

Curricular Structure: Biology and Biochemistry Majors at Stony Brook

Discipline

Foundational courses



**Major /
BIO Specialization**

Biology

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

BIO 204
Fundamentals of Scientific
Inquiry in the Biological Sciences I

*2 semester sequential
Introductory BIO Labs*

*3 BIO Lecture courses
modular, any order*

BIO 205
Fundamentals of Scientific
Inquiry in the Biological Sciences IIA

BIO 207
Fundamentals of Scientific
Inquiry in the Biological Sciences IIB

BCH BS = Biochemistry

BIO BS: *Developmental Genetics*

BIO BS: *Ecology and Evolution*

BIO BS: *Environmental Biology*

BIO BS: *Neuroscience*

BIO BS: *Quant. Biology and Bioinformatics*

BIO BS: *Interdisciplinary Biology*

BIO BS: *Bioengineering*

Biology BA + Approved minor

Math

Calculus Semester 1

Calculus 2 (not required for BA)

Statistics (not required for BCH)

Physics

Physics 1 (with Lab)

Physics 2 (with Lab)

Chemistry

Gen. Chemistry Lab 1

Gen. Chemistry Lab 2

Organic Chemistry Lab

General Chemistry 1

General Chemistry 2

Organic Chemistry 1

Organic Chemistry 2