



Twin Cities Campus

Psychology Ph.D.

Psychology

College of Liberal Arts

Link to a [list of faculty](#) for this program.

Contact Information:

Department of Psychology, S246 Elliott Hall, 75 East River Road, Minneapolis, MN 55455 (612-624-4181; fax: 612-626-2079)

Email: psyapply@umn.edu

Website: <http://psych.umn.edu>

- Program Type: Doctorate
- Requirements for this program are current for Fall 2016
- Length of program in credits: 60
- This program does not require summer semesters for timely completion.
- Degree: Doctor of Philosophy

Along with the program-specific requirements listed below, please read the [General Information](#) section of the catalog website for requirements that apply to all major fields.

Students are admitted only for the PhD degree. Doctoral program specialties are offered in biological psychopathology; clinical science and psychopathology research; cognitive and brain sciences; counseling psychology; industrial/organizational psychology; personality, individual differences, and behavior genetics; quantitative/psychometric methods; and social psychology.

Accreditation

This program is accredited by Committee on Accreditation of the Amer. Psychological Assoc (for Clinical & Counseling specialties)

Program Delivery

This program is available:

- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission

Although there are no specific minimums for GPA and GRE scores, previous admissions statistics are available from the psychology website at psych.umn.edu.

Other requirements to be completed before admission:

Recommended academic preparation includes a minimum of 12 credits (three to four courses) of psychology coursework beyond introductory psychology, including one course in statistics or psychological measurement. Applicants to the clinical science program must have completed a course in abnormal psychology. An undergraduate major in psychology is desirable, but not required.

Special Application Requirements:

Applications are accepted for fall admission only; the deadline is December 1. A department application; a statement of career interests, goals, and objectives; three letters of recommendation from persons familiar with the applicant's scholarship and research potential; and scores from the GRE General Test are required. The GRE Subject Test in psychology is not required, but highly recommended. Applicants whose native language is not English must submit the results of the TOEFL iBT. Applications are submitted electronically through the ApplyYourself application system. For more information about the application procedures, see the psychology website at psych.umn.edu.

International applicants must submit score(s) from one of the following tests:

- TOEFL
 - Internet Based - Total Score: 79
 - Internet Based - Writing Score: 21
 - Internet Based - Reading Score: 19
 - Internet Based - Speaking Score: 23

The preferred English language test is Test of English as Foreign Language

Key to [test abbreviations](#)(TOEFL).

For an online application or for more information about graduate education admissions, see the [General Information](#) section of the



catalog website.

Program Requirements

24 credits are required in the major.

12 credits are required outside the major.

24 thesis credits are required.

This program may be completed with a minor.

Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

A minimum GPA of 3.0 is required for students to remain in good standing.

At least 3 semesters must be completed before filing a Degree Program Form.

Please go to the Psychology website at www.psych.umn.edu for information about the specialty areas offered. Applicants are allowed to apply and be admitted to only one specialty area.

General Area Distribution Requirement

The General Area Distribution Requirement, which provides students with a broad knowledge of psychology, must be completed prior to the preliminary written examination. The 15 required credits must be from at least 4 of the 12 general topic areas. An additional course may be chosen from any category. Grades of A or B are required.

Take 15 or more credit(s) from the following:

• 1. Brain Science

- [PSY 5062](#) - Cognitive Neuropsychology (3.0 cr)
- or [PSY 5063](#) - Introduction to Functional MRI (3.0 cr)
- or [PSY 5064](#) - Brain and Emotion (3.0 cr)
- or [PSY 5065](#) - Functional Imaging: Hands-on Training (3.0 cr)
- or [NSC 5561](#) - Systems Neuroscience (4.0 cr)
- or [NSC 5661](#) - Behavioral Neuroscience (2.0 cr)

• 2. Cognitive Science

- [PSY 8042](#) - Proseminar in Cognition, Brain, and Behavior (3.0 cr)
- or [PSY 5014](#) - Psychology of Human Learning and Memory (3.0 cr)
- or [PSY 5015](#) - Cognition, Computation, and Brain (3.0 cr)
- or [PSY 5018H](#) - Mathematical Models of Human Behavior (3.0 cr)
- or [PSY 5038W](#) - Introduction to Neural Networks [WI] (3.0 cr)
- or [PSY 5054](#) - Psychology of Language (3.0 cr)

