# Biological Sciences Major

## Requirements

The Department of Biological Sciences offers two undergraduate degrees: the bachelor of science (B.S.) and the bachelor of arts (B.A.). Beyond the chemistry, physics, and math requirements, majors must complete a minimum of nine courses in biology for a B.S. degree and seven for a B.A. degree. Lecture and lab courses must be taken concurrently.

The program of biology courses is structured in the following way:

### Biology Courses

#### Core Courses

Select one of the following sequences:

1. **Sequence 1:**
   - BISC 1403 & BISC 1413: Introductory Biology I and Introductory Biology Lab I
   - BISC 1404 & BISC 1414: Introductory Biology II and Introductory Biology Lab II

2. **Sequence 2:**
   - BISC 1401: Introduction to Biology I (Summer)
   - BISC 1402: Introduction to Biology II (Summer)

#### Distribution Courses

Select a minimum of two of the following:

- BISC 3221: Human Anatomy
- BISC 3231: Human Anatomy Lab
- BISC 3132: Human Physiology
- BISC 3142: Human Physiology Lab
- BISC 3521: Biochemistry
- BISC 3643: Microbiology
- BISC 3653: Microbiology Lab
- BISC 3752: Molecular Biology
- BISC 3754: Cell Biology

#### Chemistry Courses

- CHEM 1321: General Chemistry I
- CHEM 1322: General Chemistry II
- CHEM 1331: General Chemistry Lab I
- CHEM 1332: General Chemistry Lab II
- CHEM 2521: Organic Chemistry I
- CHEM 2522: Organic Chemistry II
- CHEM 2541: Organic Chemistry Lab I
- CHEM 2542: Organic Chemistry Lab II

#### Physics Courses

Select one of the following sequences:

1. **Sequence 1:**
   - PHYS 1701: Physics I
   - PHYS 1511: Physics I Lab

---

Update: 06-05-2020
Biological Sciences Major

PHYS 1701 Physics I
& PHYS 1511 and Physics I Lab

PHYS 1702 Physics II
& PHYS 1512 and Physics II Lab

Sequence 2:

PHYS 1501 General Physics I
& PHYS 1511 and Physics I Lab

PHYS 1502 General Physics II
& PHYS 1512 and Physics II Lab

C- is the minimum accepted grade for all courses in the biology major.
All majors must meet with their faculty adviser each semester prior to registration to have their course schedules approved.

The following courses are college Core Curriculum Life Science courses and are not applicable to the major:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BISC 1000</td>
<td>Life on the Planet Earth</td>
<td></td>
</tr>
<tr>
<td>BISC 1001</td>
<td>Human Biology</td>
<td></td>
</tr>
<tr>
<td>BISC 1002</td>
<td>Ecology: A Human Approach</td>
<td></td>
</tr>
<tr>
<td>BISC 1005</td>
<td>Aids: A Conspiracy of Cells</td>
<td></td>
</tr>
<tr>
<td>BISC 1008</td>
<td>The Finch, the Seed, and the Storm: Adventures in Contemporary Evolution</td>
<td></td>
</tr>
<tr>
<td>BISC 1010</td>
<td>Foundations of Biology</td>
<td></td>
</tr>
</tbody>
</table>

Biology majors are expected to take all of their required major courses at Fordham. Exceptions may be made on a case-by-case basis for certain rare and compelling reasons.

Availability

The major in biological sciences is available at Fordham College at Rose Hill. Students in Fordham School of Professional and Continuing Studies may major in biological sciences only if their schedules are sufficiently flexible to permit them to take day courses at the Rose Hill campus.

**Fordham College at Rose Hill students:** The requirements above are in addition to those of the Core Curriculum.

**Professional and Continuing Studies students:** The requirements above are in addition to those of the PCS Core Curriculum.

Updated: 06-05-2020