

# Psychological Science (PSYC)

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

## Degrees Conferred:

M.A., Ph.D. (PSYC) (Note: The department does not offer a terminal master's degree.)

**Areas of Study:** The degree of Doctor of Philosophy is offered in the fields of experimental psychology and clinical psychology. The program is designed to produce experimental and clinical psychologists with broad knowledge of the field. Specialization for research is required during the student's last two years of study.

**Program Description:** The Experimental Training Program is designed to provide the basic skills and an approach to scientific investigation that will allow the graduate to engage in research in any of several broad areas. In addition to this broad training, the program provides specialty training the subareas of social, cognitive, and developmental psychology, as well as in neuroscience. The faculty and students typically have their primary research programs within one of these subareas, although collaboration is common across these areas. Students in the Experimental Training Program are trained to have excellent statistical and writing skills, to become competent and autonomous researchers, and to contribute to the field of psychology through presentations at professional conferences and publications in scholarly journals. Opportunities for extensive supervised teaching experience are also available to our students. Graduates of the Experimental Training Program typically obtain teaching and academic positions after graduation, while others take jobs in the private sector.

The Ph.D. program in Clinical Psychology follows the scientist/practitioner model of training. Although some of our graduates obtain applied, direct service provision positions, our training curriculum is such that those students whose career aspirations have been directed toward academic and research positions also have been successful. The Clinical Training Program is based on the premise that clinical psychologists should be skilled practitioners and mental health service providers as well as competent researchers. To facilitate these goals, we strive to maximize the match between the clinical and research interests of the faculty with those of the graduate students. The academic courses and clinical experiences are designed to promote the development in both areas. The objective of the Clinical Training Program is to graduate clinical psychologists capable of applying psychological theory, research methodology, and clinical skills to complex clinical problems

and diverse populations. The program is fully accredited by the American Psychological Association.

**Primary Areas of Faculty Research:** The faculty in the Department of Psychological Science engage in research ranging from memory to child psychology to emotion and more. Find out more about individual faculty member's interests at the Psychological Science faculty page (<http://fulbright.uark.edu/departments/psychological-science/people>).

## M.A. in Psychology

**Prerequisites to Degree Program:** The candidate for admission to graduate study in psychology must satisfy the requirements of the Graduate School and have the approval of the Admission Committee of the appropriate training program. Scores on the Graduate Record Examination General Tests must be submitted with the application. The student normally will be expected to have had at least 18 semester hours in psychology, including statistics and research methods, or their equivalents.

The program of study is designed primarily for the student who seeks the Ph.D. degree. Students interested in pursuing a terminal master's degree should not apply for admission. However, all Ph.D. candidates must complete requirements for the M.A. degree.

### Requirements for the Master of Arts Degree:

*Clinical*— minimum 30 hours. A student who seeks only the Master of Arts degree will be advised on selection of courses that will meet specific objectives. The student must complete 24 semester hours of course work and submit a research thesis. The thesis should be finished no later than the end of the second year of study.

*Experimental*— minimum 30 hours. A student who seeks only the Master of Arts degree must complete 24 hours of courses, including the following required courses:

|           |  |   |
|-----------|--|---|
| PSYC 4123 | Perception                                     | 3 |
| PSYC 5013 | Advanced Developmental Psychology              | 3 |
| PSYC 5063 | Advanced Social Psychology                     | 3 |
| PSYC 5113 | Theories of Learning                           | 3 |
| PSYC 5123 | Cognitive Psychology                           | 3 |
| PSYC 5143 | Advanced Descriptive Statistics for Psychology | 3 |
| PSYC 523V | Research Practicum                             | 2 |
| PSYC 6133 | Advanced Behavioral Neuroscience               | 3 |

In addition, the student must submit a research thesis.

Students should also be aware of Graduate School requirements with regard to master's degrees (<http://catalog.uark.edu/graduatecatalog/degree requirements/#mastersgreestext>).

## Ph.D. in Psychology

**Prerequisites to Degree Program:** The candidate for admission to graduate study in psychology must satisfy the requirements of the Graduate School and have the approval of the Admission Committee of the appropriate training program. Scores on the Graduate Record Examination General Tests must be submitted with the application. The student normally will be expected to have had at least 18 semester hours in psychology, including statistics and research methods, or their equivalents.

