

TRANSFER GUIDE FOR B.S. NEUROSCIENCE



Checklist for transfer work (check website for equivalencies at your college):

- CHEM:1110 Principles of Chemistry I
- CHEM:1120 Principles of Chemistry II
- Full sequence of introductory biology from one institution*
- PSY:1001 Elementary Psychology**
- MATH:1850 Calculus I
- Intermediate II of a world language (or 4 years in high school of one language)
- RHET:1030 (English Composition I, II and Public Speaking)
- Three additional General Education Courses***

Neuroscience 2-year plan after transfer (remaining courses):

<u>Hr.</u>	<u>Semester 1</u>	<u>Hr.</u>	<u>Semester 2</u>
4	PSY:2701 Intro to Behavioral Neuroscience	3	Neuroscience Elective 1
3	PSY:2811 Research Methods I	3	PSY:2812 Research Methods II
4	PHYS:1511 College Physics I	4	PHYS:1512 College Physics II
<u>3</u>	Gen Ed: Diversity and Inclusion	<u>3</u>	BIOC:3110 Biochemistry
14+	Additional elective hours if needed****	13+	
<u>Hr.</u>	<u>Semester 3</u>	<u>Hr.</u>	<u>Semester 4</u>
3	Intro to Cognitive Neuroscience	3	BIOL:3753 Developmental Neurobiology
4	BIOL:3253 Neurobiology	4-5	BIOL:3653 Integrative Neurophysiology
3	Laboratory Course	3	Neuroscience Elective 2
<u>3</u>	Gen Ed	<u>3</u>	Gen Ed
13+		13+	

These plans are guidelines to demonstrate the course requirements for the Neuroscience major. Hours may vary due to world language and math placements, AP or dual enrollment coursework, and actual classes transferred to UI. ****Students will need a total of 120 hours to complete a bachelor's degree. Review your transcripts with the Neuroscience advisor to create an individualized plan of study.

More Information: <https://clas.uiowa.edu/neuro>

*Communicate with the Biology Department regarding transfer biology credit. Usually biology courses will only transfer if the full introductory sequence is completed.

**This course is not required for the major but is recommended for the social science GE.

***Refer to the CLAS website for GE requirements: <https://clas.uiowa.edu/clas-core/requirements>

THIS MAJOR IS JOINTLY ADMINISTERED BY THE DEPARTMENT OF BIOLOGY AND DEPARTMENT OF PSYCHOLOGICAL & BRAIN SCIENCES, IN COOPERATION WITH THE IOWA NEUROSCIENCE INSTITUTE.

PRE-MED PLAN

B.S. NEUROSCIENCE

- CHEM:1110 Principles of Chemistry I
- CHEM:1120 Principles of Chemistry II
- Full sequence of introductory biology from one institution*
- PSY:1001 Elementary Psychology*
- SOC:1010 Introduction to Sociology*
- MATH:1850 Calculus I
- Organic Chemistry with Lab I and II*
- Intermediate II of a world language (or 4 years in high school of one language)
- RHET:1030 (English Composition I, II and Public Speaking)
- One additional General Education Course

Neuroscience 2-year plan after transfer (remaining courses):

Hr.	<u>Semester 1</u>	Hr.	<u>Semester 2</u>
4	PSY:2701 Intro to Behavioral Neuroscience	3	Neuroscience Elective 1
3	PSY:2811 Research Methods I	3	PSY:2812 Research Methods II
4	PHYS:1511 College Physics I	4	PHYS:1512 College Physics II
<u>3</u>	Gen Ed: Diversity and Inclusion	3	BIOC:3110 Biochemistry
14		<u>3</u>	PSY:2130 Adv Psychology for Pre-Med
		16	
Take MCAT spring/summer after junior year. Apply to medical school summer after junior year.			
Hr.	<u>Semester 3</u>	Hr.	<u>Semester 4</u>
3	Intro to Cognitive Neuroscience	3	BIOL:3753 Developmental Neurobiology
4	BIOL:3253 Neurobiology	4-5	BIOL:3653 Integrative Neurophysiology
3	Laboratory Course	3	Neuroscience Elective 2
<u>6</u>	Two Gen Eds	<u>6</u>	Two Gen Eds
16		16	

Pre-Med students should work with their major advisor and a Pre-Med advisor to develop an individualized plan of study.

*Organic Chemistry is required for pre-med, but not for the Neuroscience major. Psychology and Sociology are recommended for Pre-Med, only one will count toward the Social Science general education requirement.

Pre-Med advising at Iowa: <https://advisingcenter.uiowa.edu/pre-medicine>