

PSYCHOLOGY

<http://www.pacific.edu/Academics/Schools-and-Colleges/College-of-the-Pacific/Academics/Departments-and-Programs/Psychology.html>
Phone: (209) 946-2133
Location: Psychology/Communications Building
Carolynn Kohn, Chair

Degrees Offered

Bachelor of Science
Master of Arts (see Graduate Catalog for information)

Majors Offered

Psychology
Psychology with Departmental Honors

Minors Offered

Psychology

The programs of study offered by the Psychology Department are designed to help the student understand the behavior of human beings and other organisms. Behavior is a complicated subject, whether it's a high school student trying to solve mathematics problems or a puppy learning to retrieve. As a result, there are many ways to understand it. Behavioral variety is reflected in both the course offerings of our department and in the interests of the faculty. Students may study parenting, children learning moral concepts, adolescents, adults who are depressed or anxious, and people who have chronic health problems, all in one academic year.

This diversity of interests and activities is tied together by the faculty's commitment to scientific inquiry. Throughout their coursework, students learn how to answer questions about behavior through empirical research and theoretical analysis.

Several objectives can be met by studying psychology at the University which includes increased understanding of behavior, career preparation, and post-graduate studies preparation.

Increased Understanding of Your Behavior and the Behavior of Others

Students interested in a liberal arts education may satisfy a desire for a better understanding of themselves and others through a major in psychology. The diversity of course, fieldwork and internship offerings provides students with opportunities to study and have first-hand experience with a wide range of human behaviors and problems. Beyond personal development, the knowledge and skills acquired from this approach to the major have application to a wide variety of activities that students may find themselves engaged in following graduation, including business, science, education, sports, and the arts.

Career Preparation

The department offers programs of study that provide the psychology major with psychology-related employment opportunities directly upon receiving the Bachelor's degree. This involves specialization in a) applied behavior analysis which provides students skills to work with a variety of populations, or b) applications in business which provides students, in cooperation with the School of Business, skills in the use of psychological approaches in the personnel, training, and performance management areas of business and government.

Graduate and Professional School Preparation

Students interested in entering Masters and Doctoral programs in psychology or professional schools such as law and education have the opportunity to pursue an intensive series of course, practicum and research experiences that can significantly improve their chances of admission and later achievement. The program provides students with research and hands-on experience as early as the freshman year, so that by the time of graduation students may have authored or co-authored conference presentations and research papers and worked with a wide range of applied problems.

Whatever objectives students may select, they find that the department provides much more than traditional in-classroom instruction. There are opportunities for direct work with children and adults in a number of community agencies, institutions and businesses. Research experience is encouraged through one or more of the several ongoing research projects, and many courses have laboratory and fieldwork experiences associated with them. As a result, students can become a part of the continuing work of psychology.

Knowledge Base

- Students use the concepts, language, and major theories of the discipline to account for psychological phenomena

Communication

- Students communicate ideas clearly, accurately, and in accordance with APA style.

Scientific Inquiry and Critical Thinking

- Students evaluate the quality of information and use empirical evidence to craft arguments.
- Students distinguish between scientific and pseudoscientific claims and use skepticism when considering the causes of behavior.
- Students Perform mathematical computations and evaluate claims based upon mathematical arguments.

Bachelor of Science Major in Psychology

Students must complete a minimum of 120 units with a Pacific cumulative and major/program grade point average of 2.0 in order to earn the Bachelor of Science degree with a major in psychology.

I. General Education Requirements

For more details, see General Education (<http://catalog.pacific.edu/stocktongeneral/generaleducationprogram/>)

Minimum 28 units and 9 courses that include:

A. CORE Seminars (2 courses)

| | | |
|----------|-------------------------------|---|
| CORE 001 | Problem Solving & Oral Comm | 3 |
| CORE 002 | Writing and Critical Thinking | 4 |

Note: 1) CORE Seminars cannot be taken for Pass/No Credit. 2) Transfer students with 28 or more transfer credits taken after high school are exempt from both CORE seminars.

