

DEPARTMENT OF PSYCHOLOGY

The Department of Psychology offers the Master of Science Degree in Psychology and the Doctor of Philosophy Degree in Psychology.

- M.S. in Psychology (p. 1)
- Ph.D. in Psychology (p. 2)

Master of Science Degree in Psychology

The Master of Science degree in Psychology is designed to address the needs of two groups of students: students who wish to pursue doctoral studies and desire additional coursework and research experience in order to be more competitive for admission to doctoral programs, and students who need graduate-level training in order to be competitive for jobs in behavioral, psychological, and related research settings. The program is designed to give students extensive research experience and coursework in research methodology, statistics, and the content areas of research-based psychology (e.g., social, personality, cognitive, developmental, clinical).

Program Admission Requirements

All application materials must be submitted using the University's online application system and received by the program-specific Fall deadline (see The Graduate Admissions website (<https://future.utsa.edu/graduate/>)). Degree-seeking students are not admitted for the Spring or Summer semesters due to course-sequence requirements in the program. Applicants for unconditional admission must meet University-wide admission requirements in addition to the following Psychology admission requirements:

1. Completion of a minimum of 18 undergraduate semester credit hours in Psychology (12 of which must be at the upper-division level). These hours must include at least one course in statistics and one course in experimental psychology or psychological research methods. A single course that combines instruction in statistics and experimental methodology may be accepted, pending the approval of the Graduate Committee in Psychology.
2. A grade point average of at least 3.5 in the last 60 hours of undergraduate coursework and a grade point average of at least 3.5 in all psychology courses taken.
3. A grade of "B" or higher in a statistics for psychology course (equivalent to PSY 2073 Statistics for Psychology) and a psychological research methods course (equivalent to PSY 3403 Experimental Psychology).
4. A description of research experience (e.g., independent study/ internship, employment, etc.) in basic or applied settings must be provided before the application is considered complete. Amount and nature of experience will be considered as part of the selection criteria for admission to the program.
5. A statement of professional goals and reason for interest in pursuing a master's in Psychology and interest in this program specifically must be provided before the application is considered complete. These statements will be evaluated and considered as part of the selection criteria for admission to the program.
6. A paper the student submitted as an assignment for credit in an organized course (e.g., a solo-written proposal for an experimental psychology or research design course) or independent study.

Other forms of assignment submitted for credit may be considered acceptable if of similar length to the examples given above.

7. Two letters of recommendation from professionals with the background to assess the candidate's academic or research potential in Psychology (e.g., undergraduate instructors, research advisors) must be submitted and will be evaluated as part of the selection criteria. Recommendation forms are included in the online application materials.
8. Applicants have the option of submitting scores on the verbal, quantitative, and analytical writing sections of the Graduate Record Examination (GRE). If submitted, these scores will be used as part of the selection criteria for admission to the program.

Applicants who do not meet requirements for unconditional admission may be considered for conditional admission if there are indications of unrealized potential. The highly individualized nature of the program dictates that a limited number of students be admitted each year. As such, students who meet the minimum requirements are not necessarily guaranteed admission, and early submission of application materials is strongly encouraged.

Degree Requirements

The minimum number of semester credit hours required for this degree, exclusive of coursework or other study required to remove admission deficiencies, is 36. Typically, students complete the program in two years (taking three courses a semester, excluding summers) or three years (taking two courses a semester, excluding summers).

Degree candidates must complete the following requirements:

Code	Title	Credit Hours
A. 12 semester credit hours of core courses:		12
PSY 5213	Research Design	
PSY 5413	Inferential Statistics	
PSY 6113	Psychological Measurement	
PSY 6213	Correlation and Regression Analyses	
B. 6 semester credit hours chosen from the following:¹		6
PSY 5303	Developmental Psychology	
PSY 5313	Seminar in Psychopathology	
PSY 5333	Social Psychology	
PSY 5343	Human Cognition	
PSY 5383	Biological Psychology	
or PSY 7103	Advanced Topics in Biopsychology	
C. 6 semester credit hours chosen from the following:¹		6
PSY 5323	Individual Differences and Assessment	
PSY 5353	Industrial/Organizational Psychology	
PSY 5363	Health Psychology	
PSY 5393	Multicultural Psychology	
or PSY 7143	Advanced Topics in Diversity and Health Disparities	
PSY 6223	Couple and Family Psychology Research	
PSY 6373	Special Topics in Psychology	
Or any courses listed above in Section B		
D. 6 semester credit hours of electives chosen from the following:¹		6
PSY 6813	Research Internship	
PSY 6921	Master's Research	

