

BIOLOGY: PRE-PHYSICIAN ASSISTANT OPTION

Bachelor of Science (BS)

This is a guide based on the 2026-2027 Undergraduate Bulletin and is subject to change. The time it takes to earn a degree will vary based on several factors such as dual enrollment, remediation, and summer enrollment. Students will meet with an academic advisor each semester and use Degree Works to monitor their individual progress.

CURRICULUM CHECKLIST

"Critical Courses" are **italicized and bolded**. Data shows that students who have completed this course in the first two years and have earned the noted grade are most likely to complete this program of study.

63-65 hour major – No minor required

Required Courses:

- ___ BY163 Evolution & Ecology (4)
- ___ BY173 Cell & Organismal Biology (4)
- ___ **BY283 Genetics (4)**
- ___ BY389 Career Development in Biology (2)
- ___ CH184 General Chemistry I Lab (1)
- ___ CH185 General Chemistry I (3)
- ___ MI101 Introduction to Microcomputer Applications (3)

Choose one math course:

- ___ MA116 Precalculus A (3)
- ___ MA137 Precalculus (5)
- ___ MA139 Applied Calculus (3)
- ___ MA140 Analytical Geometry & Calculus I (5)

Experiential Learning Requirement: 2 hours

- ___ BY580 Development of Instructional Materials (3)
- ___ BY582 Internship in Biology (1-3)
- ___ BY585 Biology Field Studies (1-6)
- ___ BY587 Experience in Museum Curation (1-3)
- ___ BY591 Biological Research (1-6)

Pre-Physician Assistant Option Required Courses:

- ___ BS113 Anatomy & Physiology I and Lab (4)
- ___ BS114 Anatomy & Physiology II and Lab (4)

Biology Electives - choose 12 Hours

- ___ BY prefix course with at least 9 hours at the 300 level (12)

OR

- ___ BS340 Microorganisms and Their Human Hosts (4)

AND

- ___ BY prefix with at least 8 hours at the 300 level (8)

Choose 12 hours:

- ___ BYxxx, EVxxx, GTxxx 300 level and above (12)

Non-Biology Requirements:

- ___ **CH186 General Chemistry II (3)**
- ___ CH187 General Chemistry II Lab (1)
- ___ CH341 Foundations of Organic Chemistry (4)
- ___ HL113 Medical Terminology (3)
- ___ MAxxx Additional math (for which MA116 is a prerequisite) (3)
- ___ PY220 Psychological Development Across the Lifespan (3)

General Education Requirements – some requirements may be

fulfilled by coursework in major program

- Social and Behavioral Sciences – 6 hours
- Constitution Requirement – 3 hours
- Written Communication – 6 hours
- Oral Communication – 3 hours
- Natural Sciences – 7 hours (from two disciplines, one to include a lab)
- Mathematics – 3 hours
- Humanities & Fine Arts – 9 hours (from at least two disciplines)
- Additional requirements – 5 hours (to include UI100* for native students)
- Civics examination

SAMPLE FOUR-YEAR PLAN

| | Fall Semester | | Spring Semester | |
|---|-------------------------------|--------------|--------------------------------|--------------|
| | Course # | Hrs | Course # | Hrs |
| FIRST YEAR | UI100* | 1 | BY173/073 | 4 |
| | BY163/063 | 4 | EN100 | 3 |
| | CH184/CH185 | 4 | CH186 | 3 |
| | MA116/137/139/140 | 3-5 | CH187 | 1 |
| | MI101 | 3 | Additional math | 3 |
| | | | General Education | 3 |
| | Total | 15-17 | Total | 17 |
| Milestone: achieve a target cumulative GPA of 3.2 | | | | |
| SECOND YEAR | BY283/083 | 4 | BY389 | 2 |
| | BS113/013 | 4 | BS113/014 | 4 |
| | CH341 | 4 | HL113 | 3 |
| | General Education | 3 | General Education | 3 |
| | | | General Education | 3 |
| | Total | 15 | Total | 15 |
| Milestone: achieve a target cumulative GPA of 3.2 | | | | |
| THIRD YEAR | Biology Elective or BS340/040 | 3-4 | Experiential Learning Course 2 | 2 |
| | PY220 | 3 | Biology Elective | 3 |
| | General Education | 3 | Biology Elective | 3 |
| | General Education | 3 | General Education | 3 |
| | General Education | 3 | Elective | 3 |
| | | Total | 15-16 | Total |
| Milestone: achieve a target cumulative GPA of 3.2 | | | | |
| FOURTH YEAR | Biology Elective | 3 | Elective | 3 |
| | Elective | 3 | Elective | 3 |
| | Elective | 3 | Elective | 3 |
| | Elective | 3 | Elective | 3 |
| | Elective | 3 | Elective | 2 |
| | | Total | 15 | Total |
| Milestone: achieve a target cumulative GPA of 3.2 | | | | |

A "Milestone" signifies a significant stage for a student in the completion of a degree.

*BI103 Preparation for Pre-Professionals: Getting Ready to Go Above and Beyond may be taken in lieu of UI100.

Degree requirements for all students: a minimum of 120 credit hours, completion of the General Education program, and completion of 39 senior division hours (300-599). Refer to the Undergraduate Bulletin or Degree Works for additional graduation requirements for your program.

A minimum 2.0 GPA in the major and overall are required to graduate with a BS degree.

Revised
5/14/2026

DEGREE MAP 2026-2027

