

B.S. IN NEUROSCIENCE CHECKLIST

For Catalog Years 2013-2014

Total Credits in Major: 54

Total Credits to Graduate: 124 (minimum GPA: 2.0)

<https://www.psych.udel.edu/undergraduate/advisement>

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University Requirements	Credits	Completed
English 110 (need a C-)	3	
Multicultural Course (need a D-)	3	
First Year Experience	1	
Discovery Learning Experience	3	
University Breadth Requirements*	Credits	Completed
Group A: Creative Arts and Humanities	3	
Group B: History and Cultural Change	3	
Group C: Social and Behavioral Sciences	3	
Group D: Mathematics, Natural Sciences, & Technology	3	

*Need at least a C- (may NOT be taken pass/fail). University Breadth courses must be taken from four different subject areas. Students with ONE major may NOT satisfy these with courses from their major area.

College of A&S Requirements	Credits	Completed
Second Writing Course (Need at least a C-; must have completed 60 credits first; <i>section-specific</i>)	3	
Foreign Language (Need at least a D-; must complete the intermediate level: 107 or 112 or 214, depending on the language)	0-12	
Math (need at least a D-; MATH 115, 117, 221, or 241 are the prereqs for PHYS201/202)	3	
A&S Breadth Requirements**	Credits	Completed
Group A: Creative Arts and Humanities		
1	3	
2	3	
Group B: History and Cultural Change		
1	3	
2	3	
Group C: Social and Behavioral Sciences		
1	3	
2	3	
Group D: Mathematics, Natural Sciences, & Technology: Fulfilled with B.S. Requirements		

**Need at least a C- (may NOT be taken pass/fail). Courses may count for both University and A&S breadth requirements when a course satisfies both lists: <http://www.cas.udel.edu/uas/academic-planning/Pages/breadth.aspx>

Psychology Requirements	Credits	Completed (need at least a C-)
Required entry level courses:		
NSCI100 Psychological and Brain Sciences or PSYC100: General Psychology	3	
PSYC209: Measurement & Statistics (prereq: MATH114, 115, 221 or 241)	3	
Core Competencies: Take two of the following. Prerequisites are PSYC/NSCI100 and PSYC209	6	
PSYC310: Sensation and Perception		PSYC428: Nature vs. Nurture
PSYC312: Learning and Motivation		NSCI431: Stress and the Brain
PSYC340: Cognition		PSYC431: Hormones and Behavior
NSCI414: Drugs and the Brain		NSCI433: Cognitive Neuroscience

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Neuroscience Requirements	Credits	Completed (need at least a C-)
NSCI320: Introduction to Neuroscience (prereq: PSYC100 or NSCI100)	3	
Take one of the following: (prereq NSCI320)		
NSCI626: Advanced Neuroanatomy	3	
NSCI627: Advanced Neurophysiology	3	
NSCI628: Advanced Neuropharmacology	3	
Take one of the following (3cr): NSCI courses numbered 634 and higher may also fulfill this requirement. Contact Dr. Eric Roth for details.		
NSCI629: Integrative Neuroscience I	NSCI634: Stress and the Brain	
NSCI630: Integrative Neuroscience II	NSCI635: Neuroplasticity	
NSCI631: Current Topics in Neuroscience	NSCI636: Spatial Cognition	
NSCI/BISC639: Developmental Neurobiology	...or another NSCI course numbered 629 to 643, including NSCI667	
Biology Requirements	Credits	Completed (need at least a C-)
BISC207: Introductory Biology I (coreq: CHEM103)	4	
BISC208: Introductory Biology II (coreq: CHEM104)	4	
BISC403: Genetics & Evolutionary Biology (prereq: CHEM321 or 213)	3	
One of these courses	3	
BISC305: Cell Physiology (prereq: BISC208 and two semesters of CHEM)		
BISC306: General Physiology (prereq: BISC208 and two semesters of CHEM)		
BISC401: Molecular Biology of the Cell (prereq: BISC207 and CHEM321 or 213)		
One of these advanced labs (Labs fulfill DLE)	3	
BISC315: Experimental Cell Physiology (prereq: BISC305)		
BISC316: Experimental Physiology (prereq: BISC306)		
BISC411: Experimental Molecular Bio of the Cell (prereq: BISC401)		
BISC413: Advanced Genetics Laboratory (prereq: BISC403)		
Related Science Requirements	Credits	Completed (need at least a C-)
PHYS201/202: General Physics I & II (prereq: MATH114, 115, 221, or 241)	8	
CHEM103/104: General Chemistry I & II (coreq: MATH114 or higher)	8	
CHEM321 or CHEM213: Not specifically required for NSCI, but one of these is a prereq for BISC403 and 401	4/3	

If you are premed, visit these websites for additional resources and recommended courses:

- Department of Biological Sciences: <http://www.bio.udel.edu/medical-and-dental-careers>
- Center for Premedical and Health Profession Studies: <http://www.udel.edu/premed/>