PSY 6923	Masters Research
PSY 6926	Masters Research
PSY 6951	Independent Study
PSY 6953	Independent Study
PSY 6373	Special Topics in Psychology
E. Option 1 (with thesis) or Option 2 (without thesis)	
Option 1 (with thesis):	
6 semester credit hours of electives chosen from the following:	
PSY 6983	Master's Thesis
or PSY 6981	Master's Thesis
or PSY 6986	Master's Thesis
Option 2 (without thesis):	
3 additional hours must be completed from the course options listed in Sections B or C, and PSY 6813 Research Internship must be completed for an additional 3 hours of credit from the electives listed in Section D. Students seeking this option must notify the Psychology Graduate Program Committee of their intent at least one semester prior to their anticipated graduation date. Students should expect to take the comprehensive examination required for this option during the semester in which they plan to complete the degree. The comprehensive examination can be attempted twice but only once a semester.	
Total Credit Hours	
36	

¹ Other graduate-level courses may apply to this section with the approval of the Graduate Advisor of Record (GAR).

Students admitted to the program should consult the Graduate Advisor of Record for specific program requirements.

The program does not require proficiency in a foreign language. A written thesis proposal, approved by the student's thesis committee, is required before the student may register for PSY 6981, PSY 6983, or PSY 6986 Master's Thesis.

Doctor of Philosophy Degree in Psychology

The Doctor of Philosophy degree in Psychology is designed for students who have completed a master's degree and are interested in pursuing advanced doctoral training in psychological research. Graduates will have a reputation for excellence in both theoretical and applied aspects of research, particularly research drawing on core areas of psychology with either direct or downstream implications for health. Graduates are expected to have strong skills in conducting research, including data analysis and interpretation, using the most advanced research methods and statistical techniques. Graduates are also expected to be able to implement practical applications of psychological theory in applied settings, particularly military health settings, and to have the communication skills necessary to convey their theoretical and methodological expertise to others. In order to meet these objectives, the program provides students with the opportunity to acquire a strong conceptual background in psychology and gives them opportunities for advanced training in quantitative and research methodologies. The program also provides students with opportunities to develop their scientific writing and oral communication skills and to apply their knowledge and skills in both laboratory settings and in ecologically-valid settings pertaining to military health.

Program Admission Requirements

All application materials must be submitted using the University's online application system and received by the published deadline (<https://future.utsa.edu/programs/doctoral/psychology/#deadline>). Degree-seeking students are not admitted for the Spring or Summer semesters due to course-sequence requirements in the program. Applicants for unconditional admission must meet University-wide admission requirements in addition to the following Psychology admission requirements:

1. Hold a 36-hour master's degree in Psychology that required completion of a research-based master's thesis and courses comparable to those required by the UTSA Master of Science in Psychology program. Applicants who have not completed a master's thesis, and/or did not take courses comparable to those required by the UTSA Psychology M.S. program, may be considered for admission with conditional status pending successful completion of all deficiencies.
2. Submit a master's degree transcript documenting a grade point average (GPA) of 3.5 or higher. If a master's degree has not been completed, a transcript documenting a minimum GPA of 3.5 in the last 60 hours of coursework will be required for students seeking conditional admission to the program.
3. Graduate Record Examination (GRE) General Test scores no older than five years, which will be weighed in conjunction with the other material in the applicant's file.
4. Three letters of recommendation from behavioral researchers (e.g., graduate instructors, research advisors) indicating the applicant has the necessary academic and personal attributes for success in the program and has the potential for making significant contributions in the field of psychology.
5. A 3-page statement of career goals, research interests, and purpose for pursuing a Ph.D. in Psychology at UTSA. This statement will be evaluated and considered as part of the selection criteria for admission to the program.
6. Documentation of prior research experience. A completed master's thesis is the most common form of document submitted. **Other documents on which the applicant was the primary author (i.e., was responsible for the overwhelming majority of the writing) may also be acceptable.** Examples of acceptable alternatives include a published research article **or manuscript prepared for publication on which the applicant had primary responsibility for writing and design or**, for those applying while their master's thesis is in progress, an approved thesis proposal or research paper submitted for credit in an independent or honors study project. Other forms of documentation will be acceptable if judged by the committee to be substantially similar to the alternatives provided.
7. Applicants whose native language is not English must submit scores from the Test of English as a Foreign Language (TOEFL) iBT with a minimum score of 79. Applicants scoring below 100 will need to take part in UTSA's English Language Assessment Program before registration, the results of which may result in the applicant being required to enroll in English for International Students courses prior to the end of their first year at UTSA.
8. Applicants may be asked to complete an interview by phone or video chat as part of the review process.

