

Psychology (PSYC)

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Department of Psychological Science Website (<https://fulbright.uark.edu/departments/psychological-science/>)

The Department of Psychological Science offers a major leading to a Bachelor of Arts in psychology. Psychologists are the scientists of human behavior and mental processes. They approach these areas from a variety of perspectives.

Clinical psychologists seek to identify the causes of abnormal behavior and to change these behaviors so their clients can live more satisfying and rewarding lives. Cognitive psychologists are interested in how knowledge and behavior are acquired, retained, and retrieved. Developmental psychologists study physical, cognitive, and social changes that occur throughout an individual's life. Neuroscientists are concerned with the biological bases of behavior. Social psychologists investigate social psychologists study our thoughts and feelings about ourselves and other people. Each of these perspectives is represented by members of the faculty in the Fulbright College Department of Psychological Science.

The Department of Psychological Science is one of the largest and most productive departments in the university in many ways. Our faculty members are active researchers who bring their scientific excitement and curiosity into the classroom. In addition the faculty is deeply committed to providing individualized training to our students, which is accomplished through experience in a faculty member's lab, or perhaps doing an honors project. We are one of the largest undergraduate majors, and our graduates pursue graduate training in many areas, including counseling, psychology, business, law, and medicine. Other graduates enter the workforce in diverse areas, including human and social services, business, banking, and non-profit organizations.

For requirements for advanced degrees in psychology, see the *Graduate School Catalog*.

Requirements for B.A. Degree with a Major in Psychology

Students must complete 120 degree credit hours to include the minimum University Core requirements (<http://catalog.uark.edu/undergraduatecatalog/academicregulations/universitycore/>), the Fulbright College of Arts and Sciences Graduation Requirements (<http://catalog.uark.edu/undergraduatecatalog/collegesandschools/jwilliamfulbrightcollegeofartsandsciences/>), and following course requirements for the major. Bolded courses from the list below may be applied to portions of the University Core requirements.

A minimum of 42 semester hours, including:

2003 Intermediate I of any World Language.	¹	3-6
PHIL 2003	Introduction to Philosophy (ACTS Equivalency = PHIL 1103)	3
or PHIL 2103	Introduction to Ethics (ACTS Equivalency = PHIL 1003)	

Select one of the following. Must complete with a grade of "C" or better:

MATH 2043	Survey of Calculus (ACTS Equivalency = MATH 2203)	3-4
MATH 2053	Finite Mathematics	
MATH 2554	Calculus I (ACTS Equivalency = MATH 2405)	

33 semester hours in psychology to include:

PSYC 2003	General Psychology (ACTS Equivalency = PSYC 1103)	3
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PSYC 2013	Introduction to Statistics for Psychologists	3
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PSYC 3073	Research Methods	3
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Select two of the following: 6

PSYC 3013	Social Psychology	
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PSYC 3023	Abnormal Psychology	
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PSYC 3093	Developmental Psychology (ACTS Equivalency = PSYC 2103)	
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PSYC 4053	Psychological Tests	
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PSYC 4063	Psychology of Personality	
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Select two of the following: 6

PSYC 3103	Cognitive Psychology	
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PSYC 4073	Psychology of Learning	
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PSYC 4123	Perception	
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PSYC 4143	History and Systems of Psychology	
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PSYC 4183	Behavioral Neuroscience	
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PSYC 4193	Comparative Psychology	
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Select three hours from one of the following: 3

PSYC 4083	Advanced Research	
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PSYC 4283	Advanced Seminar	
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Nine hours of electives and may be chosen from any psychology course in this catalog, with no more than a total of six hours in PSYC 206V, PSYC 207V, and PSYC 399VH combined.

A grade of "C" or better is required in all psychology courses used to satisfy the 33 hours of psychology courses. In addition, a 2.00 cumulative grade-point average is required on all work completed in the Department of Psychology.

Total Hours **42-46**

¹ This is usually accomplished through completion of a sequence of two language courses: 1013 and 2003.

