NEUROSCIENCE, BACHELOR OF SCIENCE

To obtain a BS with a major in Neuroscience, a student must fulfill university, college, and departmental requirements. As an interdisciplinary major, Neuroscience major requirements meet the college breadth requirement.

Neuroscience Bachelor of Science Requirements

Science	Requirements	
Code	Title Cred	lits
GENERAL EDUCATION REQUIREMENTS - 34 Hours		
Required		
Minimum of "C-"red	•	
Fundamental Ski	ills	15
Writing – 6 hrs	5.	
ENGL 1150	ENGLISH COMPOSITION I	
ENGL 1160	COLLEGE RESEARCH AND INFORMATION LITERACY	
Oral Communi	ication – 3 hrs.	
CMST 1110	PUBLIC SPEAKING FUNDS	
or CMST 2120	0 ARGUMENTATION AND DEBATE	
Quantitative Li	iteracy – 3 hrs.	
MATH 1120	INTRODUCTION TO MATHEMATICAL AND COMPUTATIONAL THINKING	
or MATH 113	0 QUANTITATIVE LITERACY	
or MATH 114	O QUANTITATIVE REASONING FOR HEALTHCARE PROFESSIONALS	
or MATH 130	0 COLLEGE ALGEBRA WITH SUPPORT	
Data Literacy -	- 3 hrs.	
Select one from	the following:	
STAT 1100	DATA LITERACY AND VISUALIZATION	
STAT 1530	ELEMENTARY STATISTICS	
approved data li	students can satisfy this requirement with an iteracy course, or any approved natural or eneral education course.	
Breadth of Know	ledge	13
Social Science -	3 hrs.	
Humanities – 3 h	hrs.	
Natural & Physic	cal Science (must complete a lab) – 4 hrs.	
Arts – 3 hrs.		
Individual and Sa	ocial Responsibility	6
Cultural Knowled	dge – 3 hrs.	
Civic Knowledge	e and Engagement – 3 hrs.	
MAJOR REQUIRE	MENTS	
**Course will satisfy	y UNO's General Education requirement	
^Course requires pr	re-requisite(s)	
Note: BIOL 1450 m	nay be used either in Core or in Path, not both	
Neuroscience Mo	ajor - 50-59 Hours Required	
	•	-23
NEUR 1000	SUPERHEROES, ZOMBIES, CYBORGS AND DROIDS: COULD THEY LIVE AMONG US? (** ^)	
or BIOL 1450	BIOLOGY I	
NEUR 1520	INTRODUCTION TO NEUROSCIENCE I (^)	