For consideration of conditional admission into the Ph.D. program in Psychology, applicants must have a bachelor's degree in Psychology or a related discipline with a grade point average of 3.5 or higher, and

must have completed at least 18 upper-division and/or graduate hours in Psychology, including Experimental Methods and Statistics, with a grade point average of 3.5 or higher. All other requirements for admission, listed above, must be met.

Students who do not possess a master's degree in Psychology or a related discipline are required to complete a program consisting of a minimum of 72 semester credit hours at UTSA. The Doctoral Program Committee will determine courses and/or research experience required in addition to the doctoral coursework for each conditionally-admitted student, which will normally include master's-level courses in Research Design, Psychological Measurement, Inferential Statistics, Correlation and Regression, and a thesis-level research project, before the student is allowed to enroll in doctoral-level courses.

Degree Requirements

The degree requires a minimum of 48 semester credit hours beyond the master's degree, passing of qualifying written and oral examinations, and acceptance of the Ph.D. dissertation. The 48 hours of doctoral coursework include 9 hours of core courses, 12 hours of Advanced Topics seminars, 6 hours of Prescribed Electives, 9 hours of Doctoral Research, and 12 hours of Doctoral Dissertation. Students must maintain an overall grade point average of 3.0 to remain in good standing academically and to graduate. Degree requirements beyond the master's degree must be completed within six calendar years from the date on which the student enters the doctoral program. To use graduate courses not listed in the degree plan as electives, the student must have approval from the Graduate Advisor of Record.

Degree candidates admitted unconditionally to the program must complete the following requirements:

Code	Title	Credit Hours
A. 9 semester credit hours of core courses:		9
PSY 7003	Multivariate Statistical Analysis	
PSY 7013	Advanced Research Design	
PSY 7023	Military Health Psychology	
B. 12 semester credit hours chosen from the following Advanced Topics seminars:		12
PSY 7103	Advanced Topics in Biopsychology	
PSY 7113	Advanced Topics in Clinical Psychology	
PSY 7123	Advanced Topics in Applied Social Psychology	
PSY 7133	Advanced Topics in Applied Cognitive Psychology	
PSY 7143	Advanced Topics in Diversity and Health Disparities	
C. 6 semester credit hours of prescribed electives chosen from any graduate level courses. These include but are not limited to the following:		6
HTH 5083	Epidemiology	
PSY 6373	Special Topics in Psychology	
PSY 7203	Grant Development	
PSY 7213	Program Evaluation	
PSY 7223	Bayesian Statistics for the Social Sciences	
PSY 7233	Developmental Psychology	
STA 6253	Time Series Analysis and Applications	
STA 6413	Nonparametric Statistics	

STA 6853	Categorical Data Analysis	
D. 9 semester credit hours from a combination of the following research activities:		9
PSY 6813	Research Internship	
PSY 7911	Doctoral Research	
PSY 7912	Doctoral Research	
PSY 7913	Doctoral Research	
PSY 7914	Doctoral Research	
PSY 7915	Doctoral Research	
PSY 7916	Doctoral Research	
E. 12 semester credit hours of Doctoral Dissertation from the following:		12
PSY 7921	Doctoral Dissertation	
PSY 7922	Doctoral Dissertation	
PSY 7923	Doctoral Dissertation	
PSY 7924	Doctoral Dissertation	
PSY 7925	Doctoral Dissertation	
PSY 7926	Doctoral Dissertation	
Total Credit Hours		48

Qualifying Examination

Students may take the qualifying examination upon successful completion of a minimum of 18 hours of coursework that includes 9 hours of core courses, 3 to 6 hours of Advanced Seminar Topics, and up to 3 hours of electives. The written examination will be constructed, administered, and evaluated by a committee selected from the doctoral program faculty and approved by the Doctoral Program Committee. The written portion of the examination will cover the areas of the program's core courses and other specialized courses taken by the student, and will include a written grant proposal. The oral examination will be conducted by the dissertation committee and will be administered after a student has passed the written examination and before the student begins dissertation research. If a student does not pass one or both portions of the qualifying exam, he or she may be given a second attempt to take the failed portion(s), with permission of the Doctoral Program Committee. No more than two attempts to pass either portion of the qualifying exam will be allowed.