Students who want to pursue graduate training in psychology are advised to begin preparations early in their undergraduate careers. Grade-point average, scores on the Graduate Record Examinations, effective communications skills, preparation in the natural sciences and mathematics, and research experience (e.g., honors project, directed readings, laboratory experience) are the major criteria considered by admissions committees. To gain this research experience students are strongly encouraged to take the advanced research course, PSYC 4083.

Students with applied, paraprofessional, or human-service interests who plan to enter the job market with a B.A. in psychology are strongly encouraged to take relevant courses in other areas of interest, including, but not limited to, anthropology, sociology, social work, human development and family studies, education, and business administration.

Students interested in business applications of psychology (e.g., marketing, management) are similarly encouraged to take related courses

in the Sam M. Walton College of Business; minors are also available in several areas of business. For more information concerning psychology as a major or careers in psychology and related fields, please contact the Psychology Advising Coordinator, Memorial Hall, room 203.

Writing Requirement: Students majoring in psychology will satisfy the Fulbright College writing requirement by successful completion (a grade of at least a "C") in either PSYC 4083 or PSYC 4283, each of which requires a final research paper written in American Psychological Association style.

Psychology B.A. Eight-Semester Degree Program

Students wishing to follow the eight-semester degree plan should see the Eight-Semester Degree Policy (<http://catalog.uark.edu/undergraduatecatalog/academicregulations/eightsemesterdegreecompletionpolicy/>) in the Academic Regulations chapter for university core requirements of the program. Courses in psychology groups A, B and Capstone courses are listed after the program plan.

	First Year		Units
	Fall	Spring	
ENGL 1013 Composition I (ACTS Equivalency = ENGL 1013) (Satisfies General Education Outcome 1.1)	3		
Select one of the following (Satisfies General Education Outcome 2.1):	3		
MATH 1203 College Algebra (ACTS Equivalency = MATH 1103)			
MATH 2043 Survey of Calculus (ACTS Equivalency = MATH 2203) ¹			
MATH 2053 Finite Mathematics			
MATH 2554 Calculus I (ACTS Equivalency = MATH 2405)			
Select one of the following (Satisfies General Education Outcome 3.3):	3		
PSYC 2003 General Psychology (ACTS Equivalency = PSYC 1103)			
State Minimum Core Social Sciences Course ²			
1013 Elementary II World Language Course (or higher level depending on placement)	3		
General Elective	3		
ENGL 1023 Composition II (ACTS Equivalency = ENGL 1023) (Satisfies General Education Outcome 1.1)		3	
Select one of the following MATH (if still needed):		3-4	
MATH 2043 Survey of Calculus (ACTS Equivalency = MATH 2203) ¹			
MATH 2053 Finite Mathematics			
MATH 2554 Calculus I (ACTS Equivalency = MATH 2405)			
General Elective			
PSYC 2013 Introduction to Statistics for Psychologists ¹		3	
or PSYC 2003 (if not taken earlier)			
Science State Minimum Core Lecture with Corequisite Lab requirement (Satisfies General Education Outcome 3.4)		4	

2003 Intermediate I World Language Course (as needed)		3
Year Total:	15	16

	Second Year		Units
	Fall	Spring	
PSYC Course from Group A ^{1, 3}	3		
Select one of the following:	3		
PSYC 3073 Research Methods ^{1, 3}			
PSYC 2013 Introduction to Statistics for Psychologists ((if not taken earlier)) ¹			
Satisfies General Education Outcomes 3.2 and 5.1:			
PHIL 2003 Introduction to Philosophy (ACTS Equivalency = PHIL 1103)		3	
or PHIL 2103 Introduction to Ethics (ACTS Equivalency = PHIL 1003)			
State Core Fine Arts or U.S. History/Government requirement (Satisfies General Education Outcome 3.1 or 4.2) ⁴		3	
State Minimum Core Social Sciences requirement (Select a course which satisfies General Education Outcomes 3.3 and 4.1) ⁵		3	
Advanced Level Elective ¹			3
Select one of the following:			3
PSYC 3073 Research Methods ^{1, 3}			
State Minimum Core Social Sciences requirement (Satisfies General Education Outcome 3.3) ²			
PSYC from Group A or B ^{1, 3}			3
State Minimum Core U.S. History/Government or Fine Arts requirement (as needed) (Satisfies General Education Outcome 4.2 or 3.1) ⁴			3
General Elective			3
Year Total:	15	15	