NEUR 1540	INTRODUCTION TO NEUROSCIENCE II (^)	
PSYC 3130	STATISTICS FOR THE BEHAVIORAL SCIENCES (^)	
or STAT 3000	STATISTICAL METHODS I	
NEUR 3600	RESEARCH METHODS IN NEUROSCIENCE (^)	
or PSYC 3140	RESEARCH METHODS IN PSYCHOLOGY	
Select one of the fo	ollowing:	
PHYS 1110 & PHYS 1154	PHYSICS FOR LIFE SCIENCE I and GENERAL PHYSICS LABORATORY I (** ^)	
OR		
CHEM 1140 & CHEM 1144	FUNDAMENTALS OF COLLEGE CHEMISTRY and FUNDAMENTALS OF COLLEGE CHEMISTRY LABORATORY (** ^)	
OR		
CHEM 1180 & CHEM 1184	GENERAL CHEMISTRY I and GENERAL CHEMISTRY I LABORATORY (** ^)	
and		
CHEM 1190 & CHEM 1194	GENERAL CHEMISTRY II and GENERAL CHEMISTRY II LABORATORY (^)	
Neuroscience Path	ways: select one of the following	12-17
Pre-Health & Tradit	tional Path - 12-17 credit hours	
BIOL 1450	BIOLOGY I (** ^)	
or BIOL 1750		
	GENIEUCS (^)	
BIOL 2140	GENETICS (^)	
Select one of the for PHYS 1120 & PHYS 1164	PHYSICS FOR LIFE SCIENCE II and GENERAL PHYSICS LABORATORY II	
Select one of the fo	ollowing: PHYSICS FOR LIFE SCIENCE II	
Select one of the for PHYS 1120 & PHYS 1164	PHYSICS FOR LIFE SCIENCE II and GENERAL PHYSICS LABORATORY II	
Select one of the for PHYS 1120 & PHYS 1164 OR CHEM 2210	PHYSICS FOR LIFE SCIENCE II and GENERAL PHYSICS LABORATORY II (^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC	
Select one of the for PHYS 1120 & PHYS 1164 OR CHEM 2210 & CHEM 2214 OR CHEM 2250 & CHEM 2260	PHYSICS FOR LIFE SCIENCE II and GENERAL PHYSICS LABORATORY II (^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC	
Select one of the for PHYS 1120 & PHYS 1164 OR CHEM 2210 & CHEM 2214 OR CHEM 2250 & CHEM 2260 and	PHYSICS FOR LIFE SCIENCE II and GENERAL PHYSICS LABORATORY II (^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) ORGANIC CHEMISTRY I and ORGANIC CHEMISTRY II (^)	
Select one of the for PHYS 1120 & PHYS 1164 OR CHEM 2210 & CHEM 2214 OR CHEM 2250 & CHEM 2260 and CHEM 2274	PHYSICS FOR LIFE SCIENCE II and GENERAL PHYSICS LABORATORY II (^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) ORGANIC CHEMISTRY I and ORGANIC CHEMISTRY II (^) ORGANIC CHEMISTRY LABORATORY (^)	
Select one of the for PHYS 1120 & PHYS 1164 OR CHEM 2210 & CHEM 2214 OR CHEM 2250 & CHEM 2260 and	PHYSICS FOR LIFE SCIENCE II and GENERAL PHYSICS LABORATORY II (^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) ORGANIC CHEMISTRY I and ORGANIC CHEMISTRY II (^) ORGANIC CHEMISTRY LABORATORY (^)	
Select one of the for PHYS 1120 & PHYS 1164 OR CHEM 2210 & CHEM 2214 OR CHEM 2250 & CHEM 2260 and CHEM 2274 Philosophy Path - 1	PHYSICS FOR LIFE SCIENCE II and GENERAL PHYSICS LABORATORY II (^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) ORGANIC CHEMISTRY I and ORGANIC CHEMISTRY II (^) ORGANIC CHEMISTRY LABORATORY (^) 2-14 credit hours NEUROSCIENCE PATHWAYS TO	
Select one of the for PHYS 1120 & PHYS 1164 OR CHEM 2210 & CHEM 2214 OR CHEM 2250 & CHEM 2260 and CHEM 2274 Philosophy Path - 1 NEUR 1560	PHYSICS FOR LIFE SCIENCE II and GENERAL PHYSICS LABORATORY II (^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) ORGANIC CHEMISTRY I and ORGANIC CHEMISTRY II (^) ORGANIC CHEMISTRY LABORATORY (^) 2-14 credit hours NEUROSCIENCE PATHWAYS TO DISCOVERY (^)	
Select one of the for PHYS 1120 & PHYS 1164 OR CHEM 2210 & CHEM 2214 OR CHEM 2250 & CHEM 2260 and CHEM 2274 Philosophy Path - 1 NEUR 1560 or BIOL 1450 or BIOL 1750	PHYSICS FOR LIFE SCIENCE II and GENERAL PHYSICS LABORATORY II (^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) ORGANIC CHEMISTRY I and ORGANIC CHEMISTRY II (^) ORGANIC CHEMISTRY LABORATORY (^) 2-14 credit hours NEUROSCIENCE PATHWAYS TO DISCOVERY (^) BIOLOGY I BIOLOGY II	
Select one of the for PHYS 1120 & PHYS 1164 OR CHEM 2210 & CHEM 2214 OR CHEM 2250 & CHEM 2260 and CHEM 2274 Philosophy Path - 1 NEUR 1560 or BIOL 1450 or BIOL 2140	PHYSICS FOR LIFE SCIENCE II and GENERAL PHYSICS LABORATORY II (^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) ORGANIC CHEMISTRY I and ORGANIC CHEMISTRY II (^) ORGANIC CHEMISTRY LABORATORY (^) 2-14 credit hours NEUROSCIENCE PATHWAYS TO DISCOVERY (^) BIOLOGY I BIOLOGY II GENETICS INTRODUCTION TO PHILOSOPHY:	
Select one of the form PHYS 1120 & PHYS 1164 OR CHEM 2210 & CHEM 2214 OR CHEM 2250 & CHEM 2260 and CHEM 2274 Philosophy Path - 1 NEUR 1560 or BIOL 1450 or BIOL 1750 or BIOL 2140 PHIL 1030	PHYSICS FOR LIFE SCIENCE II and GENERAL PHYSICS LABORATORY II (^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) ORGANIC CHEMISTRY I and ORGANIC CHEMISTRY II (^) ORGANIC CHEMISTRY LABORATORY (^) 2-14 credit hours NEUROSCIENCE PATHWAYS TO DISCOVERY (^) BIOLOGY I BIOLOGY I GENETICS INTRODUCTION TO PHILOSOPHY: BRAINS, MINDS, AND MACHINES (**)	
Select one of the form PHYS 1120 & PHYS 1164 OR CHEM 2210 & CHEM 2214 OR CHEM 2250 & CHEM 2260 and CHEM 2274 Philosophy Path - 1 NEUR 1560 or BIOL 1450 or BIOL 1750 or BIOL 2140 PHIL 1030 PHIL 2030 PHIL 1210 or PHIL 2010	PHYSICS FOR LIFE SCIENCE II and GENERAL PHYSICS LABORATORY II (^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) ORGANIC CHEMISTRY I and ORGANIC CHEMISTRY II (^) ORGANIC CHEMISTRY LABORATORY (^) 2-14 credit hours NEUROSCIENCE PATHWAYS TO DISCOVERY (^) BIOLOGY I BIOLOGY I BIOLOGY II GENETICS INTRODUCTION TO PHILOSOPHY: BRAINS, MINDS, AND MACHINES (**) INTRODUCTION TO ETHICS (**) CRITICAL REASONING (**) SYMBOLIC LOGIC	
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Select one of the form PHYS 1120 & PHYS 1164 OR CHEM 2210 & CHEM 2214 OR CHEM 2250 & CHEM 2260 and CHEM 2274 Philosophy Path - 1 NEUR 1560 or BIOL 1450 or BIOL 1750 or BIOL 2140 PHIL 1030 PHIL 2030 PHIL 1210 or PHIL 2010 or MEDH 2010	PHYSICS FOR LIFE SCIENCE II and GENERAL PHYSICS LABORATORY II (^) FUNDAMENTALS OF ORGANIC CHEMISTRY and FUNDAMENTALS OF ORGANIC CHEMISTRY LABORATORY (^) ORGANIC CHEMISTRY I and ORGANIC CHEMISTRY II (^) ORGANIC CHEMISTRY LABORATORY (^) 2-14 credit hours NEUROSCIENCE PATHWAYS TO DISCOVERY (^) BIOLOGY I BIOLOGY I GENETICS INTRODUCTION TO PHILOSOPHY: BRAINS, MINDS, AND MACHINES (**) INTRODUCTION TO ETHICS (**) CRITICAL REASONING (**) SYMBOLIC LOGIC SYMBOLIC LOGIC	

