

# Undergraduate Sample Program

	Fall	Winter	Spring	OPTIONAL: Summer
Year 1	<ul style="list-style-type: none"> <li><b>CHEM 1A (4)</b></li> <li><b>BIO SCI 93 / 93L (5)</b></li> <li><b>PHRMSCI 1 (1, P/NP)</b></li> <li>GE (4)</li> </ul>	<ul style="list-style-type: none"> <li><b>CHEM 1B (4)</b></li> <li><b>BIO SCI 94 / 94L (5)</b></li> <li>WRITING 40/50/60 (4) or MATH 1B (4)</li> </ul>	<ul style="list-style-type: none"> <li><b>CHEM 1C / 1LC (7)</b></li> <li>MATH 2A/B (4)</li> <li>WRITING 40/50/60 (4)</li> </ul> <i>Math 1B Not offered in Spring</i>	<ul style="list-style-type: none"> <li>BIO 98 / 99 (4)</li> <li>MATH 1B/2A/2B (4)</li> <li>CHEM 1LD (3)</li> <li>WR 40/50/60 (4)</li> </ul>
Year 2	<ul style="list-style-type: none"> <li><b>BIO SCI 97 (4)</b></li> <li><b>CHEM 51A / 1LD (7)</b></li> <li>PHRMSCI 42 (2)</li> </ul>	<ul style="list-style-type: none"> <li><b>BIO SCI 98 (4)</b></li> <li><b>CHEM 51B / 51LB (7)</b></li> <li>GE (4)</li> </ul>	<ul style="list-style-type: none"> <li><b>BIO SCI 99 (4)</b></li> <li><b>CHEM 51C / 51LC (7)</b></li> <li>PHRMSCI 3 (1, P/NP)</li> </ul>	<ul style="list-style-type: none"> <li>MATH 1B/2A/2B (4)</li> <li>PHYSICS 3A/3C (4)</li> <li>BIO M118L/M122</li> <li>PHRMSCI 90 (4)</li> </ul>
Year 3	<ul style="list-style-type: none"> <li><b>BIO SCI E109 (4)</b></li> <li>PHYSICS 3A (4)</li> <li>BIO SCI 100 (3, P/NP optional)</li> <li><b>CHEM 51LD (3)</b></li> </ul> <i>Fall &amp; summer only</i>	<ul style="list-style-type: none"> <li><b>PHRMSCI 170A (4)</b></li> <li>PHYSICS 3B (4)</li> <li>GE/Upper-Div Elective #1</li> </ul>	<ul style="list-style-type: none"> <li><b>PHRMSCI 170B (4)</b></li> <li>PHYSICS 3C (4)</li> <li>PHRMSCI 173 (4)</li> </ul> <i>Spring only</i>	<ul style="list-style-type: none"> <li>BIO M118L (5)</li> <li>BIO M122 (4)</li> <li>PHRMSCI 90 (4)</li> </ul>
Year 4	<ul style="list-style-type: none"> <li><b>PHRMSCI 171 (4)</b></li> <li><b>PHRMSCI 174 / 174L (7)</b></li> <li>PHRMSCI 172 (2, P/NP)</li> </ul> <i>Fall only</i>	<ul style="list-style-type: none"> <li>PHRMSCI 177 / 177L (7)</li> </ul> <i>Winter only</i> <ul style="list-style-type: none"> <li>STATS 7 or 8 (4)</li> <li>GE (4)</li> </ul>	<ul style="list-style-type: none"> <li>PHRMSCI 76 (2)</li> </ul> <i>Spring only</i> <ul style="list-style-type: none"> <li>GE/Upper-Div Elective #2</li> <li>GE (4)</li> </ul>	<ul style="list-style-type: none"> <li>Any last major requirements</li> </ul>

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

Summer courses are **OPTIONAL**.  
This is a list of recommended  
courses to select from each summer.

## 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, D124, D136, D145, D148, **D170**
- E112L**, E136, E139, E142, E183
- M114, M114L, M116L, **M118L, M122**, M123, M124A, M124B, M124L, M125, M137, M143, M144
- N110, N113L, N121, N131, N152, N153, N154, N156, N170

### Chemistry

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

### Biomedical Engineering

- 111

### Public Health

- 120, 135, 147, 170

## 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)
- Intro to Psychology: Psych 7A (GE III)
- Intro 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 (winter, spring, summer only)
- Basic Statistics: Stats 7 or 8 (Math requirement)
- One Physics Lab: Physics 3LB OR 3LC

### Upper Division Elective Courses

- Physio Lab: Bio E112L (4 units) or PhrmSci 120L (2 units)
- Anatomy: Bio E136 (Lec only) or Bio D170 (Lec and Lab)
- Microbio Lecture: Bio M122
- Microbio Lab: Bio M118L (5 units) OR PhrmSci 122L (3 units)

**All of these courses may be completed at a Community College.**

# Degree Requirements

## I. University Requirements

- ☐ American History
- ☐ American Institutions

## II. Graduation Requirements

- ☐ 180 units needed to graduate (168 GRADED units)
- ☐ 2.0 Cumulative GPA
  - 2.0 average GPA in all courses for the major
  - 2.0 term GPA the last quarter you graduate

## III. General Education Requirements

- ☐ IGETC (Transfer Students Only)
- ☐ I. Writing
  - Lower Division: Writing 40, 50, 60  
(Depending upon placement)
    - Writing 40 must be complete before Fall Year 2
    - Writing 60 must be complete 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 & 93L and 94 & 94L (taken Year 1)
  - BioSci 97, 98 & 99 (taken 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](http://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
- PhrmSci 76 (Spring Quarter Only)

### ☐ Upper Division PhrmSci Requirements

- BioSci 100
  - (pre-req: BioSci 99; offered ALL quarters)
- BioSci E109
  - (pre-req: BioSci 93 & Chem 1C)
- PhrmSci 170A
  - (pre-reqs/co-reqs: Chem 51C & BioSci E109)
- PhrmSci 170B
  - (pre-req: PhrmSci 170A)
- PhrmSci 171
  - (pre-reqs: Math 2B, Physics 3C, BioSci 99 & Chem 1C)
- PhrmSci 172
  - (pre-reqs: BioSci 99 & Chem 51C)
- PhrmSci 173
  - (pre-req/co-req: PhrmSci 170B)
- PhrmSci 174 & 174L
  - (pre-reqs: PhrmSci 170B; 174L also needs Bio 100)
- PhrmSci 177 & 177L
  - (pre-reqs: Chem 51C & BioSci 98; 177L also needs Bio 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