

PSYCHOLOGY: COGNITIVE NEUROSCIENCE, BSLAS

for the degree of Bachelor of Science in Liberal Arts & Sciences in Psychology, Cognitive Neuroscience Concentration

Cognitive neuroscience is concerned with understanding the neuroscientific bases of cognition. Various methods are employed to assess the roles of different brain systems in psychological functions such as memory, attention, language, executive control, decision making, response processing, and emotion.

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Please see your academic advisor. A Major Plan of Study Form must be completed and submitted to the LAS Student Academic Affairs Office before the end of the fifth semester (60-75 hours).

Graduation Requirements

Minimum hours required for graduation: 120 hours.

Minimum required major and supporting course work: Normally equates to 35 hours of Psychology courses. Twelve hours of 300- and 400-level in the major must be taken on this campus.

University Requirements

Minimum of 40 hours of upper-division coursework, generally at the 300- or 400-level. These hours can be drawn from all elements of the degree.

Students should consult their academic advisor for additional guidance in fulfilling this requirement.

The university and residency requirements can be found in the Student Code (<https://studentcode.illinois.edu/article3/part8/3-801/>) (§ 3-801) and in the Academic Catalog (<http://catalog.illinois.edu/general-information/degree-general-education-requirements/>).

General Education Requirements

Follows the campus General Education (Gen Ed) requirements (<https://courses.illinois.edu/gened/DEFAULT/DEFAULT/>). Some Gen Ed requirements may be met by courses required and/or electives in the program.

Code	Title	Hours
	Composition I	4-6
	Advanced Composition	3
	Humanities & the Arts (6 hours)	6
	Natural Sciences & Technology (6 hours)	6
	Social & Behavioral Sciences (6 hours)	6
	fulfilled by PSYC 100 and other course approved as Social & Behavioral Sciences	
	Cultural Studies: Non-Western Cultures (1 course)	3

Cultural Studies: US Minority Cultures (1 course)	3
Cultural Studies: Western/Comparative Cultures (1 course)	3
Quantitative Reasoning (2 courses, at least one course must be Quantitative Reasoning I)	6-10

fulfilled by PSYC 235 and any other course approved as Quantitative Reasoning

Language Requirement (Completion of the fourth semester or equivalent of a language other than English, or completion of the third semester in two different languages other than English is required)	0-20
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Code	Title	Hours
Orientation and Professional Development		
LAS 101	Design Your First Year Experience	1
OR		
LAS 100 & LAS 101	Success in LAS for International Students and Design Your First Year Experience	3
OR		
LAS 102	Transfer Advantage	1
Total Hours		1 or 3

Major Requirements

Code	Title	Hours
Introductory Psychology		4
PSYC 100	Intro Psych	
Psychological Statistics		3
PSYC 235	Intro to Statistics (or equivalent)	
Cognitive Neuroscience Concentration Core Course (choose one):		3
PSYC 204	Intro to Brain and Cognition	
PSYC 220	Images of Mind	
Psychological Science Breadth, Group 1 (choose one):		3
Behavioral and Cognitive Neuroscience		
PSYC 204	Intro to Brain and Cognition (if not taken to satisfy Cognitive Neuroscience Concentration Core Course requirement)	
PSYC 210	Behavioral Neuroscience	
PSYC 220	Images of Mind (if not taken to satisfy Cognitive Neuroscience Concentration Core Course requirement)	
Cognitive, Attention & Perception		
PSYC 224	Cognitive Psych	
PSYC 230	Perception & Sensory Processes	
PSYC 248	Learning and Memory	
PSYC 255	Decisions & Judgement	
Psychological Science Breadth, Group 2 (choose 2):		6
Clinical, Community, Developmental Diversity		
PSYC 214	The Psychology of Racism in the United States	
PSYC 216	Child Psych	
PSYC 238	Psychopathology and Problems in Living	
PSYC 239	Community Psych	

Social, Personality, Organizational	
PSYC 201	Intro to Social Psych
PSYC 207	Psychology of Prejudice and Discrimination
PSYC 245	Industrial Org Psych
PSYC 250	Psych of Personality
Cognitive Neuroscience Concentration Research Methods Course	4
PSYC 445	Cognitive Neuroscience Lab
Cognitive Neuroscience Advanced Course (choose two):	6
BCOG 301	Intelligence and the Brain
PSYC 302	Applied Neuroscience
PSYC 361	The Psychology of Aging
PSYC 402	Intro Clin Neuropsych
PSYC 403	Memory and Amnesia
PSYC 404	Cognitive Neuroscience
PSYC 421	Principles of Psychophysiology
PSYC 433	Evolutionary Neuroscience
PSYC 450	Cognitive Psychophysiology
PSYC 451	Neurobio of Aging
PSYC 453	Cog Neuroscience of Vision
Additional Advanced (300- or 400-level) PSYC or BCOG Courses	6
Total Hours	35