or BIOL 2140 GENETICS MEDH 1000 INTRODUCTION TO MEDICAL HUMANITIES (**) MEDH/HIST 2030 HISTORY OF MEDICINE: FROM ANTIQUITY TO THE PRESENT (** ^)	
HUMANITIES (**) MEDH/HIST 2030 HISTORY OF MEDICINE: FROM ANTIQUITY TO THE PRESENT (** ^)	
ANTIQUITY TO THE PRESENT (** ^)	
MEDH/PHIL 2300 BIOMEDICAL ETHICS	
Computing Path - 12-14 credit hours	
NEUR 1560 NEUROSCIENCE PATHWAYS TO DISCOVERY (^)	
or BIOL 1450 BIOLOGY I	
or BIOL 1750 BIOLOGY II	
or BIOL 2140 GENETICS	
CIST 1600 INTRODUCTION TO PROGRAMMING USING PRACTICAL SCRIPTING (^)	
or CIST 1400 INTRODUCTION TO COMPUTER SCIENCE I	
BIOI 1000 DIGITAL HEALTH AND BIOLOGICAL SYSTEMS (**)	
BIOI 3000 APPLIED BIOINFORMATICS (^)	
Criminal Justice Path 12-14 credit hours	
NEUR 1560 NEUROSCIENCE PATHWAYS TO DISCOVERY	
or BIOL 1450 BIOLOGY I	
or BIOL 1750 BIOLOGY II	
or BIOL 2140 GENETICS	
CRCJ 1010 CRIME TO COURTROOM: THE JUSTICE JOURNEY (**)	
Choose two of the following	