Doctoral Dissertation Committee and Proposal Defense

Following successful completion of the qualifying examination, the student and the Supervising Professor will select a Dissertation Committee, the membership of which requires approval by the Dean of the College and the Dean of the Graduate School (see the Graduate Catalog, Doctoral Degree Regulations, for further information on requirements of committee composition). Following the approved selection of a Dissertation Committee, students will be expected to write a dissertation proposal for a project that contributes original knowledge to the existing body of research. Students will be required to pass an oral defense of their dissertation proposal, conducted by the student's Dissertation Committee, which addresses the contribution to scholarly research as specified by University-wide requirements. Students must successfully defend the proposal in order to qualify for doctoral degree candidacy.

Advancement to Candidacy

Doctoral students can apply for admission to candidacy (ABD status) once they have met all requirements for the doctoral degree other than their dissertation research. The requirements include successfully

completing all coursework, passing the qualifying examination, submitting and successfully defending the dissertation proposal, and forming a Dissertation Committee approved by the University.

Dissertation and Final Defense

Following admission to candidacy, students must demonstrate their ability to conduct independent research by writing and successfully defending an original dissertation that makes a significant contribution to the field. The student, in consultation with his or her Supervising Professor, determines the research topic. The student's Dissertation Committee will help guide and critique the candidate's research. Students should be continually registered in Doctoral Dissertation (PSY 7921-PSY 7926) each semester the dissertation research is in progress. The completed dissertation must be defended publicly before the Dissertation Committee and approved by the committee. The Supervising Professor must notify the Graduate School in writing at least two weeks prior to the final scheduled oral defense. Awarding of the degree is based on the approval of the Dissertation Committee and the acceptance of the Graduate School. The Dean of the Graduate School certifies the completion of all University-wide requirements (see the Graduate Catalog, Doctoral Degree Regulations, for further information).

Psychology (PSY) Courses

PSY 5113. Professional Ethics and Standards. (3-0) 3 Credit Hours.

Prerequisite: Consent of the instructor or admission to the psychology program. An examination of the professional standards, ethics, and theoretical and methodological assumptions governing the conduct and publication of research in psychology. (Formerly titled "Research Paradigms in Psychology.") Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 5213. Research Design. (3-0) 3 Credit Hours.

Prerequisite: Consent of the instructor or admission to the psychology program. An examination of criteria and procedures for translating questions of theory and application into effective and relevant research plans. (Formerly titled "Design Considerations in Behavioral Research.") Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 5303. Developmental Psychology. (3-0) 3 Credit Hours.

Prerequisite: PSY 5213 or consent of instructor. A critical analysis of the theories and empirical evidence that form the basis for understanding developmental processes and age-related change. Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 5313. Seminar in Psychopathology. (3-0) 3 Credit Hours.

Prerequisites: PSY 5213 and prior consent of instructor. A critical review of the phenomenon of psychological/psychiatric illness and an outline of the DSM criteria for diagnosing mental, emotional, and behavioral disorders. Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 5323. Individual Differences and Assessment. (3-0) 3 Credit Hours.

Prerequisite: PSY 5213 or consent of instructor. A critical analysis of the theories and empirical data regarding the psychological processes that underlie the manifestation of individual differences in human thought and behavior. Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 5333. Social Psychology. (3-0) 3 Credit Hours.

Prerequisite: PSY 5213 or consent of instructor. A critical analysis of the theories and empirical findings regarding the psychological processes that underlie human social behavior. (Formerly titled "Research Seminar in Social Psychological Research.") Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 5343. Human Cognition. (3-0) 3 Credit Hours.

Prerequisite: PSY 5213 or consent of instructor. A critical analysis of the ways that humans select, organize, store, retrieve, modify, and apply information about external events. Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 5353. Industrial/Organizational Psychology. (3-0) 3 Credit Hours.