B. Breadth Requirement (7 courses, at least 3 units each)

At least one course from each of the following areas:

| |
|-------------------------------|
| Artistic Process & Creation |
| Civic & Global Responsibility |

| |
|-----------------------------|
| Language & Narratives |
| Quantitative Reasoning |
| Scientific Inquiry |
| Social Inquiry |
| World Perspectives & Ethics |

Note: 1) No more than 2 courses from a single discipline can be used to meet the Breadth Requirement.

C. Diversity and Inclusion Requirement

All students must complete Diversity and Inclusion coursework (at least 3 units)

Note: 1) Diversity and Inclusion courses can also be used to meet the breadth category requirements, or major or minor requirements.

D. Fundamental Skills

Students must demonstrate competence in:

| |
|------------------------------|
| Writing |
| Quantitative Analysis (Math) |

Note: 1) Failure to satisfy the fundamental skills requirements by the end of four semesters of full-time study at the University is grounds for academic disqualification.

II. Breadth Requirement

Students must complete 60 units outside the primary discipline of the first major, regardless of the department who offers the course(s) in that discipline, (Courses include general education courses, transfer courses, CPCE/EXTN units, internships, etc.)

III. Major Requirements

Minimum 53 units that include:

| | | |
|------------------------------|--|-----|
| PSYC 001 | Orientation to the Psychology Major | 1 |
| PSYC 002 | Professional Development in Psychology | 1 |
| PSYC 031 | Introduction to Psychology | 4 |
| MATH 035 | Elementary Statistical Inference | 3-4 |
| or MATH 037 | Introduction to Statistics and Probability | |
| or PSYC 035 | Introduction to Statistics in Psychology | |
| PSYC 050 | Introduction to Research Methods in Psychology | 4 |
| PSYC 150 | Advanced Research Methods in Psychology | 5 |
| Select one of the following: | | 3-5 |

| | |
|----------|---------------------------------|
| BIOL 011 | Human Anatomy and Physiology |
| BIOL 041 | Introduction to Biology |
| BIOL 051 | Principles of Biology |
| BIOL 061 | Principles of Biology |
| CHEM 023 | Elements of Chemistry |
| COMP 135 | Human-Computer Interface Design |
| COMP 151 | Artificial Intelligence |

| | | |
|------------------------------|----------------|---|
| Select one of the following: | | 4 |
| PHIL 037 | Symbolic Logic | |

| | |
|---|-----------------------------------|
| PHIL 061 | Philosophy of Science |
| PSYC 125 | History and Systems of Psychology |
| Select four of the following Psychology Core courses: | |
| | 16 |

| | |
|--|---|
| PSYC 069 | Social Psychology |
| PSYC 079 | Sensation and Perception |
| Select two of the following Psychology Advanced Lab courses, must be two different course numbers: | 8 |
| PSYC 115 | Advanced Lab in Cognitive Psychology |
| PSYC 117 | Advanced Lab in Clinical Psychology |
| PSYC 118 | Advanced Lab in Child Clinical Psychology |
| PSYC 129 | Advanced Lab in Developmental Psychology |
| PSYC 153 | Advanced Lab in Behavioral Psychology |
| PSYC 169 | Advanced Lab in Social Psychology |

Take an additional 4 units in PSYC at Pacific from one of the following options:

| | |
|----------|-----------|
| PSYC 089 | Practicum |
| PSYC 189 | Practicum |

Another Psychology Core course

Another Psychology Advanced Lab: If an Advanced Lab is taken, it may be the same numbered course as a previously taken Lab IF the title of the course is different.

Note: Only courses graded with a C- or better will count in the major.

Bachelor of Science Major in Psychology with Departmental Honors

To be awarded a degree in Psychology with Honors at graduation, you must accomplish three learning outcomes: 1) A minimum overall GPA of 3.4. 2) A minimum GPA of 3.8 for courses within the major. 3) An applied or research project approved and supervised by a faculty member in the Psychology department.