CRCJ 4510 VIOLENCE (^) Advanced Neuroscience Courses

CRCJ 3350

CRCJ 4000

CRCJ 4500

18-19

In addition to the required fundamentals courses, 18-19 credit hours as a combination from the Cornerstone Neuroscience Lecture (3 credits), Laboratory (3 – 4 credits), and Block I, Block II, and Block III Courses (12 credits) from the lists below must be selected. Within the 12-hour credit selection, at least 3 credits must come from Block I and at least 3 credits must come from Block II. To complete the 18 credits required, a minimum of 6 credits can be taken from a combination of Block I, Block II, and Block III. No more than three hours of Experiential Study in Neuroscience (NEUR 4960) may be applied to the Additional Neuroscience Courses category. NEUR 4910, NEUR 4920, and NEUR 4930 may be taken more than once as long as they are different topics. No courses can double-count within this 18-credit hour group.

CRIMINOLOGY (^)

JUSTICE SYSTEM (^)

DRUGS AND CRIME (^)

MENTAL HEALTH AND THE CRIMINAL

Select one of the following Cornerstone lab courses -

NEUR 4200	ADVANCED NEUROSCIENCE LABORATORY (^)
NEUR/BIOL 4810	BEHAVIORAL GENETICS (^)
PSYC/BIOL 4280	ANIMAL BEHAVIOR LABORATORY (^)

Select one of the following Cornerstone lecture courses that has not already been used to satisfy the Neuroscience Block Courses requirement below

NEUR 4000	SYSTEMS NEUROSCIENCE (^)	
NEUR 4160	NEUROPHARMACOLOGY (^)	
NEUR 4330	SOCIAL NEUROSCIENCE (^)	
NEUR 4480	NEUROIMMUNOLOGY (^)	

NEUR/BIOL 4870	MOLECULAR AND CELLULAR NEUROBIOLOGY (^)
NEUR/BIOL 4890	GENES, BRAIN, AND BEHAVIOR (^)
PSYC/BIOL 4320	HORMONES & BEHAVIOR (^)

Block I, II, and III Courses

Select at least one of the following from Block I Neuroscience Choices: Molecular and Cellular

Neuroscience				
NEUR 4000	SYSTEMS NEUROSCIENCE (^)			
NEUR 4160	NEUROPHARMACOLOGY (^)			
NEUR 4290	NEUROETHOLOGY (^)			
NEUR 4340	ADVANCED BEHAVIORAL NEUROSCIENCE (^)			
NEUR 4480	NEUROIMMUNOLOGY (^)			
NEUR 4640	NEURAL MECHANISMS OF SUBSTANCE USE DISORDERS (^)			
NEUR 4840	GLIA IN HEALTH AND DISEASE (^)			
NEUR 4850	NEUROBIOLOGY OF LEARNING AND MEMORY (^)			
NEUR 4870	MOLECULAR AND CELLULAR NEUROBIOLOGY (^)			
NEUR/BIOL 4890	GENES, BRAIN, AND BEHAVIOR (^)			
NEUR 4910	SPECIAL TOPICS IN NEUROSCIENCE - BLOCK 1 (^)			

Select at least one of the following from Block II Neuroscience Choices: Behavioral and Cognitive Neuroscience

