

Psychology

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The Department of Psychology offers a doctoral degree in Applied Psychology. The objective of the program is to train applied psychologists for employment in business, industry, engineering, college, university, clinical, and other applied settings. Concentrations are offered in the areas of Applied Cognitive Science and Clinical. The Cognitive concentration focuses on the interplay and linkages between cognitive psychology, advances in computer science and engineering, the varying cognitive abilities of individuals, and demands for people to use technology more easily and efficiently. The Clinical concentration focuses on the study and application of psychological science involving both normal and pathological human behavior, drawing from the cognitive, social, and biological arenas as well as computer science and advanced technologies.

The Department also offer the Master of Science in Psychology degree. Major areas of study at the master's level are clinical psychology and experimental psychology. A limited number of graduate teaching and research assistantships are available.

A minor in cognitive science is designed for students who wish to pursue an interdisciplinary study of mind and thought. Students completing the program will have a broad understanding of the field of cognitive science and will have demonstrated an approach that highlights the interdisciplinary nature of cognitive science.

Admission Criteria

Prerequisites for admission into the graduate program include all the general requirements of the Office of the Graduate School and the following courses at the undergraduate level:

- For all applicants—statistics and experimental psychology
- For the cognitive science doctoral program—introductory cognitive psychology
- For the clinical master's program—abnormal psychology
- and (if available to applicants) biological/physiological psychology or some sort of behavioral neuroscience course

The application deadline for the Cognitive Science doctoral program is January 15. The application deadline for the master's program (for both Clinical and Experimental) is February 1. Occasionally, students are admitted to begin in January.

The applicant without all of the undergraduate course requirements may be admitted into the graduate program contingent upon making up any deficiencies as soon as possible.

Requirements for admission into the graduate program are as follows: three letters of recommendation, an official score on the Graduate Record Examination (GRE) general test, and transcripts of all college/university work. The applicant not meeting the GPA requirement (2.75 for the M.S. program and 3.00 for the Ph.D. program) may receive provisional admission if other factors (e.g., publications, work experience, excellent grades at the end of an undergraduate career) suggest the potential for successful graduate-level work.

Provisional Admission

If a student does not meet the GPA (2.75) admission requirements of the program, the student may be admitted provisionally. In that case, the student must attain a 3.00 GPA on the first 9 hours of graduate courses at MSU after admission to the program. Courses with an S grade, transfer credits, or credits earned while in Unclassified status cannot be used to satisfy this requirement. If a 3.00 is not achieved, the student may be dismissed from the graduate program.

Academic Performance

Unsatisfactory performance in the graduate program in psychology is defined as any of the following:

- Earning two grades of C or lower in graduate courses in a semester
- Earning three grades of C or lower
- In the doctoral program—failing the first or second year projects, the general or specialty exams, or the preliminary examination
- In any graduate program—failing the research defense
- Unsatisfactory evaluation of a thesis or dissertation, or

- Failing a required component of study

Any one of these or a combination will constitute the basis for review for possible dismissal. The graduate coordinator and the student's graduate committee will review the record and recommend a final course of action: immediate dismissal or the establishment of a probationary period in which corrective action must take place. Appeal of the dismissal can be made by submitting a written appeal statement to the department head. If the dismissal is upheld by the department head upon the student's appeal, the student can then submit a written appeal to the dean of the College of Arts and Sciences.

Doctor of Philosophy in Applied Psychology with Applied Cognitive Science Concentration

Research Methods and Quantitative Core

PSY 8214	Quantitative Methods in Psychology II	4
PSY 8803	Advanced Quantitative Methods for Industrial Organizational and General Psychology	3
PSY 8513	Psychological Research	3

Research

PSY 9000	Dissertation Research /Dissertation in Psychology	21
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Cognitive Science Core

PSY 6653	Cognitive Science	3
PSY 8713	Issues and Methods in Cognitive Psychology	3

Cognitive Science Integration

Select one of the following: 3

CSE 6633	Artificial Intelligence
PSY 8723	Cognitive Models of Skills
CSE 8633	
PHI 6143	Philosophy of Science
EN 6403	Introduction to Linguistics

Applied Cognitive Integration

Select one of the following: 3

PSY 6753	Applied Cognitive Psychology
IE 8153	Cognitive Engineering
PSY 6123	
IE 6113	Human Factors Engineering
MKT 8413	Seminar in Consumer Behavior

Cognitive Psychology Integration

Select one of the following: 3

PSY 6423	Sensation and Perception
PSY 6733	Memory
PSY 6713	Language and Thought

Advanced Graduate Seminars

PSY 8653	Applied Cognitive Reading Seminar	9
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Graduate Electives

