Psychology, BS

Requirements

The Bachelor of Science with a major in psychology requires a minimum of 120 s.h., including 55–57 s.h. of work for the major, with at least 42 s.h. in psychology courses. Students must maintain a grade-point average of at least 2.00 in all courses for the major and in all UI courses for the major. They must also complete the College of Liberal Arts and Sciences GE CLAS Core. Transfer credits must be approved by the department, and transfer students must complete at least 18 s.h. of psychology courses at the University of Iowa.

In planning coursework, students should be guided by the College of Liberal Arts and Sciences maximum hours rule: students earning a BS may apply a maximum of 56 s.h. earned in one department to the minimum 120 s.h. required for graduation, whether or not the coursework is accepted toward requirements for the major; students who earn more than 56 s.h. from one department may use the additional semester hours to satisfy requirements for the major (if the department accepts them), and the grades they earn become part of their grade-point average, but they cannot apply the additional semester hours to the minimum 120 s.h. required for graduation.

The major for the BS emphasizes research methodology, so the BS may be the degree of choice for students who plan to do graduate work in psychology and related research fields. However, a Bachelor of Science is not required for graduate study in psychology. Choice of a degree program should be dictated by a student's personal career goals.

BA and BS students complete the same psychology core and psychology electives. The major for the BS also requires additional psychology topics courses and natural science courses plus mathematics, statistics, or computer science courses. Unlike the BA, there is no second area course requirement.

Students are advised to take PSY:1001 Elementary Psychology as the first course in the major; however, if a student must take PSY:1001 for the first time after completing another psychology course with a higher number, the student may do so.

Students must take PSY:1005 Orientation to the Psychology Major: Foundations for Academic and Career Success within one of the next two semesters after they declare the psychology major.

The BS with a major in psychology requires the following courses or their equivalents.

Requirements	Hours
Psychology Core	7
Lower-Level Psychology Requirements	19
Upper-Level Psychology Electives	9
Psychology Topics Courses	7
Natural Sciences Courses	7
Mathematics, Statistics, or Computer Science Courses	6-8

Psychology Core

All students complete the following coursework for the psychology core.

Course #	Title	Hours
All of these:		
PSY:1001	Elementary Psychology	3
PSY:1005	Orientation to the Psychology Major: Foundations for Academic and Career Success	1
PSY:2811	Research Methods and Data Analysis in Psychology I	3

Lower-Level Psychology Requirements

Students take these courses after completing PSY:1001 Elementary Psychology.

Course #	Title	Hours
All of these:		
PSY:2301	Introduction to Clinical Psychology	3
PSY:2401	Introduction to Developmental Science	3
PSY:2501	Introduction to Social Psychology	3
PSY:2601	Introduction to Cognitive Psychology	3
PSY:2701	Introduction to Behavioral Neuroscience	4
PSY:2812	Research Methods and Data Analysis in Psychology II	3

Upper-Level Psychology Electives

Students take three advanced psychology courses (total of 9 s.h.) after satisfactorily completing the psychology core and other specified prerequisites. Psychology courses (prefix PSY) numbered 3000 or above may be used to fulfill this requirement, except those in the following list.

Course #	Title	Hours
PSY:3994	Research Practicum in Psychology	arr.
PSY:3995	Advanced Research Practicum	1-3
PSY:3996	External Practicum in Psychology	1-3
PSY:3997	Teaching/Advising Practicum in Psychology	1-3
PSY:3998	Individual Readings and Projects	1-3
PSY:3999/ BIOL:3999	Independent Research in Neuroscience	2-3
PSY:4020	Laboratory in Psychology	4
PSY:4025	Laboratory in Cognitive Neuroscience	4
PSY:4035	Laboratory in Computational Neuroscience	4
PSY:4090	Psychology Seminar	3
PSY:4990	Honors Thesis Research	1-3
PSY:4995/ BIOL:4995	Honors Research in Neuroscience	arr.

Additional Requirements

Psychology Topics Courses

Course #	Title	Hours
Both of these:		
PSY:4020	Laboratory in Psychology	4
PSY:4090	Psychology Seminar	3

Natural Science Courses

Course #	Title	Hours
At least 7 s.h. from these:		
BIOL:1140	Human Biology: Nonmajors	4
BIOL:1141	Human Biology: Health Professions	4
BIOL:1411	Foundations of Biology	4
BIOL:2120	Good Genes Gone Bad: Genetic Disorders of Notable Celebrities	3
BIOL:2512	Fundamental Genetics	4
CHEM:1070	General Chemistry I	3
CHEM:1080	General Chemistry II	3
CHEM:1090	Supplemental Chemistry Lab	1
CHEM:1110	Principles of Chemistry I	4
CHEM:1120	Principles of Chemistry II	4
CHEM:1160	Principles of Chemistry Lab	2
CSD:2111	Basic Acoustics for Speech and Hearing	3
CSD:3112	Anatomy and Physiology of Speech Production	4
CSD:3113	Introduction to Hearing Science	4
CSD:3116/ LING:3116	Basic Neuroscience for Speech and Hearing	3
HHP:1400	Human Anatomy and Physiology	3
PHYS:1400	Basic Physics	3-4
PHYS:1409	Basic Physics Lab	1
PHYS:1410	Physics of Sound	3-4
PHYS:1511	College Physics I	4
PHYS:1512	College Physics II	4
PHYS:1611	Introductory Physics I	4
PHYS:1612	Introductory Physics II	4

Mathematics, Statistics, or Computer Science Courses

Course #	Title	Hours
At least two courses from these:		
BIOS:4120	Introduction to Biostatistics	3
CS:1210	Computer Science I: Fundamentals	4
CS:2110	Programming for Informatics	4
CS:2230	Computer Science II: Data Structures	4
CS:2520	Human-Computer Interaction for Informatics	3
MATH:1350	Quantitative Reasoning for Business	4
MATH:1440	Mathematics for the Biological Sciences	4
MATH:1460	Calculus for the Biological Sciences	4
MATH:1550	Engineering Calculus I	4
MATH:1850	Calculus I	4
MATH:1860	Calculus II	4
MATH:2700	Introduction to Linear Algebra	4
STAT:1020/ PSQF:1020	Elementary Statistics and Inference	3
STAT:1030	Statistics for Business	4
STAT:2010	Statistical Methods and Computing	3
STAT:3200/ DATA:3200/ IGPI:3200/ISE:3760	Applied Linear Regression	3
STAT:3210	Experimental Design and Analysis	3
STAT:3510/ IGPI:3510	Biostatistics	3
STAT:4143/ PSQF:4143	Introduction to Statistical Methods	3

Teacher Licensure

Students interested in teaching in elementary and/or secondary schools should seek admission to the Teacher Education Program (TEP) in the College of Education.

To qualify for licensure in secondary teaching, students in the TEP complete a degree in education as well as a related College of Liberal Arts and Sciences degree. See Apply on the College of Education website for details on requirements and deadlines for applying to the College of Education and about TEP choices of majors leading to licensure.