The program of study is designed primarily for the student who seeks the Ph.D. degree. Students interested in pursuing a terminal master's

degree should not apply for admission. However, all Ph.D. candidates must complete requirements for the M.A. degree.

#### Requirements for the Doctor of Philosophy Degree:

1. Students in the experimental psychology program must fulfill all the requirements for the Master of Arts degree and take four 6000-level experimental psychology seminars.
2. The clinical student must take the following required courses:

|           |  |   |
|-----------|--|---|
| PSYC 5013 | Advanced Developmental Psychology  | 3 |
| PSYC 5033 | Psychopathology Theory & Assessment                                      | 3 |
| PSYC 5043 | Assessment of Intellectual and Cognitive Abilities                       | 3 |
| PSYC 5063 | Advanced Social Psychology   | 3 |
| PSYC 5313 | Introduction to Clinical Science: Research Design and Ethical Guidelines | 3 |
| PSYC 5073 | Introduction to Clinical Practice: Core Skills and Ethical Guidelines    | 3 |
| PSYC 5113 | Theories of Learning   | 3 |
| PSYC 5133 | Inferential Statistics for Psychology                                    | 3 |
| PSYC 5143 | Advanced Descriptive Statistics for Psychology                           | 3 |
| PSYC 5153 | Advanced History and Systems of Psychology                               | 3 |
| PSYC 5163 | Personality: Theory & Assessment   | 3 |
| PSYC 6133 | Advanced Behavioral Neuroscience   | 3 |
| PSYC 6163 | Psychotherapy  | 3 |
| PSYC 6213 | Psychotherapy Outcomes   | 3 |

3. The clinical student must take a clinical practicum (PSYC 607V) each semester on campus. The student must complete a one-year pre-doctoral internship at an approved facility. It may precede or follow completion of the dissertation at the discretion of the advisory committee, but it must be completed prior to formal granting of the degree.

4. All students must pass a written candidacy examination at a time recommended by the student's advisory committee.
5. All students must complete a dissertation demonstrating independent scholarship and originality in research and its oral defense.

The candidacy examination focuses upon methods characteristic of the field and upon specific content areas that are appropriate for each student. This examination may not be given until the M.A. thesis has been accepted, and it must be completed before dissertation research is begun. The final oral examination deals primarily with the dissertation research.

Students should also be aware of Graduate School requirements with regard to doctoral degrees ([http://catalog.uark.edu/graduatecatalog/degree\\_requirements/#phdandeddgreestext](http://catalog.uark.edu/graduatecatalog/degree_requirements/#phdandeddgreestext)).

## Graduate Faculty

**Behrend, Douglas A.**, Ph.D. (University of Minnesota), B.A. (Kalamazoo College), Professor, 1989.

**Beike, Denise R.**, Ph.D., B.A. (Indiana University), Professor, 1995.

**Bridges, Ana Julia**, Ph.D. (University of Rhode Island), M.S. (Illinois State University), B.S. (University of Illinois-Urbana-Champaign), Associate Professor, 2007.

**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), Visiting 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.

**Feldner, Matthew T.**, Ph.D. (University of Vermont), M.A. (West Virginia University), B.S. (University of Wisconsin-Stevens Point), Professor, 2005.

**Ham-Holm, Lindsay S.**, Ph.D., M.A., B.A. (University of Nebraska-Lincoln), Associate Professor, 2007.

**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.

**Leen-Feldner, Ellen Winifred**, Ph.D. (University of Vermont), M.A. (West Virginia University), B.A. (University of Notre Dame), Professor, 2005.

**Levine, William H.**, Ph.D., M.S. (State University of New York at Binghamton), B.S. (DePaul University), Associate Professor, 2001.

**Parks, Nathan A.**, Ph.D., M.S. (Georgia Institute of Technology), B.A. (University of Virginia), Assistant Professor, 2012.

**Petretic, Patricia Ann Louise**, Ph.D., M.A. (Bowling Green State University), B.A. (Youngstown State University), Associate Professor, 1990.

**Steinmetz, Joseph E.**, Ph.D. (Ohio University), M.A., B.S. (Central Michigan University), Distinguished Professor of Psychological and Brain Science, 2016.

