

Biotechnology High School Course Sequence

Grade 9

Biology-Genetics
Chemistry
Intro to Computer Science
English I
Health-Fitness I

Geometry or Algebra II-Trig
Intro to Research
Spanish I or II
World Cultures

Grade 10

Algebra II-Trig or Precalculus-Stats
Biotech Lab Skills
Explorations in Economics
English II

Health-Fitness II
Physics
Molecular-Agricultural Biotechnology
Spanish II or III
US History I

Grade 11

Creativity, Action, Service
IB Biology HL I
IB Language and Literature HL I
IB History SL
Precalculus-Stats or IB Math SL

IB Physics HL I or IB Chemistry HL I
Spanish III or IB Spanish SL
Theory of Knowledge I
Electives

Grade 12

Creativity, Action, Service
Extended Essay (Senior Thesis)
IB Biology HL II
IB Language and Literature HL II
IB Math SL or AP Calculus AB/BC

IB Physics HL II or IB Chemistry HL II
IB Spanish SL
Leadership, Exercise, & Personal Growth (LEAP)
Senior Internship
Theory of Knowledge II
Electives

Elective Courses

Advanced Experimental Design
Anatomy and Physiology
AP Computer Science A
AP Spanish Language & Culture
BioEngineering
BioMedical Engineering
Business Communication (Public Speaking)

Cell Culture and Molecular Biology Techniques
Developmental Biology
Forensic Analysis
Intro to Computer Science
Intro to Film & Media
Genomics, Proteomics, and Bioinformatics
Neuroscience and Biopsychology

+ Visual & Performing Arts Option II Graduation Requirement