	Third Year		Units
	Fall	Spring	
PSYC Course from Group A or B (as needed) ^{1, 3}	3		
Select one of the following (Satisfies General Education Outcomes 1.2 and 6.1):	3		
PSYC 4083 Advanced Research ^{1, 3}			
PSYC 3000-4000-level Elective ^{1, 3}			
Science State Minimum Core Lecture with Corequisite Lab requirement (Satisfies General Education Outcome 3.4)		4	
General Electives		6	
Select one of the following:			3
PSYC Course from Group A or B (as needed) ^{1, 3}			
PSYC 3000-4000-Level Elective ^{1, 3}			
PSYC 4083 Advanced Research & PSYC 4283 Advanced Seminar ^{1, 3}			
Advanced Level Elective ¹			3
General Electives			10
Year Total:	16	16	

Fourth Year	Units	
	Fall	Spring
Select one of the following (Satisfies General Education Outcomes 1.2 and 6.1) : PSYC Course from Group A or B ^{1, 3} PSYC 4083 Advanced Research & PSYC 4283 Advanced Seminar ^{1, 3}	3	
PSYC Course from Group A or B (if needed) ^{1, 3}	3	
Advanced Level Elective ¹	3	
General Electives	6	
Select one of the following: PSYC 3000-4000 Level Elective ^{1, 3} PSYC 4083 Advanced Research & PSYC 4283 Advanced Seminar ^{1, 3}		3
Select one of the following: PSYC 3000-4000 Level Elective ^{1, 3} PSYC 4083 Advanced Research & PSYC 4283 Advanced Seminar ^{1, 3}		3
3000-4000 Level Elective ¹		3
General Electives		3
Year Total:	15	12
Total Units in Sequence:		120

¹ Meets 40-hour advanced credit hour requirement. See College Academic Regulations (<http://catalog.uark.edu/undergraduatecatalog/collegesandschools/jwilliamfulbrightcollegeofartsandsciences/>).

² The Social Sciences Elective courses which satisfy General Education Outcome 3.3 include: AGECE 1103, AGECE 2103, ANTH 1023, COMM 1023, ECON 2013, ECON 2023, ECON 2143, EDST 2003, HDFS 1403, HDFS 2413, HDFS 2603, HIST 1113, HIST 1113H, HIST 1123, HIST 1123H, HIST 2003, HIST 2013, HIST 2093, HUMN 1114H, HUMN 2114H, INST 2013, INST 2813, INST 2813H, PLSC 2003, PLSC 2013, PLSC 2203, PLSC 2813, PLSC 2813H, PSYC 2003, RESM 2853, SOCI 2013, SOCI 2013H, or SOCI 2033.

³ Meets 24-hour rule (24 hours of 3000-4000 level courses in Fulbright College), in addition to meeting the 40-hour rule. See College Academic Regulations (<http://catalog.uark.edu/undergraduatecatalog/collegesandschools/jwilliamfulbrightcollegeofartsandsciences/>).

⁴ The Fine Arts Elective courses which satisfy General Education Outcome 3.1 include: ARCH 1003, ARHS 1003, COMM 1003, DANC 1003, LARC 1003, MLIT 1003, MLIT 1003H, MLIT 1013, MLIT 1013H, MLIT 1333, THTR 1003, THTR 1013, or THTR 1013H.

⁵ The Social Sciences Elective courses which satisfy General Education Outcomes 3.3 and 4.1 include: ANTH 1023, COMM 1023, HDFS 1403, HDFS 2413, HIST 1113, HIST 1113H, HIST 1123, HIST 1123H, HIST 2093, HUMN 1114H, HUMN 2114H, INST 2013, INST 2813, INST 2813H, PLSC 2013, PLSC 2813, PLSC 2813H, RESM 2853, SOCI 2013, SOCI 2013H, or SOCI 2033.

