

B.S. IN NEUROSCIENCE CHECKLIST

For Catalog Year 2020 and later

University Requirements	Credits	Completed?
English 110 (need a C-)	3	
Multicultural Course (need a D-)	3	
First Year Experience	1	
Discovery Learning Experience	3	
Capstone Experience (new requirement for students entering UD in Fall 2017)	1+	
<i>University Breadth Requirements*</i>	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 202 (renumbered from 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; premed students are encouraged to take MATH 221)	3	
<i>A&S Breadth Requirements**</i>	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- in each course (may NOT be taken pass/fail). Courses may count for both University and A&S breadth requirements when a course satisfies both.

Neuroscience Major Requirements	Credits	Completed? (need at least a C-)
<i>Biology: Take both</i>		
BISC207: Introductory Biology I (coreq: CHEM103/133 or 107)	4	
BISC208: Introductory Biology II (coreq: CHEM104/134 or 108)	4	
<i>Related Sciences: Take all four</i>		
PHYS201: General Physics I	4	
PHYS202: General Physics II	4	
CHEM103 (3 credits) and CHEM133 (1-credit lab) or 107: General Chemistry I	4	
CHEM104 (3 credits) and CHEM134 (1-credit lab) or 108: General Chemistry II	4	

Neuroscience Requirements (continued)	Credits	Completed? (need at least a C-)
Neuroscience		
PSYC100: General Psychology <i>or</i> NSCI100: Psychological and Brain Sciences	3	
PSYC209: Measurement and Statistics	3	
NSCI320: Introduction to Neuroscience	3	
Core Courses (Group A): Select three from the following	9	
NSCI426: Advanced Neuroanatomy		NSCI430: Integrative Neuroscience II
NSCI427: Advanced Neurophysiology		NSCI433: Cognitive Neuroscience
NSCI428: Advanced Neuropharmacology		NSCI438: Clinical Neuroscience
NSCI429: Integrative Neuroscience I		NSCI442: Social Neuroscience
Free Electives*: Select four from the following	12	
PSYC310: Sensation and Perception		NSCI435: Hormones and Behavior
PSYC312: Learning and Motivation		NSCI436: Nature vs Nurture
PSYC340: Cognition		NSCI468: Research
NSCI368: Research		BISC439: Developmental Neurobiology
*Includes any addition NSCI course from the Core Courses (Group A) list.		
*Includes any other NSCI 200-400 level course.		
*Includes up to three of the following BISC courses:		
BISC305: Cell Physiology		BISC315: Experimental Cell Physiology
BISC306: General Physiology		BISC316: Experimental Physiology
BISC401: Molecular Biology of the Cell		BISC411: Experimental Molecular Bio of the Cell
BISC403: Genetics and Evolutionary Biology		BISC413: Advanced Genetics Laboratory
<i>Please make sure you check the prerequisites for each of these BISC courses when planning your schedules. For example, BISC403 requires BISC207 and one semester of organic chemistry.</i>		

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

- Department of Biological Sciences: <https://www.bio.udel.edu/undergraduate/medical-and-dental-careers-hpec>
- Center for Premedical and Health Profession Studies: <https://sites.udel.edu/healthpro/>

Total credits in the Neuroscience B.S. major: 54

Total credits to graduate: minimum 124 with a GPA of 2.0

Got questions? Contact Ms. Alex Shaw for advisement:

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