Psychology, B.S.

Students should be aware that psychology courses are offered in several different departments and programs.

The B.S. in Psychology incorporates more science content, as the physical and biological sciences play a critical role in deeper study of the mind and brain. Students interested in other areas of psychology are advised to consult the course listings in the School of Social Ecology (http://catalogue.uci.edu/schoolofsocialecology/) and the School of Biological Sciences (http://catalogue.uci.edu/charliedunlopschoolofbiologicalsciences/) sections.

NOTE: Students may complete either the B.A. in Psychology, the B.S. in Psychology, or the B.S. in Cognitive Sciences. You may not double major within the majors offered by the department. For students who double major in the B.S. in Psychology and the B.S. in Biological Sciences, no more than three courses may overlap.

Requirements for the B.S. in Psychology

All students must meet the University Requirements (http://catalogue.uci.edu/informationforadmittedstudents/requirementsforabachelorsdegree/).
All students must meet the School Requirements (http://catalogue.uci.edu/schoolofsocialsciences/#schoolrequirementstext).

School requirements must be met and must include courses as specified below:

A. Complete:	
PSYCH 10A- 10B- 10C	Exploratory Data Analysis and Probability and Inference and Statistical Models
PSYCH 9A- 9B- 9C	Psychology Fundamentals and Psychology Fundamentals and Psychology Fundamentals
B. Complete six courses across three disciplines:	
Background in Science	
BIO SCI 35	The Brain and Behavior
BIO SCI 36	Drugs and the Brain
BIO SCI 37	Brain Dysfunction and Repair
BIO SCI 38	Mind and Memory
BIO SCI 41	Mood Disorders
BIO SCI 47	Stress
BIO SCI 75	Human Development
BIO SCI 93	From DNA to Organisms
BIO SCI 94	From Organisms to Ecosystems
CHEM 1A	General Chemistry
CHEM 1B	General Chemistry
CHEM 1C- 1LC	General Chemistry and General Chemistry Laboratory
CHEM 51A	Organic Chemistry
CHEM 51B- 51LB	Organic Chemistry and Organic Chemistry Laboratory
CHEM 51C- 51LC	Organic Chemistry and Organic Chemistry Laboratory
COGS 14M	MATLAB Programming
COGS 14P	Scientific Python for Research
COGS 60N	Neurobiology of Cognition
COGS 108	Neural Analytics
LPS 30	Introduction to Symbolic Logic
LPS 31	Introduction to Inductive Logic
LPS 40	The Nature of Scientific Inquiry
LPS 60	The Making of Modern Science

MATH 2A- 2B	Single-Variable Calculus I and Single-Variable Calculus II
MATH 5A- 5B	Calculus for Life Sciences I and Calculus for Life Sciences II
MATH 3A	Introduction to Linear Algebra
MATH 3D	Elementary Differential Equations
PHYSICS 3A	Basic Physics I
PHYSICS 3B- 3LB	Basic Physics II and Basic Physics Laboratory
PHYSICS 3C- 3LC	Basic Physics III and Basic Physics Laboratory
PHYSICS 7C- 7LC	Classical Physics and Classical Physics Laboratory
PHYSICS 7D- 7LD	Classical Physics and Classical Physics Laboratory
PHYSICS 7E	Classical Physics
PHYSICS 15	Physics of Music
STATS 110	Statistical Methods for Data Analysis I
STATS 111	Statistical Methods for Data Analysis II
STATS 112	Statistical Methods for Data Analysis III
C. Select four from the following:	
Psychology Core Courses	
PSYCH 120A	Abnormal Psychology
PSYCH 120D	Developmental Psychology
PSYCH 120H	History of Psychology
PSYCH 120P	Personality Theories
PSYCH 130A	Perception and Sensory Processes
PSYCH 140C	Cognitive Science
PSYCH 140J	Judgment and Decision Making
PSYCH 140L	Learning and Decision Making
PSYCH 140M	Human Memory
PSYCH 150	Psychology of Language
PSYCH 160A	Introduction to Cognitive Neuroscience
PSYCH 160D	Brain Disorders and Behavior
D. Select three courses from the following modules: [1]	
Psychology Module Courses	
PSYCH 120 to PSYCH 129 (General)	
PSYCH 130 to PSYCH 139 (Perception and Sensory Processes)	
PSYCH 140 to PSYCH 149 (Cognition and Learning)	
PSYCH 150 to PSYCH 159 (Language)	
PSYCH 160 to PSYCH 169 (Cognitive Neuroscience)	
E. Select three of the following:	
Research Methods	
PSYCH 112A- 112LA	Experimental Psychology and Experimental Psychology Laboratory
PSYCH 112BW- 112LB	Advanced Experimental Psychology and Advanced Experimental Psychology Laboratory
PSYCH 112C- 112LC	Research in Experimental Psychology and Research in Experimental Psychology
PSYCH 112M- 112LM	Research Methods in Psychology and Research Methods in Psychology Laboratory