Prerequisite: PSY 5213 or consent of instructor. A critical analysis of the theories, research methodology, and empirical findings that form the basis for understanding work behavior. Additional focus on methods used to assess and evaluate behavior and jobs. Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 5363. Health Psychology. (3-0) 3 Credit Hours.

Prerequisite: PSY 5213 or consent of instructor. A critical analysis of the theories, research methods, empirical findings, and applications that form a basis for understanding psychological factors in physical and mental health. (Formerly titled "Research Seminar in Psychology and Health.") Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 5383. Biological Psychology. (3-0) 3 Credit Hours.

Prerequisite: PSY 5213 or consent of instructor. A critical analysis of the theories, research methodology, and empirical findings that form the basis for understanding the biological principles that underlie human behavior. Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 5393. Multicultural Psychology. (3-0) 3 Credit Hours.

Prerequisite: PSY 5213 or consent of instructor. The course provides a foundation for a "context sensitive" psychology influenced by the social, cultural, and environmental contexts in which psychological theory is generated and tested. Topics may include cultural influences on the self-concept, cultural influences within "universal" behaviors, cultural differences for participating in groups and societies, and the influence of culture on personal relationships. Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 5413. Inferential Statistics. (3-0) 3 Credit Hours.

Prerequisite: PSY 5213. Application of selected parametric and nonparametric procedures to the analysis and interpretation of empirical data. Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 6113. Psychological Measurement. (3-0) 3 Credit Hours.

Prerequisite: Consent of instructor or admission to the psychology program. An examination of the criteria and procedures used to develop valid and reliable measures of psychological constructs and human behavior. (Formerly titled "Perspectives in Measurement of Behavior.") Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 6213. Correlation and Regression Analyses. (3-0) 3 Credit Hours.

Prerequisite: PSY 5213 or consent of instructor. Application of selected multivariate procedures to the analysis and interpretation of empirical data. Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 6223. Couple and Family Psychology Research. (3-0) 3 Credit Hours.

Prerequisite: PSY 5213 or PSY 7013, and PSY 5413 or equivalent. Couple and family psychology is a specialty area within the field of psychology. This course will focus on systems and evidence based models of couple and family functioning and psychological research methods to study couples and families. Family structure, process and relationship patterns of couples and families will be a focus of this course. Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 6373. Special Topics in Psychology. (3-0) 3 Credit Hours.

Prerequisite: Consent of instructor and student's graduate advisor. An organized course offering the opportunity for specialized study not often available as part of the regular course offerings. The course may be repeated for credit when the topics vary. May be applied to the Master's or Doctoral degree. (Formerly PSY 6973. Credit cannot be earned for both PSY 6973 and PSY 6373.) Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 6813. Research Internship. (0-0) 3 Credit Hours.

Prerequisite: Consent of instructor and student's graduate advisor. Students assist in conducting supervised research in a local organization outside of The University of Texas at San Antonio. May be repeated for credit to a maximum of 6 hours. (Formerly PSY 6513. Credit cannot be earned for both PSY 6513 and PSY 6813.) Course Fee: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 6921. Master's Research. (0-0) 1 Credit Hour.

Prerequisite: Permission from the Graduate Advisor of Record. Preparation and writing of thesis proposal. Course Fees: GHC1 \$25; LRHC \$10; STHC \$6.

PSY 6922. Master's Research. (0-0) 2 Credit Hours.

Prerequisite: Permission from the Graduate Advisor of Record. Preparation and writing of thesis proposal. Course Fees: GHC1 \$50; LRHC \$10; STHC \$12.

PSY 6923. Master's Research. (0-0) 3 Credit Hours.

Prerequisite: Permission from the Graduate Advisor of Record. Preparation and writing of thesis proposal. Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 6924. Master's Research. (0-0) 4 Credit Hours.

Prerequisite: Permission from the Graduate Advisor of Record. Preparation and writing of thesis proposal. Course Fees: GHC1 \$100; LRHC \$10; STHC \$24.

PSY 6925. Master's Research. (0-0) 5 Credit Hours.

Prerequisite: Permission from the Graduate Advisor of Record. Preparation and writing of thesis proposal. Course Fees: GHC1 \$125; LRHC \$10; STHC \$30.

PSY 6926. Master's Research. (0-0) 6 Credit Hours.

Prerequisite: Permission from the Graduate Advisor of Record. Preparation and writing of thesis proposal. Course Fees: GHC1 \$150; LRHC \$10; STHC \$36.