I. General Education Requirements

For more details, see General Education (<http://catalog.pacific.edu/stocktongeneral/generaleducationprogram/>)

Minimum 28 units and 9 courses that include:

A. CORE Seminars (2 courses)

| | | |
|----------|-------------------------------|---|
| CORE 001 | Problem Solving & Oral Comm | 3 |
| CORE 002 | Writing and Critical Thinking | 4 |

Note: 1) CORE Seminars cannot be taken for Pass/No Credit. **2)** Transfer students with 28 or more transfer credits taken after high school are exempt from both CORE seminars.

B. Breadth Requirement (7 courses, at least 3 units each)

At least one course from each of the following areas:

| |
|-------------------------------|
| Artistic Process & Creation |
| Civic & Global Responsibility |
| Language & Narratives |
| Quantitative Reasoning |
| Scientific Inquiry |
| Social Inquiry |
| World Perspectives & Ethics |

Note: 1) No more than 2 courses from a single discipline can be used to meet the Breadth Requirement.

C. Diversity and Inclusion Requirement

All students must complete Diversity and Inclusion coursework (at least 3 units)

Note: 1) Diversity and Inclusion courses can also be used to meet the breadth category requirements, or major or minor requirements.

D. Fundamental Skills

Students must demonstrate competence in:

Writing

Quantitative Analysis (Math)

Note: 1) Failure to satisfy the fundamental skills requirements by the end of four semesters of full-time study at the University is grounds for academic disqualification.

II. Breadth Requirement

Students must complete 60 units outside the primary discipline of the first major, regardless of the department who offers the course(s) in that discipline, (Courses include general education courses, transfer courses, CPCE/EXTN units, internships, etc.)

III. Major Requirements

Minimum 53 units that include:

| | | |
|--|--|-----|
| PSYC 001 | Orientation to the Psychology Major | 1 |
| PSYC 002 | Professional Development in Psychology | 1 |
| PSYC 031 | Introduction to Psychology | 4 |
| MATH 035 | Elementary Statistical Inference | 3-4 |
| or MATH 037 | Introduction to Statistics and Probability | |
| or PSYC 035 | Introduction to Statistics in Psychology | |
| PSYC 050 | Introduction to Research Methods in Psychology | 4 |
| PSYC 150 | Advanced Research Methods in Psychology | 5 |
| Select one of the following: | | 3-5 |
| BIOL 011 | Human Anatomy and Physiology | |
| BIOL 041 | Introduction to Biology | |
| BIOL 051 | Principles of Biology | |
| BIOL 061 | Principles of Biology | |
| CHEM 023 | Elements of Chemistry | |
| COMP 135 | Human-Computer Interface Design | |
| COMP 151 | Artificial Intelligence | |
| Select one of the following: | | 4 |
| PHIL 037 | Symbolic Logic | |
| PHIL 061 | Philosophy of Science | |
| PSYC 125 | History and Systems of Psychology | |
| Select four of the following: | | 16 |
| PSYC 015 | Introduction to Cognitive Science | |
| PSYC 017 | Abnormal and Clinical Psychology | |
| PSYC 029 | Developmental Psychology | |
| PSYC 053 | Behavioral Psychology | |
| PSYC 069 | Social Psychology | |
| PSYC 079 | Sensation and Perception | |
| Select two of the following Psychology Advanced Lab courses, must be two different course numbers: | | 8 |
| PSYC 115 | Advanced Lab in Cognitive Psychology | |
| PSYC 117 | Advanced Lab in Clinical Psychology | |
| PSYC 118 | Advanced Lab in Child Clinical Psychology | |
| PSYC 129 | Advanced Lab in Developmental Psychology | |
| PSYC 153 | Advanced Lab in Behavioral Psychology | |
| PSYC 169 | Advanced Lab in Social Psychology | |

Take an additional 4 units in PSYC at Pacific from one of the following options:

PSYC 089 Practicum

PSYC 189 Practicum

Another Psychology Core course

Another Psychology Advanced Lab: If an Advanced Lab is taken, it may be the same numbered course as a previously taken Lab IF the title of the course is different.