	NEUR/BIOL/GERO 3500	BIOLOGICAL PRINCIPLES OF AGING (^)
	NEUR/GERO 4050	ADVANCED BIOLOGY OF AGING
	NEUR/PSYC 4230	BEHAVIORAL NEUROSCIENCE (^)
	NEUR 4330	SOCIAL NEUROSCIENCE (^)
	NEUR/BMCH 4650	NEUROMECHANICS OF HUMAN MOVEMENT (^)
	NEUR 4710	AI IN HEALTHCARE AND NEUROSCIENCE
	NEUR 4920	SPECIAL TOPICS IN NEUROSCIENCE - BLOCK 2 (^)
	PSYC 4090	COGNITIVE NEUROSCIENCE (^)
	PSYC 4210	SENSATION AND PERCEPTION (^)
	PSYC/PHIL 4250	LIMITS OF CONSCIOUSNESS (^)
	PSYC/BIOL 4270	ANIMAL BEHAVIOR (^)
	PSYC/BIOL 4320	HORMONES & BEHAVIOR (^)
Block III Additional Neuroscience Choices:		
	NEUR 4930	SPECIAL TOPICS IN NEUROSCIENCE - NEURO ELECTIVE BLOCK (^)
	NEUR 4960	EXPERIENTIAL STUDY IN NEUROSCIENCE (^)

College Breadth

College of Arts and Sciences' college breadth requirement satisfied by this major

Bachelor Science Cognate Requirement

15

Students must complete 15 credits worth of a cognate set of courses (see below) OR may choose a minor of at least 15 hours or a double major. Courses taken within the major may not also be used toward the completion of cognate coursework. One cognate course may double-count with your Gen Ed requirements. No more than 6 hours of cognate coursework may be at the 1000 level. At least 3 hours of cognate coursework must be at the 3000-4000 level. Note that some classes have prerequisites.

Credits 3-5

3

ANTH 1050	INTRODUCTION TO ANTHROPOLOGY
	(**)
ANTH 3910	INTRODUCTION TO PHYSICAL ANTHROPOLOGY (** ^)
ANTH 4230	ETHNOMEDICINES OF THE AMERICAS (^)
ANTH 4240	MEDICAL ANTHROPOLOGY
BIOI 1000	DIGITAL HEALTH AND BIOLOGICAL SYSTEMS (**)
BIOL 2740	HUMAN ANATOMY AND PHYSIOLOGY I (^)
BIOL 2840	HUMAN ANATOMY AND PHYSIOLOGY II (^)
BIOL 3020	MOLECULAR BIOLOGY OF THE CELL (^)
BIOL 3240	INTRODUCTION TO IMMUNOLOGY (^)
BIOL 4110	STATISTICS FOR BIOLOGICAL SCIENCES (^)
BIOL 4130	MOLECULAR GENETICS (^)
BIOL 4140	CELLULAR BIOLOGY (^)
BIOL 4230	EVOLUTION (^)
BIOL 4260	BEHAVIORAL ECOLOGY (^)
BIOL 4650	BIOCHEMISTRY I
& BIOL 4654	and BIOCHEMISTRY I LABORATORY (^)
BIOL 4730	VERTEBRATE ENDOCRINOLOGY (^)
BIOL 4740	ANIMAL PHYSIOLOGY (^)
BIOL 4850	DEVELOPMENTAL BIOLOGY (^)
BIOL 4860	COMPARATIVE GENOMICS (^)
BIOL 4960	ADVANCED GENETICS (^)
BMCH 2400	HUMAN PHYSIOLOGY & ANATOMY I (**)
BMCH 2500	HUMAN PHYSIOLOGY AND ANATOMY II (^)
BMCH 4100	BIOINSPIRED ROBOTICS
CHEM 3650 & CHEM 3654	FUNDAMENTALS OF BIOCHEMISTRY and FUNDAMENTALS OF BIOCHEMISTRY LABORATORY (^)
CHEM 4610	BIOCHEMISTRY OF METABOLISM (^)
CHEM 4650	BIOCHEMISTRY I
& CHEM 4654	and BIOCHEMISTRY I LABORATORY (^)
CSCI 1200 & CSCI 1204	COMPUTER SCIENCE PRINCIPLES and COMPUTER SCIENCE PRINCIPLES LABORATORY (** ^)
ENVN 4320	ECOLOGICAL SUSTAINABILITY AND HUMAN HEALTH (^)
MATH 1940	CALCULUS FOR BIOMEDICINE (^)
PHIL 2020	INTRODUCTION TO PHILOSOPHY OF
	MIND
PHIL 3650	PHILOSOPHY OF MIND (^)
PHIL 4220	NEUROETHICS (^)
PHYS 3300	INTRODUCTION TO BIOMEDICAL PHYSICS (^)
PHYS 3500	ELEMENTS OF ELECTRONICS (^)
PHYS 4500	BIOLOGICAL PHYSICS (^)
PSYC 1010	INTRODUCTION TO PSYCHOLOGY I (**)
PSYC 1020	INTRODUCTION TO PSYCHOLOGY II (^)
PSYC 2040	EXPLORATIONS IN THE SCIENCE OF PSYCHOLOGY
PSYC 3520	CHILD PSYCHOLOGY (^)
PSYC 4020	LEARNING (^)
PSYC 4024	LABORATORY IN PSYCHOLOGY: LEARNING (^)

