2024 - 2025 Major Map

Neuroscience, BS

School/College: The College of Liberal Arts and Sciences

Term 1 - A 0 - 8 Credit Hours Critical course signified by

LABMENBS

ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	С	• ASU 101 or college-specific equivalent First-Year Seminar required of all	
ASU 101-LA: The ASU Experience	1		first-year students	
BIO 181: General Biology I (SCIT OR SQ)	4	С		
Term hours subtotal:	8			
Ferm 1 - B 8 - 14 Credit Hours Critical course signified by Φ	Hours	Minimum Grade	Notes	
NEU 101: Introduction to Neuroscience	3	С	• Students who test into MAT 251 or MA	
Mathematics (MATH)	3	C	270 should enroll in that course in Term	
Term hours subtotal:	6		 View ASU Online first-year student registration information here. Select your Career Interest Communitie and play me3@ASU. Join a student club or professional organization. 	
Ferm 2 - A 14 - 21 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C		
BIO 182: General Biology II (SCIT OR SG)	4	С		
Term hours subtotal:	7			
Cerm 2 - B 21 - 27 Credit Hours	Hours	Minimum Grade	Notes	
MAT 251: Calculus for Life Sciences (MATH OR MA) OR MAT 265: Calculus for Engineers I (MATH OR MA)	3	С	• MAT 251 or MAT 270 may require	
Elective	3		prerequisites which should be taken in Term 1.	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			• Participate in a volunteer experience.	
Term hours subtotal:	6			
'erm 3 - A 27 - 34 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes	
CHM 113: General Chemistry I (SCIT OR SQ)	4	С	• Take advantage of online tutoring	
Humanities, Arts and Design (HUAD)	3		resources.	
Term hours subtotal:	7			
Cerm 3 - B 34 - 40 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes	

Minimum

Grade

Notes

Hours

Social and Rehavioral Sciences (SORF) 3 Complete Mathematics (MATH) requirement. Complete First-Year Composition requirement. Term hours subtotal: 6 Term 4 - A 40 - 47 Credit Hours Critical course signified by 16 Hours 17 Credit Hours Critical course signified by 16 Credit Hours Critical course signified by 17 Credit Hours Science and Society Elective 3 Credit Hours 18 Credit Hours 19 Credit	NEU 290: Data Science for Neuroscience Majors (QTRS OR CS) OR STP 231: Statistics for Life Science (QTRS OR CS)	3	C		
Complete Mathematics (MATH) requirement. Complete Firet-Year Composition requirement. Term 4 - A 40 - 47 Credit Hours Critical course signified by	Social and Pohavioral Sciences (SOPE)	3			
Term 4 - A 40 - 47 Credit Hours Critical course signified by ↑ Hours Crade CHM 116- General Chemistry II (SCIT OR SQ) 4 C Science and Society Elective 3 C Science and Society Elective 3 C Term bours subtotal: 7 Term 4 - B 47 - 53 Credit Hours Hamuatides. Arts and Design (HUAD) 3 Sustainability (SUST) 3 Sustainability (SUST) 3 Sustainability (SUST) 3 Sustainability (SUST) 4 Term bours subtotal: 6 Term bours subtotal: 6 Term 5 - A 53 - 59 Credit Hours Necessary course signified by Nets Subtotal: 6 Term 5 - B 59 - 65 Credit Hours Necessary course signified by Notes Term bours subtotal: 6 Term 5 - B 59 - 65 Credit Hours Necessary course signified by Notes Term bours subtotal: 6 Term 6 - A 65 - 71 Credit Hours Necessary course signified by Notes Term 6 - B 71 - 77 Credit Hours Necessary course signified by Notes Term 6 - B 71 - 77 Credit Hours Necessary course signified by Notes Term 6 - B 71 - 77 Credit Hours Necessary course signified by Notes Term 6 - B 71 - 77 Credit Hours Necessary course signified by Notes Term 6 - B 71 - 77 Credit Hours Necessary course signified by Notes Term 6 - B 71 - 77 Credit Hours Necessary course signified by Notes Term 6 - B 71 - 77 Credit Hours Necessary course signified by Notes Term 6 - B 71 - 77 Credit Hours Necessary course signified by Notes Term 6 - B 71 - 77 Credit Hours Necessary course signified by Notes Term 6 - B 71 - 77 Credit Hours Necessary course signified by Notes Term 6 - B 71 - 77 Credit Hours Necessary course signified by Notes Term 6 - B 7	• Complete Mathematics (MATH) requirement.				
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Term 4 - B 47 - 53 Credit Hours Hours Hours Minimum Grade	CHM 116: General Chemistry II (SCIT OR SQ)				
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Notes	Sustainability (SUST)	3		ratterpate in air internsimp	
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• Use Handshake to research emplo	Γerm 7 - A 77 - 83 Credit Hours Necessary course signified by	Hours		Notes	
			С	Use Handshake to research employment	
	Elective	3			