PSY 6951. Independent Study. (0-0) 1 Credit Hour.

Prerequisites: Graduate standing and permission in writing (form available) from the instructor and the program's Graduate Advisor of Record. Independent reading, research, discussion, and/or writing under the direction of a faculty member. For students needing specialized work not normally or not often available as part of the regular course offerings. May be repeated for credit, but not more than 6 hours, regardless of discipline, will apply to the Master's degree. Course Fees: GHC1 \$25; LRHC \$10; STHC \$6.

PSY 6953. Independent Study. (0-0) 3 Credit Hours.

Prerequisites: Graduate standing and permission in writing (form available) from the instructor and the program's Graduate Advisor of Record. Independent reading, research, discussion, and/or writing under the direction of a faculty member. For students needing specialized work not normally or not often available as part of the regular course offerings. May be repeated for credit, but not more than 6 hours, regardless of discipline, will apply to the Master's degree. Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 6961. Comprehensive Examination. (0-0) 1 Credit Hour.

Prerequisite: Approval of the Graduate Program Committee to take the Comprehensive Examination. Independent study course for the purpose of taking the Comprehensive Examination. Enrollment is required each term in which the Comprehensive Examination is taken if no other courses are being taken that term. The grade report for the course is either "CR" (satisfactory performance on the Comprehensive Examination) or "NC" (unsatisfactory performance on the Comprehensive Examination). Course Fees: GHC1 \$25; LRHC \$10; STHC \$6.

PSY 6981. Master's Thesis. (0-0) 1 Credit Hour.

Prerequisite: Written thesis proposal must be approved by the Graduate Program Committee prior to enrollment. Supervised thesis research and preparation. May be repeated for credit, but not more than 6 hours will apply to the Master's degree. Credit will be awarded upon completion of the thesis. Enrollment is required each term in which the thesis is in progress. Course Fees: GHC1 \$25; LRHC \$10; STHC \$6.

PSY 6983. Master's Thesis. (0-0) 3 Credit Hours.

Prerequisite: Written thesis proposal must be approved by the Graduate Program Committee prior to enrollment. Supervised thesis research and preparation. May be repeated for credit, but not more than 6 hours will apply to the Master's degree. Credit will be awarded upon completion of the thesis. Enrollment is required each term in which the thesis is in progress. Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 6986. Master's Thesis. (0-0) 6 Credit Hours.

Prerequisite: Written thesis proposal must be approved by the Graduate Program Committee prior to enrollment. Supervised thesis research and preparation. May be repeated for credit, but not more than 6 hours will apply to the Master's degree. Credit will be awarded upon completion of the thesis. Enrollment is required each term in which the thesis is in progress. Course Fees: GHC1 \$150; LRHC \$10; STHC \$36.

PSY 7003. Multivariate Statistical Analysis. (3-0) 3 Credit Hours.

Prerequisite: Consent of instructor or unconditional admission to Doctoral program. An advanced treatment of multivariate statistical techniques. Topics include multivariate normal distribution, multivariate tests of hypotheses, confidence regions, principal component analysis, factor analysis, discrimination and classification analysis, and clustering. Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 7013. Advanced Research Design. (3-0) 3 Credit Hours.

Prerequisite: Consent of instructor or unconditional admission to Doctoral program. An examination of issues related to complex research designs to address health-related issues. Topics include multilevel modeling, complex sampling, experimental, quasi-experimental, and mixed designs. Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 7023. Military Health Psychology. (3-0) 3 Credit Hours.

Prerequisite: Consent of instructor or unconditional admission to Doctoral program. Overview of research related to Military Health Psychology. Topics include military cultural competency, psychological assessment, population health, intervention, and treatment of health-related issues of importance to the military, such as depression, PTSD, substance-abuse, and combat-related injuries. Approaches to prevention and resiliency in military personnel and their family members are also covered. Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 7103. Advanced Topics in Biopsychology. (3-0) 3 Credit Hours.

Prerequisite: Consent of instructor or unconditional admission to Doctoral program. Topics related to empirical and clinical findings that contribute to current knowledge of brain-behavior relationships and the structural and functional changes associated with specific clinical conditions will be examined. Topics include traumatic brain injury, neurotransmitter imbalance, and specific related disorders, and the effects of stress on brain structure and function. May be repeated for credit when topics vary, but not more than 6 hours may be applied to the Doctoral degree. Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 7113. Advanced Topics in Clinical Psychology. (3-0) 3 Credit Hours.

