B.S. IN NEUROSCIENCE

Code	Title	Credits
Major in Neuroscience (B.S.)		
Neuroscience Core		
BIO/NSC 358	Neurobiology	3
BIO/NSC 359	Neurobiology Lab	1
CHE 113 & CHE 113D	General Chemistry I and General Chemistry I Lab	4
CHE 214 & CHE 215	General Chemistry II and General Chemistry II Lab	4
CHE 224 & CHE 225	Organic Chemistry I and Organic Chemistry I Lab	4
MAT 123M	Precalculus [10]	3
NSC 130 & NSC 130D	Introduction to Neuroscience and Intro to Neuroscience Lab	4
NSC 350 & NSC 351	Neuroscience Methods and Neuroscience Methods Lab	4
NSC 493	Literature Review in Neuroscience	1
NSC 496	Neuroscience Research	1
NSC 499	Neuroscience Seminar	1
PSY 355	Research Principles and Laboratory	4
Fundamentals of Psychology Courses		
PSY 100	Introduction to Psychology	3
PSY 230M	Introduction to Statistical Methods and Experimental Design	4
Fundamentals of Biology Courses		
BIO 124 & BIO 124D	Integrative Biology: Genes, Cells, Change and Integrative Biology: Genes, Cells, Change Lab	4
BIO 128 & BIO 128D	Integrative Biology: Metabolism, Energy, Biodiversity and Integrative Biology: Metabolism, Energy, Biodiversity Lab	4
Choose one or both Mathematics courses:		**4-8**
MAT 124M	Calculus 1	
MAT 125	Calculus 2 [1]	
Choose two courses from Biology and Biochemistry, at least one of which must be 300-level or above:		**8**
BIO 214 & BIO 215	Human Anatomy and Human Anatomy Lab	
BIO 216 & BIO 217	Human Physiology and Human Physiology Lab [5]	
BIO 238 & BIO 239	Human Anatomy and Physiology and Human Anatomy and Physiology Lab [5]	
BIO 332 & BIO 333	Genetics and Genetics Lab [8]	
BIO 338 & BIO 339	Endocrinology and Endocrinology Lab	
BIO 346 & BIO 347	Animal Behavior and Animal Behavior Lab [11]	

BIO 354 & BIO 355	Cell Biology and Cell Biology Lab [2]	
BIO 362 & BIO 363	Developmental Biology and Developmental Biology Lab	
BIO 376 & BIO 377	Animal Physiology and Animal Physiology Lab	
BIO 396 & BIO 397	Molecular Biology and Molecular Biology Lab [2, 7]	
CHE 304 & CHE 397	Essentials of Biochemistry and Biochemistry II Lab [9]	
CHE 388 & CHE 389	Biochemistry I and Biochemistry I Lab [6]	
Choose one Psychology course:		**3-4**
PSY 323	Motivation and Emotion	
PSY 348 & PSY 349	Conditioning and Learning and Conditioning and Learning Lab	
PSY 350	Cognitive Psychology	
PSY 440 & PSY 441	Sensation and Perception and Sensation and Perception Lab	
Choose one Computer Science course:		**3-4**
COS 100	Introduction to Programming	
COS 105	Object-oriented Design and Programming [3]	
COS 205	Scientific Computing [4]	
Choose one Physics sequence:		**8**
PHY 202 & PHY 202D	Introductory Physics I and Introductory Physics I Lab	
PHY 206 & PHY 207	Introductory Physics II and Introductory Physics II Lab	
Or		
PHY 292 & PHY 292D	General Physics I and General Physics I Lab [4]	
PHY 296 & PHY 297	General Physics II and General Physics II Lab [12]	

Code	Title	Credits
Major		75-81
General Education		40-41
Electives		1-6
Total Credits		**122**

1 MAT 124M is a prerequisite for PHY 292/PHY 292D.
2 This is a designated research course.
3 COS 100 or COS 205 is a prerequisite for this course.
4 MAT 124M is a prerequisite for this course.
5 BIO 104/BIO 104D, BIO 120/BIO 120D, or BIO 218 is a prerequisite for this course.
6 CHE 226/CHE 227 is a prerequisite for this course.
7 BIO 332/BIO 333 and CHE 226/CHE 227 are prerequisites for this course.
8 BIO 120/BIO 120D or BIO 218 is a prerequisite for this course.
9 Students requiring CHE 397 for their degree will require an override to take this course concurrently with CHE 304.

[10] Students may test out of this course based on thier performance on the Math and Computer Science department placement exam.
[11] This course carries cross credit in psychological science.
[12] MAT 125 is a prerequisite for this course.
Courses whose number is followed by a letter fulfill a General Education requirement.