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Sample Sequence

This sample sequence is intended to be used only as a guide for degree completion. All students should work individually with their academic advisors to decide the actual course selection and sequence that works best for them based on their academic preparation and goals. Enrichment programming such as study abroad, minors, internships, and so on may impact the structure of this four-year plan. Course availability is not guaranteed during the semester indicated in the sample sequence.

Students must fulfill their Language Other Than English requirement by successfully completing a fourth level of a language other than English. See the corresponding section on the Degree and General Education Requirements (<http://catalog.illinois.edu/general-information/degree-general-education-requirements/>).

First Year	
First Semester	Hours
LAS 101	1
PSYC 100	4
General Education course	3
Language Other Than English (3rd level)	4
Composition I or General Education course	4
	16
Total Hours 16	

First Year	
Second Semester	Hours
PSYC 235	3
Psychological Science Breadth, Group 2	3
General Education course	3
Language Other Than English (4th level)	4
General Education course or Composition I	3
	16
Total Hours 16	

Second Year	
First Semester	Hours
PSYC 204 or 220	3
Psychological Science Breadth, Group 1	3
General Education course	3
General Education course	3
Free Elective course	3
	15
Total Hours 15	

Second Year	
Second Semester	Hours
Psychological Science Breadth, Group 2	3
General Education course	3
General Education course	3
Free Elective course	3
Free Elective course	3
	15
Total Hours 15	

Third Year	
First Semester	Hours
Cognitive Neuroscience Advanced Course	3
General Education course	3
General Education course	3
Free Elective course	3
Free Elective course	3
	15
Total Hours 15	

Third Year	
Second Semester	Hours
Cognitive Neuroscience Advanced Course	3
General Education course	3
Advanced PSYC or BCOG Course	3
Free Elective course	3

Free Elective course	3
	15

Total Hours 15

Fourth Year

First Semester	Hours
PSYC 445	4
Free Elective course	3
Free Elective course	3
Free Elective course	3
Free Elective course	1
	14

Total Hours 14

Fourth Year

Second Semester	Hours
Advanced PSYC or BCOG Course	3
Free Elective course	3
Free Elective course	3
Free Elective course	3
Free Elective course	2
	14

Total Hours 14

Total Hours: 120

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4. Students will be prepared to apply psychology-specific content and skills, effective self-reflection, project management skills, teamwork skills, and career preparation to optimize their competitiveness for securing places in a graduate school, professional school, or in the workforce. For example, students should be able to:
 - a. apply psychological content and skills to career goals;
 - b. demonstrate project management skills and teamwork capacity; and
 - c. develop meaningful professional direction for life after graduation.

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Department of Psychology (<http://www.psychology.illinois.edu/undergrad/>)

Psychology Faculty (<https://psychology.illinois.edu/directory/faculty/>)
 Psychology advising (<https://psychology.illinois.edu/academics/undergraduate-program/advising-services/>)
psych-advising@illinois.edu

College of Liberal Arts and Sciences (<https://las.illinois.edu/>)

overview of college admissions & requirements: Liberal Arts & Sciences
 (<http://catalog.illinois.edu/schools/las/academic-units/>)

1. Students will demonstrate fundamental knowledge and comprehension of the major concepts, theoretical perspectives, historical trends, and empirical findings to discuss how psychological principles apply to behavioral phenomena. This includes:
 - a. describing key concepts, principles and overarching themes;
 - b. developing a working knowledge of the different content or program areas in psychology; and
 - c. describing the application of psychology to everyday life.
2. Students will develop scientific reasoning and problem solving skills, including effective research methods. This includes:
 - a. using scientific reasoning to interpret psychological phenomena;
 - b. demonstrating psychology information literacy;
 - c. engaging in innovative and integrative thinking and problem solving;
 - d. interpreting, designing, and conducting basic psychological research; and
 - e. incorporating sociocultural factors in scientific inquiry when appropriate.
3. Students will develop ethically and socially responsible behaviors for professional and personal settings in a landscape that involves increasing diversity. This goal encompasses:
 - a. applying ethical standards to evaluate psychological science and practice;
 - b. building and enhancing interpersonal relationships; and
 - c. adopting values that build community at local, national, and global levels.