**Veilleux, Jennifer Celene**, Ph.D., M.A. (University of Illinois at Chicago), B.A. (Macalaster College), Associate Professor, 2011.

**Zabelina, Darya**, Ph.D. (Northwestern University), Assistant Professor, 2017.

**Zies, Brenda June**, Ph.D., M.A. (University of Arkansas), B.S. (East Texas State University), Visiting Assistant Professor, 2005.

## Courses

### 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.

### 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.

Prerequisite: Six hours of psychology, not including PSYC 2013.

### 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.

Prerequisite: Six hours of psychology, not including PSYC 2013.

### 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.

Prerequisite: Six hours of psychology, not including PSYC 2013.

### 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.

### 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.

Prerequisite: Six hours of psychology, not including PSYC 2013.

**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.

**PSYC 5013. Advanced Developmental Psychology. 3 Hours.**

Critical examination of the research relevant to the psychological factors influencing the growth processes of the individual from birth to maturity.

**PSYC 5023. Neuropsychological Assessment. 3 Hours.**

Introduction to the principles, techniques, and tools of assessment in clinical neuropsychology. Includes training in the interpretation, integration, and reporting of results. Prerequisite: PSYC 5043 and enrollment in the Psychology graduate program.

**PSYC 5033. Psychopathology Theory & Assessment. 3 Hours.**

Psychological and somatic factors contributing to pathological behavior. Interrelations of these factors will be analyzed in terms of how they lead to differential abnormal states. Includes guidelines for using structured interviews in the diagnosis and clinical assessment of major psychological disorders. Prerequisite: PSYC 3023 and enrollment in the Graduate Program in Psychology, or instructor consent.

**PSYC 5043. Assessment of Intellectual and Cognitive Abilities. 3 Hours.**

Training in the theory, administration and interpretation of individual tests of intelligence and mental ability. Prerequisite: PSYC 4053 and enrollment in the Psychology Graduate Program.

**PSYC 5063. Advanced Social Psychology. 3 Hours.**

Theory, methodology, and contemporary research in the major areas of social psychology. Topics include attitude theory and measurement, group processes, social and cultural factors.

**PSYC 5073. Introduction to Clinical Practice: Core Skills and Ethical Guidelines. 3 Hours.**

An introduction to clinical practice focusing on a) interview methods and techniques and b) ethical principles and guidelines. Includes an introduction to clinic policies and procedures. Prerequisite: Enrollment in the Psychology graduate program.

**PSYC 5080. Observational Practicum. 0 Hours.**

Observation of senior therapists in the provision of psychodiagnostic and psychotherapeutic techniques. Pre- or Corequisite: Doctoral students only. May be repeated for up to 0 hours of degree credit.

**PSYC 5113. Theories of Learning. 3 Hours.**

Major concepts in each of the important theories of learning.

**PSYC 5123. Cognitive Psychology. 3 Hours.**

Contemporary theories and research on human information processing including topics such as memory, language, thinking, and problem solving.

**PSYC 5133. Inferential Statistics for Psychology. 3 Hours.**

Inferential statistics, including representative parametric tests of significance. Special emphasis on analysis of variance, covariance, and component variance estimators as applied to psychological research. Prerequisite: PSYC 2013.

**PSYC 5143. Advanced Descriptive Statistics for Psychology. 3 Hours.**

Special correlation techniques followed by a survey of representative nonparametric tests of significance. Major emphasis on advanced analysis of variance theory and designs. Prerequisite: PSYC 5133.

**PSYC 5153. Advanced History and Systems of Psychology. 3 Hours.**

Advanced examination of the concepts, methods, and systems which have contributed to the development of modern psychology.

**PSYC 5163. Personality: Theory & Assessment. 3 Hours.**

An introduction to empirically based theories of personality and personality disorders with an emphasis on standardized instruments in the assessment of normative and pathological personality. Includes training in the interpretation, integration, and reporting of results. Pre- or Corequisite: PSYC 5043. Prerequisite: Enrollment in the Psychology graduate program or instructor consent.

**PSYC 523V. Research Practicum. 1-3 Hour.**

Presentation, evaluation, and discussion of on-going research proposals. Required of all experimental graduate students in the first 2 years of their program.