Group A

Select two of the following:

PSYC 3013	Social Psychology
PSYC 3023	Abnormal Psychology
PSYC 3093	Developmental Psychology (ACTS Equivalency = PSYC 2103)

PSYC 4063 Psychology of Personality

PSYC 4053 Psychological Tests

Group B

Select two of the following:

PSYC 3103 Cognitive Psychology

PSYC 4073 Psychology of Learning

PSYC 4123 Perception

PSYC 4143 History and Systems of Psychology

PSYC 4183 Behavioral Neuroscience

PSYC 4193 Comparative Psychology

PSYC Capstone Courses

Three hours required with a grade of "C" or higher.

PSYC 4083 Advanced Research

PSYC 4283 Advanced Seminar

Requirements for a Minor in Psychology

Minimum of 18 hours in psychology including:

PSYC 2003	General Psychology (ACTS Equivalency = PSYC 1103)	3
PSYC 2173	Research Literacy in Psychological Science	3
PSYC Electives		12

A maximum of three hours of PSYC 206V and/or PSYC 207V can be counted toward meeting the minor requirement.

Total Hours **18**

A grade of "C" or better is required in all psychology courses used to satisfy the 18 hours of the minor. In addition, a 2.00 cumulative grade-point average is required on all work completed in the Department of Psychology. Students must consult with, and obtain the signature of, the Director of Undergraduate Studies in the department in order to declare a minor.

Requirements for Graduation with Honors in Psychology: Both the College and the Departmental Honors Program in Psychology provide undergraduate students with an opportunity to formally participate in scholarly psychology activities. Honors candidates carry out independent study and research under the guidance of the Psychological Science faculty and participate in special honors classes, seminars, and colloquia. Admission to the Fulbright College Honors Program is open to psychology majors with a minimum, cumulative grade point average of 3.5 in all coursework. Honors candidates must complete a minimum of 12 hours of honors courses, which may include up to 6 hours of thesis. In addition to satisfying the general college honors requirements, honors candidates in psychology are required to complete and orally defend an honors thesis based upon the independent study carried out in PSYC 399VH. To complete the required thesis successfully, students should choose an honors adviser as early as possible. An adviser should be selected, and an Honors Agreement completed, no later than the first semester in a student's junior year. Students must register for, and complete, a minimum of 6 hours of PSYC 399VH. PSYC 399VH may be taken for 1 to 6 hours of credit each semester and repeated for a maximum of 12 hours. Nine hours are ordinarily needed to complete the research project and to prepare the honors thesis.

College honors candidates must meet the college's requirements for an honors degree. Departmental honors candidates in psychology are encouraged to enroll in as many honors classes, seminars, and colloquia as possible, or as required by the honors program in which they are enrolled. Students graduating with honors typically graduate *cum laude*.

Higher degree distinctions (*magna cum laude*, *summa cum laude*) are awarded by the Honors Council, recommended only in truly exceptional cases, and are based upon the whole of the candidate's program of honors studies.

Psychology (B.A.) Teacher Licensure in Social Studies Requirements:

Please refer to the Secondary Education Requirements (<http://catalog.uark.edu/undergraduatecatalog/collegesandschools/jwilliamfulbrightcollegeofartsandsciences/#fieldsofstudytext>) for Fulbright College Students.

Students wanting to teach social studies in middle school should consult with a middle level adviser in the College of Education and Health Professions.

