

BIOLOGY B.S. WITH A CONCENTRATION IN BIOMEDICAL

Four Year Plan

Disclaimer: This sample Four Year Plan is provided as a guide for the recommended sequencing of courses. Vanguard University requires that students complete a minimum of 120 units of required course work as outlined on the Requirements tab in order to receive a Bachelor of Arts, Bachelor of Music, Bachelor of Science, or Bachelor of Science in Nursing degree. It is the student's responsibility to confirm with the department the course rotation before enrolling in courses. If applicable, please note the footnotes at the bottom of the page for additional information related to courses listed in a particular year and term. Questions, contact the Department of Biological Sciences.

Course	Title	Units
Year 1 Term 1		
CORE-100C	Cornerstone	1
BIOL-111	Principles of Cell and Molecular Biology	3
BIOL-111L	Principles of Biology Lab, Principles of Cell/ Molecular Biology Lab	1
CHEM-120	General Chemistry I	3
CHEM-120L	General Chemistry I Lab	1
NT-101C	New Testament Survey	3
ENGL-120C	Persuasive Writing	3
Units		15
Year 1 Term 2		
BIOL-112	Principles of Organismal Biology	3
BIOL-112L	Principles of Organismal Biology Lab	1
CHEM-121	General Chemistry II	3
CHEM-121L	General Chemistry II Lab	1
PSYC-103C	Introduction to Psychology	3
KINE-146C	Lifetime Fitness/Well Activity	1
FINA-PLCR	Fine Arts Core Curriculum Requirement	3
Units		15
Year 2 Term 1		
BIOL-220	Cell Biology	3
BIOL-220L	Cell Biology Lab	1
CHEM-304	Organic Chemistry I	3
CHEM-304L	Organic Chemistry Techniques I	1
ENGL-220C	Researched Writing	3
THEO-PLHD	Theology Core Requirement	3
KINE-145C	Lifetime Fitness/Wellness Lect	1
Units		15
Year 2 Term 2		
MATH-180C	Calculus 1	4
CHEM-305	Organic Chemistry II	3

CHEM-305L	Organic Chemistry Technqs II	1
OT-201C	Old Testament Survey	3
BIOL-PLHD4	Biology Elective	4
HIST-PLCR1	History Core Requirement (US History)	3
Units		18

Year 3 Term 1

BIOL-302	Comparative Vertebrate Anatomy	3
BIOL-302L	Comp Vertebrate Anatomy Lab	1
PSCI-223C	Mechanics of Solids and Fluids	3
PSCI-223CL	Mechanics of Solids and Fluids Lab	1
MATH-181C	Calculus II	4
SOC-PLCR	Social Science Core Curriculum Req'm't	3

Units 15

Year 3 Term 2

THEO-300C	Developing a Christian World View	3
PSCI-225	Electricity and Magnetism	3
PSCI-225L	Electricity and Magnetsm Lab	1
BIOL-311	Genetics	3
BIOL-311L	Genetics Laboratory	1
BIOL-PLHD4	Biology Elective	4

Units 15

Year 4 Term 1

BIOL-309	Microbiology	3
BIOL-309L	Microbiology Laboratory	1
ENGL-220C	Researched Writing	3
CHEM-430	Biochemistry	3
CHEM-430L	Experimental Tech/Biochemistry	1
HIST-PLCR2	History Core Requirement (World Civ)	3

Units 14

Year 4 Term 2

BIOL-PLHD4	Biology Elective	4
BIOL-348C	Coastal Ecology	4
BIOL-499C	Capstone Seminar in Biology	2
COMM-201C	Speech Composition and Presentation	3
CHIS-400C	Christian Heritage	3

Units 16

Total Units 123

