

Pre-Pharmacy at Sewanee

Course requirements vary by program. These are general guidelines. Always research your schools' requirements and talk with your advisor. Below is a list of common pre-pharmacy courses and the semester(s) they have typically been offered. There is no guarantee they will be offered in these semesters in the future. This is simply historical information to help you plan. Always verify course offerings with each department.

Introductory Molecular Biology

☐ **BIOL 133: Intro Molecular Bio & Genetics**

Historical Availability

Every semester. Restricted to first & second years.

☐ **BIOL 233: Mol. Cell Bio** (prereq BIOL 133, coreq CHEM 120/122/150/152)

Every semester

Upper-Level Biology

Requirements vary. Take at least 2. It is better to take more than 2! Check your schools. Some require 2 semesters of molecular biology with lab AND additional courses such as microbiology, anatomy and physiology.

☐ **BIOL 223: Genetics** (prereq BIOL 133) **and/or BIOL 243: Molecular Methods** (prereqs BIOL 223/224/233 & CHEM 120/122/150/152)

BIOL 223 every semester. BIOL 243 typically Advent, sometimes also Easter.

☐ **BIOL 270: Human Anatomy** (prereq BIOL 133)

Advent semester

☐ **BIOL 314: Human Physiology** (prereq BIOL 233)

Easter semester

☐ **BIOL 340: Microbiology** (prereqs BIOL 133, CHEM 120/122/150/152/210, one of BIOL 213, 223, 224, 233, 243)

Varies, typically Advent semester.

Chemistry

Students new to general chemistry will take one of 2 paths: CHEM 121 & 122 or CHEM 150 & 152, depending on placement. Students who have already taken either 120 or 150 should continue to 152. CHEM 120 and 210 are no longer offered.

☐ **CHEM 121/120/150: Gen Chem I/Advanced Gen Chem**

Advent semester. CHEM 150 first years only.

☐ **CHEM 122/152: Gen Chem II/Advanced Gen Chem II**

Easter semester

CHEM 210 also fulfilled this requirement but is no longer offered.
(CHEM 122 prereq is CHEM 121, CHEM 152 prereq is CHEM 120/150)

☐ **CHEM 201: Organic Chemistry I** (prereq CHEM 120/150)

Advent semester

☐ **CHEM 202: Organic Chemistry II** (prereq CHEM 201)

Easter semester

Biochemistry

Only 26% of schools require biochemistry. Check whether lab is required.

☐ **BIOL/CHEM 307 & BIOL/CHEM 316** have labs, **BIOL/CHEM 317** no lab
(prereq for 307 is CHEM 202; prereqs for 317 are BIOL 233 & CHEM 201;
prereqs for 316 are BIOL 233, CHEM 201 and either BIOL 223 or 243)

BIOL/CHEM 307 Advent semester
BIOL/CHEM 316 Easter semester
BIOL/CHEM 317 Easter semester

Physics

55% of schools require physics; most of those require one semester but a handful require two.

☐ **PHYS 101 or 103**

Advent semester

English

Requirements vary. Fulfilling Sewanee's English requirement may satisfy this requirement.

☐ **ENGL 101: Literature & Composition**

Every semester

☐ **ENGL XXX, GFWI/HUMN XXX, GFWI**

Every semester

Mathematics/Statistics

Nearly all schools require math (typically calculus), and many require statistics.

☐ **MATH 101/102: Calculus** (prereq placement/MATH 101)

Every semester

☐ **STAT 204: Statistics**

Every semester

Public Speaking

☐ **RHET 101: Public Speaking**

Every semester.

Additional Courses

Some schools have other requirements, such as humanities or social sciences, including economics & PSYC 101.