and units