PSYC 4234	LABORATORY IN PSYCHOLOGY: BEHAVIORAL NEUROSCIENCE (^)
PSYC 4440	ABNORMAL PSYCHOLOGY (^)
PSYC 4460	PSYCHOLOGY OF ADULT DEVELOPMENT AND AGING (^)
PSYC 4470	MENTAL HEALTH AND AGING (^)
PSYC 4990	SENIOR THESIS (^)

ELECTIVES

NEUR 1520

Elective hours as required to reach a total of 120 hours

Concentration Offered

- Computing & Neurotechnology (http://catalog.unomaha.edu/ undergraduate/college-arts-sciences/neuroscience/neuroscience-bs/ computing-neurotechnology-conc/)
- Medical, Health Sciences, and Research Concentration in Neuroscience (http://catalog.unomaha.edu/undergraduate/college-arts-sciences/ neuroscience/neuroscience-bs/med-health-research-conc/)

Neuroscience Rachelor of

Science Four Year Plan			
Freshman			
Fall			
NEUR 1000	SUPERHEROES, ZOMBIES, CYBORGS		
or BIOL 1450	AND DROIDS: COULD THEY LIVE		
	44404104100		

	AMONG US? or BIOLOGY I	
ENGL 1150	ENGLISH COMPOSITION I	3
MATH 1120	INTRODUCTION TO MATHEMATICAL	3-4
or MATH 1130	AND COMPUTATIONAL THINKING (See	
or MATH 1140	advisor for other options)	
or MATH 1300	or QUANTITATIVE LITERACY	
	or QUANTITATIVE REASONING FOR	
	HEALTHCARE PROFESSIONALS	
	or COLLEGE ALGEBRA WITH	
	SUPPORT	

INTRODUCTION TO NEUROSCIENCE I

Attend Durango Days; other campus events. Set up a Handshake account and take the Pathway U career assessment. Attend the Student Involvement & Volunteer Fair to explore student organizations. Make advising appointment for spring: Sept-Oct. Work with your advisor to develop your Pathway in Stellic.

	Credits	12-15
Spring		
ENGL 1160	COLLEGE RESEARCH AND INFORMATION LITERACY	3
NEUR 1540	INTRODUCTION TO NEUROSCIENCE II	3
Neuroscience Pathwa	y Course	3-5
Neuroscience Pathwa	y Course	3-5

Attend campus events such as major exploration week to get an idea of interests and career paths. Schedule a resume review with UNO Career Services. Visit faculty office hours and ask about undergraduate research opportunities. Make advising appointment for summer and fall: February -March.

> 12-16 **Credits**

Sophomore

Fall		
CHEM 1140	FUNDAMENTALS OF COLLEGE	5
& CHEM 1144	CHEMISTRY	
	and FUNDAMENTALS OF COLLEGE	
	CHEMISTRY LABORATORY (*)	
		_

F31C 3130	SCIENCES	3
Neuroscience Block	k 2 Course	3
General Education	Course or Elective	3

*CHEM 1140: Taking both CHEM 1180-1184 and 1190-1194 will substitute for CHEM 1140-1144. Alternatively, students may take PHYS 1110-1154 in lieu of Chemistry coursework.

