# Undergraduate Sample Program

## Fall
- **CHEM 1A (4)**
- **BIO SCI 93 / 93L (5)**
- **PHRMSCI 1 (1, P/NP)**
- **GE (4)**

## Winter
- **CHEM 1B (4)**
- **BIO SCI 94 / 94L (5)**
- **WRITING 40/50/60 (4) or MATH 1B (4)**

## Spring
- **CHEM 1C / 1LC (7)**
- **MATH 2A/B (4)**
- **WRITING 40/50/60 (4) or MATH 1B Not offered in Spring**

## OPTIONAL: Summer
- **BIO 98 / 99 (4)**
- **PHYSICS 3A/3C (4)**
- **BIO M118L/M122**
- **PHRMSCI 90 (4)**

## Year 2
- **BIO SCI 97 (4)**
- **CHEM 51A / 1LD (7)**
- **PHRMSCI 42 (2)**
- **BIO SCI 98 (4)**
- **CHEM 51B / 51LB (7)**
- **GE (4)**
- **BIO SCI 99 (4)**
- **CHEM 51C / 51LC (7)**
- **PHRMSCI 3 (1, P/NP)**

## Year 3
- **BIO SCI E109 (4)**
- **PHYSICS 3A (4)**
- **BIO SCI 100 (3, P/NP optional)**
- **CHEM 51LD (3)**
- **PHRMSCI 170A (4)**
- **PHYSICS 3B (4)**
- **GE/Upper-Div Elective #1**
- **PHRMSCI 170B (4)**
- **PHYSICS 3C (4)**
- **PHRMSCI 173 (4)**

## Year 4
- **PHRMSCI 171 (4)**
- **PHRMSCI 174 / 174L (7)**
- **PHRMSCI 172 (2, P/NP)**
- **PHRMSCI 177 / 177L (7)**
- **STATS 7 or 8 (4)**
- **GE (4)**
- **PHRMSCI 76 (2)**
- **Any last major requirements**

## 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, 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)
    o Writing 40 must be complete before Fall Year 2
    o 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
    o Courses must be completed by end of Year 2
  • Chem 51LD (Fall or Summer of Year 3 or 4)
    o Can be taken anytime before graduation

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

☐ Upper Division Electives
  • 8 units of electives needed
    o See front page for listing of all choices
    o Pre-reqs and units vary - check Schedule of Classes for up-to-date pre-reqs and units