

# BIOLOGY AND SPANISH DOUBLE MAJOR

## *Why should I double major in Spanish and Biology?*

- **Medical & Healthcare Careers** – Many healthcare professionals work with Spanish-speaking patients, and being bilingual can improve communication, trust, and patient care.
- **Global Research & Fieldwork** – If you're interested in ecology, genetics, or microbiology, Spanish fluency can help you collaborate with scientists in Spanish-speaking countries.
- **Competitive Edge for Medical School** – Medical schools value cultural competency, and Spanish proficiency can make you stand out in applications.
- **Public Health & Policy** – Understanding Spanish can help you work in global health initiatives, epidemiology, or environmental policy, where language skills are crucial.

### **Year 1:**

#### **Fall Semester**

- BIOL 111 Introduction to Cell and Molecular Biology (3)
- BIOL 111L Introduction to Cell and Molecular Biology Lab (1)
- CHEM 111 Principles of Chemistry I (3)
- CHEM 111L Principles of Chemistry I Lab (1)
- MATH 120 Introductory Calculus (4)
- SPAN 202 Intermediate Spanish through Culture (3)

#### **Spring Semester**

- BIOL 112: Evolution, Form, and Function of Organisms (3)
- BIOL 112L: Evolution, Form, and Function of Organisms Lab (1)
- CHEM 112: Principles of Chemistry II (3)
- CHEM 112L: Principles of Chemistry II Lab (1)
- MATH 250: Statistical Methods I (3)
- SPAN 313 Writing and Grammar Skills through Culture (3)
- General Education Requirement (3)

### **Year 2:**

#### **Fall Semester**

- BIOL 211 or BIOL 213: Biodiversity, Ecology, and Conservation Biology (4)
- CHEM 231: Organic Chemistry I (3)
- CHEM 231L: Organic Chemistry Laboratory Techniques (1)
- PHYS 101 or PHYS 111: Introductory Physics I (3)
- PHYS 101L or PHYS 111L: Introductory Physics Lab (1)
- SPAN 314 Conversational Skills through Culture (3)
- General Education Course (3)

#### **Spring Semester**

- BIOL 305: Genetics (3)
- CHEM 232: Organic Chemistry II (3)
- CHEM 232L: Organic Synthesis and Analysis (1)
- PHYS 102 or PHYS 112: Introductory Physics II (3)
- PHYS 102L or PHYS 112L: Introductory Physics Lab (1)
- SPAN 320 Introduction to Textual Analysis (3)
- General Education Course (3)

### **Year 3:**

#### **Fall Semester**

- BIOL Elective (300-level or above, with lab) (4)
- BIOL Elective (300-level or above) (3)
- Additional Science Requirement (e.g., GEOL 103, CHEM 350, DATA 101) (3-4)
- General Education Course (3)
- SPAN 381 Introduction to Spanish Linguistics (3)

#### **Spring Semester**

- BIOL Elective (300-level or above, with lab) (4)
- BIOL Elective (300-level or above) (3)
- Additional Science Requirement (e.g., PHYS 105, MATH 350) (3-4)
- General Education Course (3)
- 2 SPAN Linguistics Electives (6)

### **Year 4:**

#### **Fall Semester**

- BIOL Elective (300-level or above, with lab) (4)
- BIOL Elective (300-level or above) (3)
- General Education Course (3)
- Elective or Research Project (3)
- 2 SPAN Literature Electives (6)

#### **Spring Semester**

- BIOL Elective (300-level or above, with lab) (4)
- BIOL Elective (300-level or above) (3)
- General Education Course (3)
- Elective or Internship (3)
- 2 SPAN Electives (6)