**PSYC 5313. Introduction to Clinical Science: Research Design and Ethical Guidelines. 3 Hours.**

Provides a) guidelines for designing and conducting empirical research in clinical psychology, b) ethical principles that regulate clinical research, and c) supervised opportunities to develop a clinical research proposal. Prerequisite: Enrollment in the Psychology graduate program.

**PSYC 5463. Descriptive Linguistics. 3 Hours.**

This course aims to approach a scientific study of language with primary emphasis on modern linguistic theory and analysis. Topics include phonology, morphology, syntax, semantics, language acquisition, and historical development of world languages.

This course is cross-listed with WLLC 5463, ANTH 5473, ENGL 5463.

**PSYC 600V. Master's Thesis. 1-6 Hour.**

Master's Thesis. May be repeated for degree credit.

**PSYC 602V. Seminar: Teaching Psychology. 1-3 Hour.**

Survey of the literature on teaching of psychology in college. Includes: planning the course, method, examining and advising students. Prerequisite: Teaching assistant.

**PSYC 607V. Clinical Practicum III. 1-3 Hour.**

Provides supervised experience in the application of the more complex and lesser known psychodiagnostic techniques and training and experience in psychotherapeutic techniques with the more severe functional disorders, with special topics in these domains emphasized across sections. Prerequisite: PSYC 5073; Enrollment in the Psychology graduate program. May be repeated for degree credit.

**PSYC 609V. Clinical Graduate Seminar. 1-3 Hour.**

Provides intensive coverage of specialized clinical topics. Open to all graduate students. May be repeated for up to 9 hours of degree credit.

**PSYC 611V. Individual Research. 1-18 Hour.**

Individual research. May be repeated for up to 18 hours of degree credit.

**PSYC 6133. Advanced Behavioral Neuroscience. 3 Hours.**

Examination of the biological basis of behavior, with emphasis on underlying neural mechanisms.

**PSYC 6163. Psychotherapy. 3 Hours.**

A conceptual overview of psychotherapy, with emphasis on a) common mechanisms, and b) cognitive, affective, and interpersonal approaches. Prerequisite: PSYC 5033.

**PSYC 6213. Psychotherapy Outcomes. 3 Hours.**

Provides a critical evaluation of theory and research on empirically supported programs and interventions for major psychological disorders. Prerequisite: Enrollment in the Psychology graduate program.

**PSYC 6323. Seminar in Developmental Psychology. 3 Hours.**

Discussion of selected topics in the area of human development. Emphasis will be on a review of current theory and empirical research. Topics selected for discussion could range from early development (child psychology), to later development (psychology of adulthood and aging-gerontology), to current attempts to integrate the field (life-span developmental psychology).

**PSYC 6343. Seminar in Quantitative Methods. 3 Hours.**

Discussion of selected mathematical approaches to theorizing and research in psychology. Emphasis will be on generalization of a given approach across several content areas of psychology. Hence, while each area must be treated in reasonable depth, current thinking and research spanning more than one content area will be stressed.

**PSYC 6353. Seminar in Learning/Memory/Cognition. 3 Hours.**

Discussion of selected topics in learning, memory, or cognition. Emphasis on current theory and empirical research. Topics selected for discussion may be in the areas of learning, memory, problem solving, or language.

**PSYC 6373. Seminar in Personality and Social Psychology. 3 Hours.**

Discussion of selected topics in social psychology and personality. Current theoretical positions and recent research findings are emphasized. Topics selected for discussion will be in areas of intrapersonal processes, interpersonal processes, group processes or any of various areas of personality.

**PSYC 6413. Seminar in Physiological Psychology. 3 Hours.**

Discussion of selected topics in physiological psychology. Emphasis will be on a review of current theory and empirical research. Each offering of the seminar will examine the biological basis of a specific aspect of behavior, utilizing both animal and human data.

**PSYC 698V. Field Work. 1-3 Hour.**

Provides academic credit for field work in multidisciplinary setting, involving supervised experiences in assessment and psychotherapy. May be repeated for degree credit.

**PSYC 699V. Clinical Psychology Internship. 1-3 Hour.**

Supervised experience in a multidisciplinary setting of assessment and psychotherapy. May be repeated for degree credit.

**PSYC 700V. Doctoral Dissertation. 1-18 Hour.**

Doctoral Dissertation. Prerequisite: Candidacy. May be repeated for degree credit.