

# NEUROSCIENCE, BACHELOR OF SCIENCE - CONCENTRATION IN NEUROBIOLOGY - NENB

Code	Title	Credits
<b>Core Courses</b>		
NEUR 185	First-Year Seminar: I like brains	1
PSYC 156	Introduction to Psychology: Culture and Systems	3
or PSYC 157	Introduction to Psychology: Science for the Citizen	
BIO 155 & 155L	Foundations of Molecular Biology and Foundations of Molecular Biology Laboratory	2
BIO 156 & 156L	Foundations of Ecology and Evolution and Foundations of Ecology and Evolution Laboratory	2
BIO 157 & 157L	Foundations of Cellular Biology and Foundations of Cellular Biology Laboratory	2
BIO 158 & 158L	Foundations of Form and Function and Foundations of Cellular Biology Laboratory	2
BIO 235 & 235L	Foundations of Neuroscience and Foundations of Neuroscience Laboratory	4
PSYC 234 & 234L	Neuropsychology and Neuropsychology Laboratory	4
BIO 385	Introduction to Research	2
or NEUR 385	Neuroscience Research Seminar	
NEUR 485	Neuroscience-Senior Research	3
or BIO 485	Research in Biology	
<b>Required Supporting Courses</b>		
Select one of the following MATH sequences for 2-3 semesters. For students who could use College calculus prep to excel in later courses MATH 103 Precalculus. For calculus ready students, select one of the following sequences for two semesters. Based on Math Placement Test, Calculus prep, and grad degree plans.		7-8
MATH 133 & MATH 214	Theory and Application of Calculus and Introduction to Statistics	
MATH 131 & MATH 132	Calculus I and Calculus II	
MATH 113 & MATH 214	Survey of Calculus and Introduction to Statistics	
Note: Students should take option 1 or 2 if they like Math or are interested in Pharmacy, Optometry, DMD, DDS, MD/DO, DVM, some MS or PhD programs, or pursuing a Major to Chemistry (including Biochemistry), Physics, or Math. Option 3 is acceptable for MD/DO, PA, PT, OT, DVM, and some Biology MS or PhD programs and most Neurobiology graduate programs.		
PHYS 111 & 111L	College Physics I: Mechanics and Waves and College Physics I Laboratory	8
& PHYS 112 & PHYS 112L	and College Physics II: Temperature, Electricity, and Light and College Physics II Lab	

PHYS 122 & 122L & PHYS 121 & PHYS 121L	General Physics II: Temperature, Electricity, and Light and General Physics II Laboratory and General Physics I: Mechanics and Waves and General Physics I Lab	
CHEM 121 & 121L	Principles of Chemistry I and Principles of Chemistry I Laboratory	4
CHEM 122 & 122L	Principles of Chemistry II and Principles of Chemistry II Laboratory	4
CHEM 221 & 221L	Organic Chemistry I and Organic Chemistry I Laboratory	4
BIO 221 & 221L	Introduction to Genetics and Introduction to Genetics Laboratory	4
<b>Electives</b>		<b>6-7</b>
Electives Group A: One of the following:		
NEUR 335	Developmental Neurobiology	
Electives Group B: One of the following:		
BIO 232 & 232L	Animal Behavior and Animal Behavior Laboratory	
CHEM 324	Biochemistry	
or BIO 230 & 230L	Molecular Cell Biology and Molecular Cell Biology Laboratory	
CPSC 207	Computer Programming	
PSYC 326	Abnormal Psychology	
<b>Neuroscience Connections</b>		
One of the following:		3
ART 103	Design Lab	
ART 218	Modeling and Replication	
BIO 240	Cats' Paws and Catapults: Animal Biomechanics	
GERO 320	Alzheimer's Disease and Related Dementias	
HUST 103	Lives and Times	
PHIL 110	Introductory Philosophy	
PHIL 255	Medical Ethics	
PHIL 341	Mind, Knowledge, and Reality	
PSYC 223	Psychology of Personality	
PSYC 365	Learning and Memory	
PSYC 448	Hormones and Behavior	
SLP 220	Introduction to Communicative Disorders	
SLP 230	Anatomy and Physiology of the Speech and Hearing Mechanism	
SLP 330	Speech and Hearing Sciences	
THTR 355	Voice and Movement	

**Total Credits** **65-67**

or