Note: Only courses graded with a C- or better will count in the major.

Minor in Psychology

Students must complete a minimum of 20 units and 5 courses with a Pacific minor grade point average of 2.0 in order to earn a minor in psychology.

Minor Requirements:

| | | |
|--------------------------------|-----------------------------------|----|
| PSYC 031 | Introduction to Psychology | 4 |
| Select three of the following: | | 12 |
| PSYC 015 | Introduction to Cognitive Science | |
| or PHIL 015 | Introduction to Cognitive Science | |
| PSYC 017 | Abnormal and Clinical Psychology | |
| PSYC 029 | Developmental Psychology | |
| PSYC 053 | Behavioral Psychology | |
| PSYC 069 | Social Psychology | |
| PSYC 079 | Sensation and Perception | |
| Select one of the following: | | 4 |
| BIOL 011 | Human Anatomy and Physiology | |
| BIOL 041 | Introduction to Biology | |
| BIOL 051 | Principles of Biology | |
| BIOL 061 | Principles of Biology | |
| CHEM 023 | Elements of Chemistry | |
| PHIL 037 | Symbolic Logic | |
| PHIL 061 | Philosophy of Science | |
| PSYC 125 | History and Systems of Psychology | |

Note: 1) All courses must be graded "C-" or better to count towards the minor.

Psychology Courses

PSYC 001. Orientation to the Psychology Major. 1 Unit.

This is a 1-credit seminar designed to familiarize students with the psychology major at the University of the Pacific. The logic and basic elements of the psychology curriculum will be reviewed, and students will be introduced to each of the faculty members in the psychology department. Additionally, the seminar will review several foundational skills necessary for success as a psychology major, including, but not limited to study skills, professional and ethical behavior, and time management. The class is for beginning Psychology majors only. Prerequisite: Psychology major.

PSYC 002. Professional Development in Psychology. 1 Unit.

This is a 1-credit seminar designed to familiarize psychology majors with various professional issues related to the field of psychology, including preparation for graduate school and career. Prerequisites: PSYC 001; Psychology major; Junior or Senior standing.

PSYC 015. Introduction to Cognitive Science. 4 Units.

Cognitive science is an exciting cross-disciplinary field devoted to understanding how the mind works. It draws on research done in a wide variety of disciplines, including philosophy, psychology, artificial intelligence, linguistics, and neuroscience. This course examines some of the main assumptions, concepts, methods, applications, and limits of the cognitive scientific approach to the mind. Questions include: Is the mind a computer and, if so, what kind of computer? What are the prospects for genuine artificial intelligence? How is the mind organized? Does the mind have innate structures? Can we explain memory, action, perception, reasoning, and social cognition? What can the brain tell us about the mind, and what can we learn from damaged brains? How did minds evolve? To what extent does cognition depend on the body and the environment? (GE3C, GESO)

PSYC 017. Abnormal and Clinical Psychology. 4 Units.

This course covers the history of mental health and mental health diagnoses; past and current research findings, and prevailing thoughts and current controversies in the field of mental health and treatments. (DVSY, ETHC, GE1A, GEDI, GESO)

PSYC 029. Developmental Psychology. 4 Units.

This course provides an overview of the growth and change that occurs in physical, cognitive, social, and emotional domains across the life span. Current theory and findings from empirical research are highlighted. (GE1A, GESO)

PSYC 031. Introduction to Psychology. 4 Units.

This course is an introduction to the major fields within psychology. Topics include: 1) experimental methods in psychology, 2) physiological psychology, 3) sensation and perception, 4) psychology of learning, 5) memory, 6) cognition and language, 7) cognitive abilities, 8), motivation and emotion, 9) human development, 10) personality, 11) abnormal psychology and treatment of mental illness, and 12) social psychology. (GE1A, GESO, PLAW)

PSYC 035. Introduction to Statistics in Psychology. 4 Units.

