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 courses, 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

Minimum 42 units and 12 courses that include:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>PACS 001</td>
<td>What is a Good Society</td>
<td>4</td>
</tr>
<tr>
<td>PACS 002</td>
<td>Topical Seminar on a Good Society</td>
<td>4</td>
</tr>
<tr>
<td>PACS 003</td>
<td>What is an Ethical Life?</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: 1) Pacific Seminars cannot be taken for Pass/No Credit. 2) Transfer students with 28 or more transfer units complete 2 additional General Education elective courses from below in place of taking PACS 001 and PACS 002.

One course from each subdivision below:

Social and Behavioral Sciences

| IA. Individual and Interpersonal Behavior |
| IB. U.S. Studies |
IC. Global Studies
Arts and Humanities
IIA. Language and Literature
IIB. Worldviews and Ethics
IIC. Visual and Performing Arts
Natural Sciences and Mathematics
IIIA. Natural Sciences
IIIB. Mathematics and Formal Logic
IIIC. Science, Technology and Society
or a second IIIA Natural Sciences course

Note: 1) No more than 2 courses from a single discipline may be applied to meet the requirements of the general education program. 2) In selecting courses to meet GE requirements, try to choose from the Biology, Literature, Mathematics and Philosophy offerings.

II. Diversity Requirement
Students must complete one diversity course (3-4 units)

Note: 1) Transfer students with 28 units or more transfer units prior to fall 2011 are encouraged but not required to complete a designated course prior to graduation. 2) Courses may be used also to meet general education and/or major/minor requirements.

III. Fundamental Skills
Students must demonstrate competence in:

Writing
Quantitative analysis

IV. 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.)

V. Major Requirements
Minimum 51 units that include:

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>PSYC 001</td>
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<tr>
<td>PSYC 002</td>
<td>Professional Development in Psychology</td>
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<td>PSYC 031</td>
<td>Introduction to Psychology</td>
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</tr>
<tr>
<td>PSYC 101</td>
<td>Research Methods and Statistics in Psychology I</td>
<td>5</td>
</tr>
<tr>
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</tr>
<tr>
<td></td>
<td>Select one of the following: *</td>
<td>3</td>
</tr>
<tr>
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<td>Human Anatomy and Physiology</td>
<td></td>
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<tr>
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<td></td>
</tr>
<tr>
<td>CHEM 023</td>
<td>Elements of Chemistry</td>
<td></td>
</tr>
<tr>
<td>COMP 135</td>
<td>Human-Computer Interface Design</td>
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<td>Introduction to Logic</td>
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<td></td>
</tr>
<tr>
<td>PSYC 015</td>
<td>Cognitive Psychology</td>
<td></td>
</tr>
</tbody>
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Select four of the following:

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

Bachelor of Science Major in Psychology with Departmental Honors
Students must complete a minimum of 120 units with a Pacific cumulative grade point average of 3.4 and major/program grade point average of 3.8 in order to earn the bachelor of science degree with a major in psychology with departmental honors.

I. General Education Requirements
Minimum 42 units and 12 courses that include:

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Note: 1) Pacific Seminars cannot be taken for Pass/No Credit. 2) Transfer students with 28 or more transfer units complete 2 additional General Education elective courses from below in place of taking PACS 001 and PACS 002.

One course from each subdivision below:

Social and Behavioral Sciences
IA. Individual and Interpersonal Behavior
IB. U.S. Studies
IC. Global Studies

Arts and Humanities
IIA. Language and Literature
IIB. Worldviews and Ethics
IIC. Visual and Performing Arts

Natural Sciences and Mathematics
IIIA. Natural Sciences
IIIB. Mathematics and Formal Logic
IIIC. Science, Technology and Society
or a second IIIA Natural Sciences course

Note: 1) No more than 2 courses from a single discipline may be applied to meet the requirements of the general education program. 2) In selecting courses to meet GE requirements, try to choose from the Biology, Literature, Mathematics and Philosophy offerings.
II. Diversity Requirement
Students must complete one diversity course (3-4 units)

Note: 1) Transfer students with 28 units or more transfer units prior to fall 2011 are encouraged but not required to complete a designated course prior to graduation. 2) Courses may be used also to meet general education and/or major/minor requirements.

III. Fundamental Skills
Students must demonstrate competence in:

- Writing
- Quantitative analysis

IV. 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.)

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Select one of the following: * 3

- 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 Introduction to Logic
- PHIL 061 Philosophy of Science
- PSYC 125 History and Systems of Psychology

Select four of the following:

- PSYC 015 Cognitive Psychology
- PSYC 017 Abnormal and Clinical Psychology
- PSYC 029 Developmental Psychology
- PSYC 053 Behavioral Psychology
- PSYC 069 Social Psychology
- PSYC 079 Sensation and Perception

Select three of the following:

- 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

Select one of the following: ** 1

PSYC 187 Internship
PSYC 189 Practicum

* Students must select one of these courses in addition to the GE3A requirement.
** Students must complete a committee approved project that focuses on applied learning/research.

