

Neuroscience Curriculum (2020-2021)

Bachelor of Science (BS) Degree – Area in Neuroscience

Components of Degree Requirement

General Education	36
Area Requirements	53
General Electives	31
TOTAL PROGRAM REQUIREMENTS	120 cr

General Education

[PSY 499C* - Systems and Theories] *Senior Neuroscience capstone, last semester at MSU

General Education Total **36 cr**

Refer to the General Education section for a complete listing of general education requirements for the University

Neuroscience Area Requirements

Area Core Requirements 21 cr

NEUR 121	Introduction to Brain and Behavior	3
NEUR 223	Brain Development and Sex Differences	3
PSY 281/281L	Experimental Design and Analysis I	3
PSY 282/282L	Experimental Design and Analysis II	3
NEUR 321	Aging Brain	3
NEUR 421	Behavioral Neuroscience	3
NEUR 465	Drugs and Behavior	3

Area Elective Requirements 32 cr (total)

Area Elective Requirements: Behavioral, Social & Health 6 cr (min) – 16 cr (max)

HLTH 206,	HLTH 418,	NUTR 201,	PHED 315,
PHIL 303,	PSY 380,	PSY 384,	PSY 390,
PSY 422,	PSY 450,	PSY 456,	PSY 469,
PSY 471,	PSY 486,	PSY 489	RSCI 110,
SWK 470			

Area Elective Requirements - Biological & Chemical 6 cr (min) – 16 cr (max)

BIOL 171/171L,	BIOL 244/244A,	BIOL 245/245A,	BIOL 304/304L,
BIOL 317/317L,	BIOL 380/380L,	BIOL 385,	BIOL 424/424L,
BIOL 425/425L,	CHEM 111/111L,	CHEM 112/112L,	CHEM 301/301L,
CHEM 326/326L,	CHEM 327/327L		

Area Elective Requirements - Physical & Computational 6 cr (min) – 16 cr (max)

CS 170,	CIS 214,	CIS 305,	EMM 215,
EEC 141/141L,	EMM 170,	MATH 275,	MATH 276,
MATH 353,	PHYS 201,	PHYS 201A(1),	PHYS 202,
PHYS 202A(1),	PHYS 361/361L		

General/Free Electives

A total of 31 hours are required.

Note: Students must complete a minimum of 42 hours of 300-level or higher courses to meet graduation requirements. In addition to 12 hours of Neuroscience core courses (300-level or higher courses above), students must select at least 30 additional hours of 300-level or higher courses from Neuroscience Area Electives and General/Free Electives.