Curricular Structure: Biology and Biochemistry Majors at Stony Brook

**Discipline Foundational courses**

- **BIO 201** Fundamentals of Biology: Organisms to Ecosystems
- **BIO 202** Fundamentals of Biology: Molecular and Cellular Biology
- **BIO 203** Fundamentals of Biology: Cellular and Organ Physiology

**Biology**

- **BIO 204** Fundamentals of Scientific Inquiry in the Biological Sciences I
- **BIO 205** Fundamentals of Scientific Inquiry in the Biological Sciences IIA
- **BIO 207** Fundamentals of Scientific Inquiry in the Biological Sciences IIB

**3 BIO Lecture courses modular, any order**

**Math**

- Calculus 1
- Calculus 2

**Physics**

- Physics 1 (w/ Lab)
- Physics 2 (w/ Lab)

**Chemistry**

- General Chemistry 1
- General Chemistry 2
- Organic Chemistry 1
- Organic Chemistry 2

**Major / BIO Specialization**

- **BCH = Biochemistry**
- **BIO: Developmental Genetics**
- **BIO: Ecology and Evolution**
- **BIO: Environmental Biology**
- **BIO: Neuroscience**
- **BIO: Quant. Biology and Bioinformatics**
- **BIO: Interdisciplin. Biology**
- **BIO: Bioengineering**
- **BIO: Clinical Laboratory Science**

**2 semester sequential Introductory BIO Labs**

- **Fundamentals of Biology: Organisms to Ecosystems**
- **Fundamentals of Biology: Molecular and Cellular Biology**
- **Fundamentals of Biology: Cellular and Organ Physiology**

**Courses Interdisciplinary Biology Majors**

- Developmental Genetics
- Ecology and Evolution
- Environmental Biology
- Neuroscience
- Quantitative Biology and Bioinformatics
- Interdisciplinary Biology
- Bioengineering
- Clinical Laboratory Science