

BIOLOGY B.S. WITH A CONCENTRATION IN NEUROBIOLOGY

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
ENGL-120C	Persuasive Writing	3
NT-101C	New Testament Survey	3
CHEM-120	General Chemistry I	3
CHEM-120L	General Chemistry I Lab	1
Units		15
Year 1 Term 2		
BIOL-112	Principles of Organismal Biology	3
BIOL-112L	Principles of Organismal Biology Lab	1
HIST-PLCR1	History Core Requirement (US History)	3
CHEM-121	General Chemistry II	3
CHEM-121L	General Chemistry II Lab	1
PSYC-103C	Introduction to Psychology	3
Units		14
Year 2 Term 1		
BIOL-220	Cell Biology	3
BIOL-220L	Cell Biology Lab	1
ENGL-220C	Researched Writing	3
OT-201C	Old Testament Survey	3
BIOL-432	Neuroscience	3
BIOL-432L	Neuroscience Lab	1
Units		14
Year 2 Term 2		
BIOL-311	Genetics	3
BIOL-311L	Genetics Laboratory	1
THEO-PLHD	Theology Core Requirement	3
HIST-PLCR2	History Core Requirement (World Civ)	3

MATH-180C	Calculus 1	4
Units		14
Year 3 Term 1		
BIOL-440	Molecular Biology	3
BIOL-440L	Techniques in Molecular Biology	1
PSCI-PLGP1	Physics 1 Requirement	4
CHEM-304	Organic Chemistry I	3
CHEM-304L	Organic Chemistry Techniques I	1
BIOL-404	Neuropharmacology	3
Units		15
Year 3 Term 2		
BIOL-PLECO	Ecology Requirement	4
COMM-201C	Speech Composition and Presentation	3
PSCI-PLGP2	Physics 2 Requirement	4
BIOL-485	Undergrad Biological Research	1-4
KINE-145C	Lifetime Fitness/Wellness Lect	1
BIOL-PLHD4	Biology Elective	4
Units		17-20
Year 4 Term 1		
THEO-300C	Developing a Christian World View	3
FINA-PLCR	Fine Arts Core Curriculum Requirement	3
BIOL-PLHD4	Biology Elective	4
SOC-PLHD2	Social Science Requirement	3
BIOL-309	Microbiology	3
BIOL-309L	Microbiology Laboratory	1
Units		17
Year 4 Term 2		
BIOL-499C	Capstone Seminar in Biology	2
BIOL-365	Neurobiology of Learning and Memory	3
BIOL-365L	Neurobiology of Learning/Memory Lab	1
CHIS-400C	Christian Heritage	3
ENGL-230C	Literature and the Human Experience	3
KINE-146C	Lifetime Fitness/Well Activity	1
Units		13
Total Units		119-122