Prerequisite: Consent of instructor or unconditional admission to Doctoral program. Topics related to the critical evaluation of prevention, assessment, and intervention strategies used to address clinical problems in a military environment will be examined. Topics include depression, PTSD, clinical issues related to injuries and rehabilitation, substance abuse, family and partner conflict, combat-related stress disorders, and promotion of resiliency. May be repeated for credit when topics vary, but not more than 6 hours may be applied to the Doctoral degree. Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 7123. Advanced Topics in Applied Social Psychology. (3-0) 3 Credit Hours.

Prerequisite: Consent of instructor or unconditional admission to Doctoral program. Topics related to understanding social psychological approaches that can be applied to understanding the prevention, etiology, and treatment of health disorders and societal problems. Topics may include but are not limited to the self, impression formation, stigma, attitude formation and change, group and organizational dynamics, and cultural forces. May be repeated for credit when topics vary, but not more than 6 hours may be applied to the Doctoral degree. Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 7133. Advanced Topics in Applied Cognitive Psychology. (3-0) 3 Credit Hours.

Prerequisite: Consent of instructor or unconditional admission to Doctoral program. Topics related to understanding cognitive psychological approaches that can be applied to understanding the prevention, etiology, and treatment of health disorders. Topics include memory, problem solving, strategy utilization, communication, spatial cognition, training and learning, cultural learning, and social information processing. May be repeated for credit when topics vary, but not more than 6 hours may be applied to the Doctoral degree. Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 7143. Advanced Topics in Diversity and Health Disparities. (3-0) 3 Credit Hours.

Prerequisite: Consent of instructor or unconditional admission to Doctoral program. Topics related to differences in prevention, etiology, healthcare delivery, and response to intervention related to gender, racial/ethnic identity, socioeconomic group, and/or geographic region of origin. Topics include differences in the type and rate of specific health problems in different groups, differences in access and response to prevention and treatment interventions and differences in the role of organizational, family-based and social support in healthcare interventions. May be repeated for credit when topics vary, but not more than 6 hours may be applied to the Doctoral degree. Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 7203. Grant Development. (3-0) 3 Credit Hours.

Prerequisite: Consent of instructor or unconditional admission to Doctoral program. This course will provide students with an overview of the grant writing process. Literature review, theoretical rationale, budget, evaluation protocols, and Institutional Review Board requirements will be examined. Local, state, national, government, and private funding sources will be reviewed. The final product will be a completed grant proposal. (Credit cannot be earned for both PSY 7203 and KAH 5163.) Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 7213. Program Evaluation. (3-0) 3 Credit Hours.

Prerequisite: Consent of instructor or unconditional admission to Doctoral program. This course will review the process by which health-related programs are planned, implemented, and evaluated in various communities and work-related settings. Students in this course should have prior knowledge of health-related theories, multivariate statistics, and advanced research design. (Credit cannot be earned for both PSY 7213 and KAH 5133.) Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 7223. Bayesian Statistics for the Social Sciences. (3-0) 3 Credit Hours.

Prerequisite: PSY 2073 or equivalent and graduate standing, or consent of instructor. This course will introduce students to the practical and theoretical issues regarding the application of Bayesian Data Analysis within the social sciences. Topics include Bayesian analogs of many of the models that are taught in standard graduate statistics classes, including Bayesian generalized linear models, and less commonly taught topics, such as Bayesian mixture models and Bayesian imputation. Students will implement models using R and Stan. Some familiarity with R will be helpful but is not required. Course Fee: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 7233. Developmental Psychology. (3-0) 3 Credit Hours.

Prerequisite: Consent of instructor or unconditional admission to the PhD program in Psychology. Topics related to understanding developmental psychological approaches that can be applied to understanding normative and non-normative developmental trajectories. Topics may include but are not limited to, the critical analysis of major paradigms, models, and theories that have been influential in developmental psychology and in-depth dives into particular stages of development (e.g., infancy, adolescence, etc.), attachment, identity development, or cognitive development. Course Fee: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 7911. Doctoral Research. (0-0) 1 Credit Hour.