Faculty

Alwood, Nancy D., Ph.D., M.S. (University of Arkansas), Instructor, 2012.
Behrend, Douglas A., Ph.D. (University of Minnesota), B.A. (Kalamazoo College), Professor, 1989, 2009.
Beike, Denise R., Ph.D., B.A. (Indiana University), Professor, 1995, 2010.
Bridges, Ana Julia, Ph.D. (University of Rhode Island), M.S. (Illinois State University), B.S. (University of Illinois-Urbana-Champaign), Professor, 2007, 2019.
Brown, Mitchell J., Ph.D. (University of Southern Mississippi), M.A. (University of Dayton), B.A. (Lake Erie College), Instructor, 2022.
Cavell, Timothy A., Ph.D. (Louisiana State University), M.S. (Texas A&M University), B.A. (Louisiana State University), Professor, 2002.
Chapman, Kate M., Ph.D., M.S. (Penn State University), B.A. (New Florida College), Teaching Assistant Professor, 2016.
Ditzfeld, Christopher, M.S. (University of Oklahoma), Instructor, 2011.
Dopp, Alex R., Ph.D., M.A. (University of Missouri), B.A. (University of Michigan), Assistant Professor, 2016.
Eidelman, Scott H., Ph.D. (University of Kansas), B.A. (University of Wisconsin-Madison), Associate Professor, 2008, 2013.
Feldner, Matthew T., Ph.D. (University of Vermont), M.A. (West Virginia University), B.S. (University of Wisconsin-Stevens Point), Professor, 2005, 2015.
Forscher, Patrick, Ph.D. (University of Wisconsin), B.A. (Macalester College), Assistant Professor, 2017.
Ham-Holm, Lindsay S., Ph.D., M.A., B.A. (University of Nebraska-Lincoln), Associate Professor, 2007, 2012.
Holm, Jeremy, M.A., B.S. (University of Nebraska), Instructor, 2008.
Judah, Matt, Ph.D., M.S. (Oklahoma State University), B.A. (Ozark Christian College), Assistant Professor, 2020.
Lamm, Connie, Ph.D., M.A. (University of Toronto, Canada), B.A. (University of Waterloo), Assistant Professor, 2016.
Lampinen, James Michael, Ph.D., M.S. (Northwestern University), B.S. (Elmhurst College), Distinguished Professor, 1998, 2016.
Leen-Feldner, Ellen Winifred, Ph.D. (University of Vermont), M.A. (West Virginia University), B.A. (University of Notre Dame), Professor, 2005, 2017.
Leong, Josiah, Ph.D. (Stanford University), B.A. (University of California, Berkeley), Assistant Professor, 2020.
Levine, William H., Ph.D., M.S. (State University of New York at Binghamton), B.S. (DePaul University), Associate Professor, 2001, 2007.
Makhanova, Anatasia, Ph.D. (Florida State University), B.A. (Hendrix College), Assistant Professor, 2019.
Parks, Nathan A., Ph.D., M.S. (Georgia Institute of Technology), B.A. (University of Virginia), Assistant Professor, 2012.

Quetsch, Lauren, Ph.D., M.S. (West Virginia University), B.A. (Georgetown University), Assistant Professor, 2019.
Shields, Grant, Ph.D., M.A. (University of California, Davis), B.A. (Simpson College), Assistant Professor, 2020.
Vargas, Ivan, Ph.D. (University of Michigan), B.S. (Notre Dame University), Assistant Professor, 2019.
Veilleux, Jennifer Celene, Ph.D., M.A. (University of Illinois at Chicago), B.A. (Macalaster College), Associate Professor, 2011, 2017.
Zabelina, Darya, Ph.D. (Northwestern University), Assistant Professor, 2017.
Zamboanga, Byron L., Ph.D., M.A. (University of Nebraska), B.A. (University of California, Berkeley), Professor, 2020.
Zies, Brenda June, Ph.D., M.A. (University of Arkansas), B.S. (East Texas State University), Teaching Assistant Professor, 2005.

Courses

PSYC 2003. General Psychology (ACTS Equivalency = PSYC 1103). 3 Hours.

An introduction to the field of Psychology, including the investigation of the biological bases of behavior; learning and cognitive processes; developmental and social psychology; and personality, psychopathology, and the treatment of psychological disorders. Students will be expected to complete a research requirement. (Typically offered: Fall, Spring and Summer)

PSYC 2003H. Honors General Psychology. 3 Hours.