Attend the Career & Internship Fair to start networking with employers. Look for volunteer, research, or part-time work to gain experience. Join a student organization or club related to your field or interests. Make advising appointment for spring: Sept. - Oct.

	Credits	14
Spring		
CMST 1110 or CMST 2120	PUBLIC SPEAKING FUNDS or ARGUMENTATION AND DEBATE	3
NEUR 3600 or PSYC 3140	RESEARCH METHODS IN NEUROSCIENCE or RESEARCH METHODS IN PSYCHOLOGY	3-4

Neuroscience Pathway Course	3-5
General Education Course or Elective	3
Attend a career fair for informational and networking	

purposes. Update your resume and LinkedIn profile with new experiences. Investigate and apply for summer internships, research, or study abroad programs. Make advising appointment for summer and fall: February - March.

> **Credits** 12-15

Junior

Fall

Neuroscience Pathway Course or Elective	3-4
Neuroscience Block 1 Course	3
Cognate Course	3
General Education Course or Elective	3
Elective	3
Apply for a paid internship or research assistantship. Attend	

a mock interview workshop or use online interview tools with Career Services. Start researching and visiting graduate programs or professional schools. Visit Career Center, continue updating resume. Make advising appointment for spring: Sept-Oct.

	Credits	15-16
Spring		
NEUR 4200	ADVANCED NEUROSCIENCE LABORATORY	3-4
OR		
PSYC/BIOL 4280	ANIMAL BEHAVIOR LABORATORY	
OR		
NEUR/BIOL 4810	BEHAVIORAL GENETICS	
Cornerstone Neuroscience Lecture Course		3
General Education Course or Elective		3
General Education Course or Elective		3
Cognate Course		3

Request letters of recommendation from faculty for jobs or grad school. Attend the All-Majors Career Fair with a plan to network. Meet with your advisor or submit for a graduation check-in to review remaining degree requirements. Make advising appointment for summer and fall: February -March.

Credits	15-16
Senior	
Fall	
Neuroscience coursework (Block 1, 2, or 3)	3
General Education Course or Elective	3
Cognate Course	3
Cognate Course	3
Elective	3
Check in with Career Center for networking tips. Finalize graduate school applications or job search strategy. Attend a career fair and start applying for full-time jobs. Prepare for interviews and salary negotiations with Career Services. Make advising appointment for spring: Sept Oct.	
Credits	15
Spring	
Neuroscience coursework (Block 1, 2, or 3)	3
Cognate Course	3
Elective	3
Elective	3
Elective	3
Request letters of recommendation from faculty for jobs or grad school. Attend the All-Majors Career Fair with a plan to network. Meet with your advisor or submit for a graduation check-in to review remaining degree requirements. Make advising appointment for summer and fall: February – March.	
Credits	15

College Breadth: The Neuroscience major satisfies Option 3 of the CAS Breadth Requirement.

Total Credits

Upper Level Credits: Students need 27 upper level credits throughout the degree with at least 18 upper level credits within the major. Electives may need to be selected at the 3000-4000 level to reach these minimums.

110-122

Additional Information About this Plan:

University Degree Requirements: The minimum number of hours for a UNO undergraduate degree is 120 credit hours. Please review the requirements for your specific program to determine all requirements for the program. In order to graduate on-time (four years for an undergraduate degree), you need to take 30 hours each year.

Placement Exams: For Math, English, World Language, a placement exam may be required. More information on these exams can be found at https:// www.unomaha.edu/enrollment-management/testing-center/placementexams/information.php

Transfer credit or placement exam scores may change suggested plan of study.

GPA Requirements: 2.0

Note: This plan provides a general guide, but your specific courses, experiences, and career goals may differ. Work with your academic advisor to ensure you're meeting degree requirements and consult with career advisors to explore internships, research opportunities, and post-graduation plans. Regular check-ins will help you stay on track and make the most of your time at UNO!