Prerequisites: Permission from the Graduate Advisor of Record and dissertation director. Preparation and writing of dissertation proposal. May be repeated for credit, but not more than 12 hours will apply to the Doctoral degree. Course Fees: GHC1 \$25; LRHC \$10; STHC \$6.

PSY 7912. Doctoral Research. (0-0) 2 Credit Hours.

Prerequisites: Permission from the Graduate Advisor of Record and dissertation director. Preparation and writing of dissertation proposal. May be repeated for credit, but not more than 12 hours will apply to the Doctoral degree. Course Fees: GHC1 \$50; LRHC \$10; STHC \$12.

PSY 7913. Doctoral Research. (0-0) 3 Credit Hours.

Prerequisites: Permission of the Graduate Advisor of Record and dissertation director. Preparation and writing of dissertation proposal. May be repeated for credit, but not more than 12 hours will apply to the Doctoral degree. Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 7914. Doctoral Research. (0-0) 4 Credit Hours.

Prerequisites: Permission from the Graduate Advisor of Record and dissertation director. Preparation and writing of dissertation proposal. May be repeated for credit, but not more than 12 hours will apply to the Doctoral degree. Course Fees: GHC1 \$100; LRHC \$10; STHC \$24.

PSY 7915. Doctoral Research. (0-0) 5 Credit Hours.

Prerequisites: Permission from the Graduate Advisor of Record and dissertation director. Preparation and writing of dissertation proposal. May be repeated for credit, but not more than 12 hours will apply to the Doctoral degree. Course Fees: GHC1 \$125; LRHC \$10; STHC \$30.

PSY 7916. Doctoral Research. (0-0) 6 Credit Hours.

Prerequisites: Permission from the Graduate Advisor of Record and dissertation director. Preparation and writing of dissertation proposal. May be repeated for credit, but not more than 12 hours will apply to the Doctoral degree. Course Fees: GHC1 \$150; LRHC \$10; STHC \$36.

PSY 7921. Doctoral Dissertation. (0-0) 1 Credit Hour.

Prerequisites: Permission from the Graduate Advisor of Record and dissertation director; must be a Doctoral candidate. Preparation, writing, and successful defense of the Doctoral dissertation. May be repeated for credit, but not more than 12 hours will apply to the Doctoral degree. Course Fees: GHC1 \$25; LRHC \$10; STHC \$6.

PSY 7922. Doctoral Dissertation. (0-0) 2 Credit Hours.

Prerequisites: Permission from the Graduate Advisor of Record and dissertation director; must be a Doctoral candidate. Preparation, writing, and successful defense of the Doctoral dissertation. May be repeated for credit, but not more than 12 hours will apply to the Doctoral degree. Course Fees: GHC1 \$50; LRHC \$10; STHC \$12.

PSY 7923. Doctoral Dissertation. (0-0) 3 Credit Hours.

Prerequisites: Permission from the Graduate Advisor of Record and dissertation director; must be a Doctoral candidate. Preparation, writing, and successful defense of the Doctoral dissertation. May be repeated for credit, but not more than 12 hours will apply to the Doctoral degree. Course Fees: GHC1 \$75; LRHC \$10; STHC \$18.

PSY 7924. Doctoral Dissertation. (0-0) 4 Credit Hours.

Prerequisites: Permission from the Graduate Advisor of Record and dissertation director; must be a Doctoral candidate. Preparation, writing, and successful defense of the Doctoral dissertation. May be repeated for credit, but not more than 12 hours will apply to the Doctoral degree. Course Fees: GHC1 \$100; LRHC \$10; STHC \$24.

PSY 7925. Doctoral Dissertation. (0-0) 5 Credit Hours.

Prerequisites: Permission from the Graduate Advisor of Record and dissertation director; must be a Doctoral candidate. Preparation, writing, and successful defense of the Doctoral dissertation. May be repeated for credit, but not more than 12 hours will apply to the Doctoral degree. Course Fees: GHC1 \$125; LRHC \$10; STHC \$30.

PSY 7926. Doctoral Dissertation. (0-0) 6 Credit Hours.

Prerequisites: Permission from the Graduate Advisor of Record and dissertation director; must be a Doctoral candidate. Preparation, writing, and successful defense of the Doctoral dissertation. May be repeated for credit, but not more than 12 hours will apply to the Doctoral degree. Course Fees: GHC1 \$150; LRHC \$10; STHC \$36.