An introduction to the field of Psychology, including the investigation of the biological bases of behavior; learning and cognitive processes; developmental and social psychology; and personality, psychopathology, and the treatment of psychological disorders. Students will be expected to complete a research requirement. (Typically offered: Fall and Spring)

This course is equivalent to PSYC 2003.

PSYC 2013. Introduction to Statistics for Psychologists. 3 Hours.

Introduction to the descriptive and inferential statistics commonly used by psychologists. A grade of C or better in PSYC 2013 is required as a prerequisite for PSYC 3073. Corequisite: Drill component. Prerequisite: PSYC 2003 and MATH 2043 or MATH 2053 or MATH 2554, with a grade of C or better, and a Psychology major. (Typically offered: Fall, Spring and Summer)

PSYC 2043. The Psychology of Health and Well-being. 3 Hours.

Introduces students to the application of psychological science to healthy, meaningful living across the age span. Explores key research findings related to issues in modern living, including social connections, emotional adjustment, romantic relationships, parenting and schooling, family life, and work life. Prerequisite: PSYC 2003. (Typically offered: Spring)

PSYC 206V. Directed Readings. 1-4 Hour.

For undergraduate majors in psychology. Prerequisite: Six hours of psychology; Instructor's permission. (Typically offered: Fall, Spring and Summer) May be repeated for up to 6 hours of degree credit.

PSYC 207V. Laboratory Experience. 1-4 Hour.

Laboratory experience in psychology obtained by working as part of a faculty member's research team. Prerequisite: PSYC 2003 and Instructor's permission. (Typically offered: Fall, Spring and Summer) May be repeated for up to 12 hours of degree credit.

PSYC 2173. Research Literacy in Psychological Science. 3 Hours.

Training in critical evaluation of research in psychological science, including understanding statistics and research methods used by psychologists. Prerequisite: PSYC 2003 and a psychology minor. (Typically offered: Fall and Spring)

PSYC 3013. Social Psychology. 3 Hours.

Theories and representative research in social psychology, emphasizing the influence of the social world on human behavior. Introduction to the problems, theories, and experiments of social psychology. Prerequisite: PSYC 2003. (Typically offered: Fall and Spring)

PSYC 3023. Abnormal Psychology. 3 Hours.

Theories and representative research about the causes and treatment of the major forms of abnormal behavior. Prerequisite: PSYC 2003. (Typically offered: Fall and Spring)

PSYC 3063. Psychology of Diversity. 3 Hours.

Introduction to the psychology of diversity, including historical perspectives, biological and social bases of bias, individual differences, social identity, intergroup interactions, and power and privilege. Prerequisite: PSYC 2003. (Typically offered: Fall Even Years)

PSYC 3073. Research Methods. 3 Hours.

Training in execution and interpretation of experiments using the classical experimental designs. Limited enrollment. Prerequisite: PSYC 2013 and (MATH 2043, or MATH 2053, or MATH 2554) with a grade of "C" or better and a psychology major. (Typically offered: Fall and Spring)

PSYC 3093. Developmental Psychology (ACTS Equivalency = PSYC 2103). 3 Hours.

Theories and representative research in the psychological factors influencing development, including both hereditary and environmental influences, from conception through adolescence. Prerequisite: PSYC 2003. (Typically offered: Fall and Spring)

PSYC 3103. Cognitive Psychology. 3 Hours.

Introduction to theories and research in cognition including memory, language, and problem-solving. Prerequisite: PSYC 2003. (Typically offered: Spring)

PSYC 3173. Biopsychology. 3 Hours.

An introduction to the biological basis of behavior. Lectures cover current research about the neural correlates underlying sensory, motor, cognitive, and emotional processes. Prerequisite: PSYC 2003. (Typically offered: Spring)

PSYC 3923H. Honors Colloquium. 3 Hours.