PSYCH 112N- 112LN	Introduction to fMRI Research and fMRI Research Laboratory
PSYCH 112P- 112LP	Research in Perception and Psychophysics and Research in Perception and Psychophysics Laboratory
PSYCH 112R- 112LR	Cognitive Robotics and Cognitive Robotics Laboratory
F. Select four courses (four or more units each) with emphasis in psychology and distributed as follows:	
1. No more than one may be lower-division. PSYCH 7A may not be used to fulfill this requirement.	
2. No more than one of the courses may be numbered 190-199.	
3. If accepted into the Honors Program, only one course is needed to fulfill this requirement.	

1 Psychology core courses may be used to fulfill this requirement but cannot count for both requirements.

Sample Program - General

Freshman		
Fall	**Winter**	**Spring**
PSYCH 9A	PSYCH 9B	PSYCH 9C
PSYCH 10A	PSYCH 10B	PSYCH 10C
General Education	General Education	General Education
	Computer Tech Requirement	
Sophomore		
Fall	**Winter**	**Spring**
Psych. Core course	Psych. Core course	Research Methods
LPS 31	General Education	Research Methods Lab
General Education	Science Course 1	General Education
General Education	Psych. Module	Science Course 2
Junior		
Fall	**Winter**	**Spring**
Research Methods	Research Methods	Psych. Module
Research Methods Lab	Research Methods Lab	Psych. Module
Psych. Core course	Psych. Core course	Additional science course
Science course	Additional science course	Additional science course
Senior		
Fall	**Winter**	**Spring**
Additional Psych. course	Additional Psych. course	Elective
Additional Psych. course	Elective	Elective
Elective	Elective	Elective
Elective	Elective	Elective

Sample Program - Transfer

Junior		
Fall	**Winter**	**Spring**
PSYCH 9B	Computer Tech Requirement	LPS 31
PSYCH 10A	PSYCH 10B	PSYCH 10C
Psych. Core course	Psych. Core course	Psych. Core course
Elective	Elective	Upper-division writing
Senior		
Fall	**Winter**	**Spring**
Research Methods	Research Methods	Research Methods
Research Methods Lab	Research Methods Lab	Research Methods Lab
Psych. Module	Psych. Module	Psych. Module
Psych. Core course	Additional Psych. course	Additional Psych. course

Honors Program in Psychology and Cognitive Sciences

The Honors Program in Psychology and Cognitive Sciences is an advanced educational and research program for outstanding undergraduate students in these majors.

The program emphasizes advanced competence in scientific research, and allows participants the opportunity to pursue advanced work in independent research, in addition to earning honors upon graduation. While the program is designed for students who are interested in pursuing graduate study or

seeking challenging research experiences as a capstone to their undergraduate experience, all Psychology and Cognitive Sciences majors who meet the minimum eligibility requirements are welcome to apply.

The program has a limited number of openings and seeks to attract outstanding students who plan to undertake postgraduate education in some field of cognitive/psychological sciences. Students with junior standing are required to identify a faculty advisor and a research project, and submit a formal application in spring quarter prior to the start of the senior year. To qualify for the honors program, the students must meet the GPA requirement (3.2 within their major), provide an analytical writing sample, and submit a one-page research plan. In addition, a letter of recommendation from a faculty advisor who agrees to oversee the proposed research must be provided.

