

BSA-Biological Sciences, Neurobiology

Fall 2023

Bachelor of Science and Arts (BSA)

Mellon College of Science (MCS) Concentrations

Biological Sciences **114 units minimum**

Advisor: Amanda M Willard, DH 1321, 412-268-3626
awillard@cmu.edu

Biological Sciences Required Courses **96 units**

03-201	Undergrad. Colloquium for Sophomores	2
03-220	Genetics (Fall, Sophomore year)	9
03-231	Honors Biochemistry (Spring, Sophomore year)	9
03-320	Cell Biology (Fall, Junior year)	9
03-343	Experimental Techniques in Molecular Biology (Fall, Junior year)	12
09-106	Modern Chemistry II	10
09-207	Techniques in Quantitative Analysis	9
09-208	Techniques for Organic Synthesis and Analysis	9
or 03-344	Experimental Biochemistry (12)	
or 03-345	Experimental Cell and Developmental Biology (12)	
or 03-346	Experimental Neuroscience (12)	
09-217	Organic Chemistry I	9
09-218	Organic Chemistry II	9
33-122	Physics II for Bio. Sciences and Chemistry Students	9

Biological Sciences Electives (2 courses) **18 units**

One course must be an advanced elective selected from 03-3xx or higher, excluding 03-445 and 03-545.

Neurobiology **114 units minimum**

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Neurobiology Required Courses **96 units**

03-161	Molecules to Mind	9
or 85-219	Biological Foundations of Behavior	
03-201	Undergraduate Colloquium for Sophomores	2
03-220	Genetics (Fall, Sophomore year)	9
03-231	Honors Biochemistry (Spring, Sophomore year)	9
03-320	Cell Biology (Fall, Junior year)	9
03-342	Introduction to Biological Laboratory Practices (Fall, Junior year)	1
03-343	Experimental Techniques in Molecular Biology (Fall, Junior year)	12
03-362	Cellular Neuroscience	9
03-363	Systems Neuroscience	9
09-217	Organic Chemistry I	9
33-122	Physics II for Bio. Sciences and Chemistry Students	9
85-211	Cognitive Psychology	9

Neurobiology Electives (2 courses) **18 units**

One course must be an advanced elective selected from 03-3xx or higher.

BSA Free Electives

Take any Carnegie Mellon course. A maximum of 9 units of physical education and/or military science may be counted toward this requirement.