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

Graduate and Professional School Preparation
Students who plan to go on to graduate study in psychology or to use psychology as a basis for advanced professional study may select from the following sequence of courses in addition to the major requirements: PSYC 089/PSYC 189, MATH 130 and PSYC 183 (by instructor permission only). It is strongly recommended that major courses include a representation of the basic subfields of psychology as well as additional PSYC 197 and PSYC 087. Options that include both psychology and other courses provide the student with coursework as well as research and applied experience appropriate to graduate study in all areas of psychology, as well as professional study in education, social work, and law.

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:

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<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 031</td>
<td>Introduction to Psychology</td>
<td>4</td>
</tr>
</tbody>
</table>

Select three of the following: 12

- PSYC 015 Cognitive 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
- CHEM 023 Elements of Chemistry
- PHIL 037 Introduction to 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; Senior standing.

PSYC 015. Cognitive Psychology. 4 Units.
Cognitive psychology is the scientific study of mental processes, that is, how the mind works (and sometimes fails to work). This course focuses on the way perceptual information enters the mind and the role of attention in selecting or filtering incoming sensory information. It examines the ways in which knowledge is organized in memory, how new information is added to memory, and how old information is retrieved. We will study how language is represented in the mind, how it is comprehended and how it is produced. We will examine how knowledge is transformed and/or applied through reasoning and decision-making, and how well we can assess our own cognitive processes and abilities. Throughout the course, we will discuss the importance of theories of cognitive processes and their role in understanding and predicting behavior.

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)

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)

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, PLAW)

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 066. Human Sexuality. 4 Units.
This course is the study of the biological, psychological and cultural bases of human sexual behavior. Topics include female and male sexual anatomy and physiology, love and communication, sexual behavior patterns, homosexuality and bisexuality, contraception, pregnancy and childbirth, sexual difficulties and sex therapy as well as sexually transmitted diseases. The course also examines changes in sexual functioning throughout the life span and it explores the development of male and female gender roles and the effect of gender roles on various aspects of life. This course is open to freshmen but does not count toward major. (GE1A, GEND)

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. Through 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)

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 087A. . 1-4 Units.

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 101. Research Methods and Statistics in Psychology I. 5 Units.
This course is the first course in a two-course sequence required for the psychology major. This course will teach the student how to design, complete, analyze, interpret, and report empirical research used to test hypotheses derived from psychological theory or its application, and to be able to critically evaluate scientific research produced by others. Prerequisite: Fundamental Math Skills requirement. (GE3B)

PSYC 102. Research Methods and Statistics in Psychology II. 5 Units.
This course is the second course in a two-course sequence required for the psychology major. This course will teach you how to design, complete, analyze, interpret, and report empirical research used to test hypotheses derived from psychological theory or its application, and to be able to critically evaluate scientific research produced by others. Prerequisite: PSYC 101 with a "C-" or higher.
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 017, PSYC 053, PSYC 102 with a C- or better.

PSYC 117. Advanced Lab in Clinical Psychology. 4 Units.
This advanced lab will focus on a more in-depth exploration of a specific topic area within the field of Clinical Psychology. The course will include a strong research/applied component that will help students get more hands on feel for research and/or application of the concepts Psychology, Testing and Assessment, or other topics. Prerequisites: PSYC 017, PSYC 053, PSYC 102 with a C- or better, or permission of instructor.

PSYC 118. Advanced Lab in Child Clinical Psychology. 4 Units.
This advanced lab will focus on a more in-depth exploration of a specific topic area within the field of Child Clinical 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 Parenting, Child Mental Health, or other topics. Prerequisites: PSYC 017, PSYC 102 with a C- or better.

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 102 with a C- or better. (DVSY, ETHC)

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, PSYC 102 with a C- or better.

PSYC 158. Behavioral Assessment. 4 Units.
An overview of behavioral assessment techniques is examined. Specific topics include data collection, inter-observer agreement, social validity, treatment integrity, functional assessment, stimulus preference assessment, indirect assessment techniques, and functional analysis procedures. Prerequisites: PSYC 053 and permission of instructor.

PSYC 162. Ethical Behavior. 4 Units.
This course will cover professional conduct and ethical behavior within the broad discipline of psychology, as well as the specific ethical and professional guidelines for the Behavior Analysis Certification Board (BACB®). This course addresses ethical decision-making, regulatory standards, and professional behavior in assessment, treatment, and research, in a variety of settings. Although this course will encompass a variety of disciplines and settings within psychology, primary attention will be given to those disciplines intersecting with the practice of applied behavior analysis and on those settings in which behavior analysts in practice are most likely to operate. Topics include accountability, confidentiality and informed consent, quality of services, quality of life, emergency management, research and academic settings, professional collaborations, boundaries, cultural competence, and ethical safeguards. Prerequisites: Junior standing or higher and permission of the instructor.

PSYC 165. Practicum. 1-4 Units.
This internship course gives experiences in a work setting and is contracted on an individual basis. PSYC 189 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 183. Research Design. 4 Units.
This course is the design and analysis of research using single subject and group designs. Prerequisite: PSYC 105 and permission of instructor.

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 189A. Applied Psychology Practicum. 4 Units.
Students will acquire skills necessary to the application of principles of general psychology to solve personal, organizational and social problems while serving as assistants to faculty and professional psychologists.

PSYC 191. Independent Study. 1-4 Units.

PSYC 195. Seminar. 4 Units.

PSYC 197. Independent Research. 1-4 Units.