

Biotechnology High School Course Sequence

Grade 9

Biology/Genetics
Chemistry
Digital Literacy
English I
Health/Fitness I

Geometry or Algebra II/Trig
Intro to Experimental Design
Spanish I or II
World Cultures

Grade 10

Algebra II/Trig or IB Math SL I
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 (CAS) 75 hours
IB Biology HL I
IB Language and Literature HL I
IB History SL/TOK
IB Math SL I or IB Math SL II

IB Physics HL I or IB Chemistry HL I
Leadership, Exercise & Personal Growth (LEAP) I
Spanish III or IB Spanish SL
Electives

Grade 12

CAS (75 hours)
Extended Essay (EE) Senior Thesis
IB Biology HL II
IB Language and Literature HL II
IB Math SL II or AP Calculus AB/BC

IB Physics HL II or IB Chemistry HL II
IB Spanish SL
LEAP II
Senior Internship
Theory of Knowledge (TOK)
Electives

Elective Courses

Advanced Experimental Design
Anatomy and Physiology
AP Computer Science A
BioEngineering
BioMedical Engineering
Business Communication (Public Speaking)
Cell Culture and Molecular Biology Techniques

Developmental Biology
Environmental Biotechnology
Forensic Analysis
Introduction to Film & Media
Genomics, Proteomics and Bioinformatics
Neuroscience and Biopsychology

+ Visual & Performing Arts Option II Graduation Requirement