Students who participate in the program are expected to enroll in the Honor Seminar series (COGS H101A-COGS H101B-COGS H101C/PSYCH H101A-PSYCH H101B-PSYCH H101C). Honors students must successfully complete a senior honors thesis and present their research as part of the course work.

The honors seminar series may be used to satisfy three of the courses required under requirement E (seven additional courses with an emphasis in psychology) of the B.A. in Psychology major, requirement G (four courses with an emphasis in psychology) of the B.S. in Psychology major, and under requirement E (upper-division core electives) of the B.S. in Cognitive Sciences major.

Sample Program - Honors in Cognitive Sciences

Freshman		
Fall	**Winter**	**Spring**
PSYCH 9A	PSYCH 9B	PSYCH 9C
MATH 2A	MATH 2B	Science course (C)
Science course (C)	Science course (C)	General Education
General Education	General Education	Elective
Sophomore		
Fall	**Winter**	**Spring**
PSYCH 10A	PSYCH 10B	PSYCH 10C
COGS 14P	Science course (C)	COGS 109
Science course (C)	General Education	Science course (C)
General Education	Core course (D)	General Education
Junior		
Fall	**Winter**	**Spring**
Core course (D)	Research Methods (B)	Core course (D)
Core elective (E)	Core elective (E)	Core elective (E)
COGS 107	COGS 106	COGS 108
Research Methods (B)	Elective	Elective
Senior		
Fall	**Winter**	**Spring**
COGS H101A	COGS H101B	COGS H101C
Research Methods (B)	Elective	Elective
Core elective (E)	Elective	Elective
Elective	Elective	Elective

Sample Program - Honors in Psychology, B.S.

Freshman		
Fall	**Winter**	**Spring**
PSYCH 9A	PSYCH 9B	PSYCH 9C
LPS 31	Science course	Science course
Science course	General Education	General Education
General Education	Elective	Elective
Sophomore		
Fall	**Winter**	**Spring**
PSYCH 10A	PSYCH 10B	PSYCH 10C
Computer Tech Requirement	Additional Science course	Psych Module
Additional Science course	General Education	Additional Science course
General Education	Core course	General Education
Junior		
Fall	**Winter**	**Spring**
Core course	Research Methods	Core course
Elective	Core course	Psych Module
Research Methods	Psych Module	Elective
Elective	Elective	Elective

Senior		
Fall	**Winter**	**Spring**
PSYCH H101A	PSYCH H101B	PSYCH H101C
Research Methods	Elective	Additional Psych Course
Elective	Elective	Elective
Elective	Elective	Elective

Sample Program - Honors in Psychology, B.A.

Freshman		
Fall	**Winter**	**Spring**
PSYCH 9A	PSYCH 9B	PSYCH 9C
General Education	General Education	General Education
General Education	General Education	General Education
	SOC SCI 3A	Intro. Soc. Sci. course
Sophomore		
Fall	**Winter**	**Spring**
Intro. Statistics	Intro. Statistics	Intro. Statistics
Psych. Core course	Psych. Core course	Psych. Core course
Intro. Soc. Sci. course	General Education	General Education
General Education	General Education	General Education
Junior		
Fall	**Winter**	**Spring**
Psych. Core course	General Education	U-D Psych. course
Psych. Module	Psych. Module	Psych. Module
Research Methods	Elective	Elective
Elective	U-D Psych. course	Elective
Senior		
Fall	**Winter**	**Spring**
PSYCH H101A	PSYCH H101B	PSYCH H101C
U-D Psych. course	U-D Psych. course	Elective
Elective	Elective	Elective
Elective	Elective	Elective

- Cognitive Sciences, B.S.
- Cognitive Sciences, Ph.D.
- Hearing and Speech Sciences, Minor
- Psychology, B.A.
- Psychology, Minor