Treats a special topic or issue, offered as part of the honors program. May be repeated when the content is changed. Prerequisite: honors candidacy (not restricted to candidacy in psychology). (Typically offered: Irregular) May be repeated for degree credit.

PSYC 399VH. Honors Course. 1-6 Hour.

Honors course. Prerequisite: Junior standing and instructor's permission. (Typically offered: Fall, Spring and Summer) May be repeated for up to 12 hours of degree credit.

PSYC 4033. Educational Psychology. 3 Hours.

Psychological theories and concepts applied to the educational process. Investigates the learner and instructional variables in a wide range of educational settings. Prerequisite: Six hours of psychology, not including PSYC 2013. (Typically offered: Irregular)

PSYC 4053. Psychological Tests. 3 Hours.

Nature and theory of individual and group tests of intelligence, personality, interests, and attitudes. Prerequisite: Nine hours of psychology, including a C or better in PSYC 2013. (Typically offered: Irregular)

PSYC 4063. Psychology of Personality. 3 Hours.

Theories and representative research concerning the development and nature of the normal personality. Prerequisite: Six hours of psychology, not including PSYC 2013. (Typically offered: Irregular)

PSYC 4073. Psychology of Learning. 3 Hours.

Theories and representative research on basic principles of learning and memory in both animals and humans. Prerequisite: Six hours of psychology, not including PSYC 2013. (Typically offered: Spring)

PSYC 4083. Advanced Research. 3 Hours.

A lecture/laboratory course covering research in a specialized area of psychology. Provides experience with design, conduct, analysis, and presentation of research projects related to class topics. Successful completion of the class, including a formal paper in APA style, with a grade of C or better will fulfill the senior writing requirement. Prerequisite: Eighteen hours of psychology including a grade of at least a C in PSYC 3073 and senior standing. (Typically offered: Fall and Spring)

PSYC 409V. Psychology Seminar. 1-3 Hour.

Provides intensive coverage of specialized psychological topics. Prerequisite: Six hours of psychology, not including PSYC 2013. (Typically offered: Irregular) May be repeated for up to 18 hours of degree credit.

PSYC 4123. Perception. 3 Hours.

Theories and representative research in the areas of sensation and perception. Prerequisite: Six hours of psychology, not including PSYC 2013. (Typically offered: Irregular)

PSYC 4143. History and Systems of Psychology. 3 Hours.

Examination of the concepts, methods, and systems which have contributed to the development of modern psychology. Prerequisite: Fifteen hours of psychology and senior standing. (Typically offered: Irregular)

PSYC 4183. Behavioral Neuroscience. 3 Hours.

Examination of the biological basis of behavior. Surveys the anatomy, physiology, and pharmacology of the mammalian brain and examines brain mechanisms underlying a wide range of behaviors and cognitive processes. Prerequisite: Six hours of psychology, not including PSYC 2013. (Typically offered: Fall)

PSYC 4193. Comparative Psychology. 3 Hours.

Analysis of animal behavior from an evolutionary perspective, with emphasis on the role of the environment and interactions with other animals in shaping the evolution of behavior within a species, and the evolution of differences in behavior between species. Prerequisite: Six hours of psychology, not including PSYC 2013. (Typically offered: Spring)

PSYC 4283. Advanced Seminar. 3 Hours.

A seminar/discussion class covering research in specialized areas of psychology. Students will read original sources and present their ideas and conclusions several formats. Successful completion of the class, including a formal paper in APA style, with a grade of C or better will fulfill the senior writing requirement. Prerequisite: Eighteen hours of psychology including a grade of at least a C in PSYC 3073; senior standing. (Typically offered: Fall and Spring)

PSYC 4433. Philosophy of Psychology. 3 Hours.

Explores philosophical issues concerning the domain, foundations and methodology of psychology, and the relation of psychological explanations to other scientific and philosophical investigations of the mind. Topics include cognitive architecture and the evolution of minds, extended or embodied cognition, perception and introspection, consciousness and attention, social cognition, thought and language. (Typically offered: Irregular)

This course is cross-listed with PHIL 4433.