Select three of the following: 9

PSY 8313	Developmental Psychology
PSY 8613	Advanced Social Psychology
PSY 6983	Psychology of Aging
PSY 6523	Industrial Psychology
CSE 8633	
CSE 8663	
IE 8343	
IE 8783	
SO 6413	Aging and Retirement in American Society
COE 6713	Issues in Aging
MKT 8313	

MKT 8343	Seminar in Marketing-Price and Product	
BIS 8112	Managing Information Technology and Systems	
Cognitive Science Seminar		
PSY 8731	Applied Cognitive Science Research Seminar	8
Total Hours		72

Doctor of Philosophy in Applied Psychology with Clinical Concentration

Research Methods and Quantitative Core		
PSY 8214	Quantitative Methods in Psychology II	4
PSY 8803	Advanced Quantitative Methods for Industrial Organizational and General Psychology	3
PSY 8513	Psychological Research	3
Research		
PSY 9000	Dissertation Research /Dissertation in Psychology	21
Clinical Concentration ¹		
PSY 8713	Issues and Methods in Cognitive Psychology	3
PSY 8313	Developmental Psychology	3
PSY 8613	Advanced Social Psychology	3
EPY 8113	History and Systems of Psychology	3
COE 8073	Cultural Foundations in Counseling	3
PSY 8233	Ethical and Professional Issue in Clinical Psychology	3
PSY 9730	Doctoral Internship in Clinical Psychology	9
Total Hours		58

¹ Clinical concentration courses are APA Breadth and/or licensure requirements.

Master of Science in Psychology with Clinical Concentration

PSY 8214	Quantitative Methods in Psychology II	4
PSY 8513	Psychological Research	3
PSY 8000	Thesis Research/ Thesis in Psychology	6
PSY 8323	Psychopathology	3
PSY 8333	Systems of Psychotherapy	3
PSY 8354	Intelligence Testing	4
PSY 8364	Personality Appraisal	4
PSY 8383	Behavior Therapy	3
PSY 8454	Professional Practicum	4
PSY 8464	Professional Practicum	4
PSY 8533	Introduction to Clinical Practicum in Psychology	3
PSY 8573	Psychopharmacology	3
Elective		3
Total Hours		47

Master of Science in Psychology with Experimental Concentration

PSY 8214	Quantitative Methods in Psychology II	4
PSY 8513	Psychological Research	3
PSY 8000	Thesis Research/ Thesis in Psychology	6
Additional graduate coursework		27
Total Hours		40

A minimum of 15 hours of coursework at the 8000-level is required.

Graduate Minor in Cognitive Science

PSY /CSE 6653	Cognitive Science	3
PSY XXXX	Select course from Psychology Courses list	3
IE XXXX or CSE XXXX	Select course from the Industrial and Systems Engineering Courses list or the Computer Science and Engineering Courses list	3
Select one course each from two of the following lists:		6
Psychology Courses		
Industrial and Systems Engineering Courses		
Computer Science and Engineering Courses		
English/Anthropology/Sociology Courses		
Electrical and Computer Engineering Courses		
Philosophy Course		
Total Hours		15

Psychology Courses

PSY 6423	Sensation and Perception	3
PSY 6643	Social Cognition	3
PSY 6713	Language and Thought	3
PSY 6733	Memory	3
PSY 6753	Applied Cognitive Psychology	3
PSY 8713	Issues and Methods in Cognitive Psychology	3
PSY 8723	Cognitive Models of Skills	3
or CSE 8613	Cognitive Models of Skill	
PSY 8990	Special Topics in Psychology (with approval)	1-9
Total Hours		22-30

Industrial and Systems Engineering Courses

IE 6113	Human Factors Engineering	3
IE 8153	Cognitive Engineering	3
IE 8343		
IE 8990 (with approval)		

Computer Science and Engineering Courses

CSE 6633	Artificial Intelligence	3
CSE 6663	Human-Computer Interaction	3
CSE 8633		
CSE 8653		
CSE 8663		
CSE 8673	Machine Learning	3
CSE 8990	Special Topics in Computer Science and Engineering (with approval)	1-9

English/Anthropology/Sociology Courses

EN /AN 6403	Introduction to Linguistics	3
EN 6463	Studies in Second Language Acquisition	3
EN /AN /SO 6663	British and Irish Novel Since 1900	3
AN /SO 6623	Language and Culture	3

Electrical and Computer Engineering Courses

ECE 6713	Computer Architecture	3
ECE 6813	Communications Theory	3

ECE 8443	Pattern Recognition	3
ECE 8463		

Philosophy Course

PHI 6143	Philosophy of Science	3
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