Introduction to descriptive and inferential statistics as tools for evaluating data from psychological research. Topics include measures of central tendency, descriptive statistics, measures of variability, correlation and regression, sampling distributions, hypothesis testing procedures including t-tests and analysis of variance, and selected other topics. Application of hand computation will be emphasized and taught alongside the use of software to facilitate the interpretation of statistical analyses.

PSYC 050. Introduction to Research Methods in Psychology. 4 Units.

This course aims to provide students with the critical thinking skills necessary to become a better consumer of information—both in psychology and in the real world. Students will learn how to systematically evaluate the validity of different claims they may encounter in textbooks, research articles, and the media. This course is designed to introduce students to and help them develop the following skills: comparing, contrasting, and evaluating research methods and designs, understanding the applications of basic statistical procedures, evaluating of the scientific merit of research findings, and understanding basic ethical guidelines as they apply to human research. Prerequisites: Psychology major and a grade of C- or higher in MATH 035 or MATH 037 or PSYC 035.

PSYC 053. Behavioral Psychology. 4 Units.

This course provides an introduction to the science and application of basic principles related to learning and behavior. Students learn about approaches to behavioral observation, measurement of behavior, gathering and analyzing of data using single subject designs, classical and operant conditioning and the application of behavior change principles to oneself and society.

PSYC 069. Social Psychology. 4 Units.

Social psychology is the scientific study of thoughts, feelings, and behaviors of individuals in social situations. This course examines the theories, research, and applications of social psychology. Specific topics to be covered include: self-awareness, self-esteem, self-deception, the power of first impressions, nonverbal communication, stereotypes and prejudice, interpersonal attraction, love and romantic relationships, altruism, aggression, conformity, obedience, persuasion and propaganda, leadership, and group behavior and decision-making. Throughout the course, these topics will be discussed as they inform us about human behavior in domains such as politics, sports, entertainment, health, education, advertising, and law.

PSYC 079. Sensation and Perception. 4 Units.

This course is an introduction to human sensory systems and perception. Building upon a detailed analysis of visual processing, students explore through lectures, readings, demonstrations, case studies, and investigations how scientists research various sensory systems and how they shape our experience of, and interaction with the world. This draws on diverse fields such as biology, physics, philosophy and art in addition to psychology. (GE3C, GESO)

PSYC 087. Internship. 1-4 Units.

This internship course gives experiences in a work setting, and is contracted on an individual basis. Students may register for only one course listed below in any semester and may receive no more than four units of credit for any of these courses. Pass/no credit is the only grading.

PSYC 089. Practicum. 1-4 Units.

The practicum offers non-classroom experiences in activities related to the curriculum under conditions that is determined by the appropriate faculty member. Students may register for only one course listed below in any semester and may receive no more than four units of credit for any of these courses. Pass/no credit is the only grading.

PSYC 115. Advanced Lab in Cognitive Psychology. 4 Units.

This advanced lab will focus on more in-depth exploration of a specific topic area within the field of Cognitive Psychology. The course will include strong research/applied component that will help students get more hands on feel for research and/or application of the concepts within the field. Possible topics include Memory, Thinking Fast and Slow, or other topics. Prerequisites: PSYC 015 and PSYC 050, both with a C- or higher.

PSYC 117. Advanced Lab in Clinical Psychology. 4 Units.

This course is intended to give students a broad overview of the field of clinical psychology as well as experience grappling with some of the current controversies in the field. This course covers several topics, including: foundations and early history; current research and practice; major theoretical orientations; diagnoses and the DSM, ethical standards; differences between the doctoral degree in clinical psychology and a master's degree in counseling, social work, or marriage and family therapy, and current controversies in these fields. Prerequisites: PSYC 017, PSYC 053, and PSYC 050, all with a C- or higher.

PSYC 118. Advanced Lab in Child Clinical Psychology. 4 Units.