Term 7 - B 83 - 89 Credit Hours	Hours	Minimum Grade	Notes	
American Institutions (AMIT)	3			
Governance and Civic Engagement (CIVI)	3			
Term hours subtotal:	6			
Term 8 - A 89 - 95 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes	
Complete 2 courses: Upper Division Major Electives	6	С		
Term hours subtotal:	6			
Term 8 - B 95 - 101 Credit Hours	Hours	Minimum Grade	Notes	
Upper Division Elective	3		Gather professional references	
Elective	3		Gamer professional references	
Term hours subtotal:	6			
Term 9 - A 101 - 107 Credit Hours Necessary course signified by ☆	Hours	Minimum Grade	Notes	
Upper Division Major Electives	3	C	Apply for graduate school	
Upper Division Elective	3		- Apply for graduate school	
Term hours subtotal:				
Term 9 - B 107 - 113 Credit Hours	Hours	Minimum Grade	Notes	
Complete 2 courses: Upper Division Elective	6			
Term hours subtotal:	6			
Term 10 - A 113 - 120 Credit Hours Necessary course signified by ☆	Hours	Minimum Grade	Notes	
Lupper Division Major Electives	3	C	Apply for full-time career opportunities	
Elective	4		Apply for fun-time career opportunities	
Term hours subtotal:	7			

- A total of 18 credit hours is required from the major electives.
 - All students pursuing a BS or BSP degree in The College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at https://thecollege.asu.edu/resources/science-society. At least one of the two courses must be upper-division and students must earn a C or better in the courses. Both Science and Society courses (i.e., all six credits) may count towards any major, minor, related fields, and ASU General Studies requirements.

Hide Course List(s)/Track Group(s)

Behavioral Neuroscience	Cellular and Molecular Neuroscience	Cognitive Neuroscience
NEU 307: Your Brain on Drugs	BIO 331: Animal Behavior	NEU 323: Neuroscience of Perception
NEU 394: Neuroscience of Learning and		NEU 394: Language and the Brain
Motivation		NEU 394: Neuroimaging Methods
NEU 460: Brain and Emotion		NEU 494: Cognitive Neuroscience of
		Memory

SHS 485: Acquired Speech and Language Disorders

Experiential Coursework	Systems and Computational Neuroscience	
NEU 394: Neuroscience Undergraduate	BIO 439: Computing for Research	
Teaching Assistant	NEU 426: Neuroanatomy	
NEU 484: Internship	SHS 310: Anatomical and Physiological Bases of Speech	
NEU 492: Honors Directed Study		
NEU 493: Honors Thesis	SHS 311: Hearing Science	
NEU 499: Individualized Instruction		

• Total Hours: 120

• Upper Division Hours: 45 minimum

• University Undergraduate Graduation Requirements

Notes:

Mathematics Placement Assessment score determines placement in first mathematics course.

Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

General Studies designations listed next to courses on the major map were valid for the 2024 - 2025 academic year. Please refer to the course catalog for current General Studies designations at time of class registration. General Studies credit is applied according to the designation the course carries at the time the class is taken.