



MCB Certificate in Neuroscience

The Certificate in Neuroscience option allows undergraduate majors to obtain recognition for completing coursework providing a foundational understanding of brain function at multiple levels of organization. Students completing the certificate will be presented with an official certificate document and will be free to use this credential on a CV/resume or application for advanced study. The certificate does not provide transcript recognition.

To declare the certificate, students must meet with an MCB advisor and then complete the online [declaration form](#) by the 10th day of their final semester. In order to receive the printed certificate, students will be expected to complete this [checklist](#) on the back of this handout and turn it in to the MCB Advising Office for certification by the last day of classes in their final semester.

Twelve hours of advanced coursework in Neuroscience is required for completion of the certificate. Courses must be chosen from the Approved List of Courses below. **MCB 461 and 462 are specifically required**, but the remaining 6 hours can come from any courses on the Neuroscience Approved List. Up to 3 hours may come from MCB 290 undergraduate research conducted in the laboratory of a Neuroscience Program (NSP) faculty member. Note that courses marked with an asterisk (*) will also count toward the 15 approved advanced hours in the MCB major. Courses not marked with an asterisk will count toward the certificate but will not count toward the 15 required advanced hours in the MCB major.

Approved List of Courses for Certificate in Neuroscience:

MCB	290	Undergraduate Research in approved NSP Lab	Up to 3 hours
*MCB/NEUR	314	Introduction to Neurobiology	3 hours, Fall
*MCB	401	Cellular Physiology	3 hours, Fall
NEUR/PSYC	403	Memory and Amnesia	3 hours, Fall
PSYC 404/NEUR	405	Cognitive Neuroscience	3 hours, Spring
*PSYC/NEUR	414	Brain, Learning and Memory	3 hours, Fall
PSYC/NEUR	417	Neuroscience of Eating & Drinking	3 hours, Fall
PSYC/NEUR	421	Principles of Psychophysiology	3 hours, Fall
IB/NEUR	432	Genes and Behavior	3 hours, Spring
PSYC/NEUR	433	Evolutionary Neuroscience	3 hours, Fall
PSYC/NEUR	450	Cognitive Psychophysiology	3 hours, Fall
PSYC/NEUR	453	Cog Neuroscience of Vision	3 hours, Fall
*MCB	460	Neuroanatomy Laboratory	2 hours, Fall and spring
†* MCB/NEUR	461	Cell & Molecular Neuroscience	3 hours, Fall
†* MCB/NEUR	462	Integrative Neuroscience	3 hours, Spring
*MCB	466	Neuro & Molecular Pharmacology	3 hours, Spring
*MCB	493 NOS	Neurobiology of Senses	3 hours, Spring

† Required for the certificate

* Counts toward the required 15 hours of approved advanced courses in the MCB major

Notes: Students are not guaranteed a seat in a course required by the certificate but are welcome to enroll in courses where seats remain available after any restriction, which may have been placed, has been removed. Courses may not be used to satisfy the requirements of more than one MCB Certificate.

NEUR/PSYC 413 only counts as an approved advanced MCB course for students who took it prior to spring 2022. Students who take the course spring 2022 or later cannot count it towards the certificate or towards their 15 required advanced MCB hours.

Contact advising@mcb.illinois.edu or call 217-333-6774 for more information.