This lab is a more in depth look at topics within the field of clinical child psychology. Each time the course is taught, a specific topic of study such as parenting, child mental health, etc. will be the focus. The course relies heavily on becoming aware of the available research within the field of Clinical Child Psychology as well as more effectively accessing and understanding research in general. Experiential opportunities will be included. Prerequisites: PSYC 017 and PSYC 050, both with a "C-" or higher.

PSYC 125. History and Systems of Psychology. 4 Units.

This course traces the development of “modern psychology” from its birth in early philosophy to its founding as an independent discipline in the late 1800s to its current status with an emphasis on modern behaviorism and cognitive psychology as the two dominant theoretical systems in psychology. In addition, other modern developments such as evolutionary psychology and cognitive neuroscience are discussed. The course focuses on specific content areas and ideas in psychology and the individuals who are most credited with their development.

PSYC 129. Advanced Lab in Developmental Psychology. 4 Units.

This advanced lab will focus on a more in-depth exploration of a specific topic area within the field of Developmental Psychology. The course will include a strong research/ applied component that will help students get a more hands on feel for research and/ or application of the concepts within the field. Possible topics include The Study of Infants, Psychology of Aging, Cognitive Aging, or other topics. Prerequisites: PSYC 029, PSYC 050 with a C- or better. (ETHC)

PSYC 150. Advanced Research Methods in Psychology. 5 Units.

The purpose of this course is to teach students how understanding research methods can help them become better consumers of information and better professionals, no matter their career. This course includes a lab component to facilitate hands-on learning. The goals for this course align with the psychology department's program learning outcome of scientific literacy and critical thinking. They also align with the university-wide core competencies of critical thinking, information literacy, quantitative reasoning, and written communication. Upon completion of this sequence, students will be able to: Discuss the role of research in advancing our knowledge of psychological phenomena, read and evaluate psychological research, identify the ethical issues surrounding the conduct of psychological research, distinguish scientific sources from pseudoscientific sources, state the basic research designs and the types of data analyses for conducting sound psychological research, write research reports using APA style. Prerequisites: Psychology major and a Grade of C- or higher in PSYC 050 and a Grade of C- or higher in one of the following: MATH 035, MATH 037, or PSYC 035.

PSYC 153. Advanced Lab in Behavioral Psychology. 4 Units.

This advanced lab will focus more in-depth exploration of a specific topic area within the field of Behavioral Psychology. The course will include a strong research/ applied component that will help students get a more hands on feel for research and/or application of the concepts within the field. Possible topics may include Behavioral Economics, Behavioral Approaches to Common Childhood Problems, the Power of Habit, or other topics. Prerequisites: PSYC 053 and PSYC 050, both with a C- or higher.

PSYC 169. Advanced Lab in Social Psychology. 4 Units.

This advanced lab will focus on a more in-depth exploration of a specific topic area within the field of Social Psychology. The course will include a strong research/applied component that will help students get a more hands on feel for research and/ or application of the concepts within the field. Possible topics may include Social Influence, Conformity, or other topics. Prerequisites: PSYC 069 and PSYC 050, both with a C- or higher.

PSYC 187. Internship. 1-4 Units.

This internship course gives experiences in a work setting and is contracted on an individual basis. PSYC 187 represents advanced internship work that involves increased independence and responsibility. Students may register for only one course listed below in any semester and may receive no more than four units of credit for any of these courses. Pass/no credit is the only grading.

PSYC 189. Practicum. 4 Units.

The practicum offers non-classroom experiences in activities related to the curriculum under conditions that is determined by the appropriate faculty member. PSYC 189 represents advanced practicum work which involves increased independence and responsibility. Students may register for only one course listed below in any semester and may receive no more than four units of credit for any of these courses. Pass/no credit is the only grading.

PSYC 191. Independent Study. 1-4 Units.**PSYC 195. Seminar. 4 Units.****PSYC 197. Independent Research. 1-4 Units.**