• 3. Developmental

- [CPSY 8301](#) - Developmental Psychology: Cognitive Processes (4.0 cr)
- or [CPSY 8302](#) - Developmental Psychology: Social and Emotional Processes (4.0 cr)

• 4. Differential/Behavior Genetics

- [PSY 5135](#) - Psychology of Individual Differences (3.0 cr)
- or [PSY 5137](#) - Introduction to Behavioral Genetics (3.0 cr)
- or [PSY 5136](#) - Human Abilities (3.0 cr)

• 5. Industrial/Organizational

- [PSY 5701](#) - Organizational Staffing (3.0 cr)
- or [PSY 5703](#) - Psychology or Organizational Training & Development (3.0 cr)
- or [PSY 5708](#) - Organizational Psychology (3.0 cr)

• 6. Measurement

If a student chooses the measurement area as one of their 12, they must take this course to satisfy the measurement area. The additional courses below may be taken after 5862 is completed as secondary Measurement fulfillment.

[PSY 5862](#) - Psychological Measurement: Theory and Methods (3.0 cr)

Measurement electives may only be taken only after completing PSY 5862.

[PSY 5865](#) - Advanced Measurement: Theory and Application (3.0 cr)

or [EPSY 8222](#) - Advanced Measurement: Theory and Application (3.0 cr)

or [PSY 5018H](#) - Mathematical Models of Human Behavior (3.0 cr)

• 7. Personality

- [PSY 5101H](#) - Honors: Personality: Current Theory and Research (3.0 cr)
- or [PSY 5207](#) - Personality and Social Behavior (3.0 cr)
- or [PSY 5960](#) - Topics in Psychology (1.0 - 4.0 cr)
- or [PSY 8107](#) - Personality, Culture & Society (3.0 cr)

• 8. Psychopathology

- [PSY 5604](#) - Abnormal Psychology (3.0 cr)
- or [PSY 8602](#) - Psychopathology & Personality (3.0 cr)



or *PSY 8112 - Psychopathology II (3.0 cr)
or [CPSY 8606](#) - Advanced Developmental Psychopathology (3.0 cr)

•**9. Quantitative Methods & Research Methodology**

Take at least 3 credits of 5- or 8-level advanced quantitative methods or research methodology from coursework offered at the University. Must complete with a grade of A or B.

Coursework must be approved by the student's adviser.

- The following courses CANNOT be used:

EPSY 8261
EPSY 8262
EPSY 8263
PSY 5862
STAT 5021

•**10. Sensation and Perception**

•[PSY 5031W](#) - Perception [WI] (3.0 cr)
or [PSY 5036W](#) - Computational Vision [WI] (3.0 cr)
or [PSY 8041](#) - Proseminar in Perception (3.0 cr)

•**11. Social**

•[PSY 5202](#) - Attitudes and Social Behavior (3.0 cr)
or [PSY 5204](#) - Psychology of Interpersonal Relationships (3.0 cr)
or [PSY 5205](#) - Applied Social Psychology (3.0 cr)
or *PSY 5206 - Social Psychology and Health Behavior (3.0 cr)
or [PSY 5207](#) - Personality and Social Behavior (3.0 cr)
or [PSY 8201](#) - Social Cognition (3.0 cr)
or [PSY 8202](#) - Close Relationships (3.0 cr)
or [PSY 8203](#) - Impression Management (3.0 cr)
or *PSY 8208 - Social Psychology: The Self (3.0 cr)
or *PSY 8207 - Social Psychology History and Systems (3.0 cr)
or [PSY 8209](#) - Research Methods in Social Psychology (3.0 cr)

•**12. Statistics**

•[STAT 5021](#) - Statistical Analysis (4.0 cr)
or [STAT 5302](#) - Applied Regression Analysis (4.0 cr)
or [STAT 5303](#) - Designing Experiments (4.0 cr)
or [STAT 5401](#) - Applied Multivariate Methods (3.0 cr)
or [STAT 5421](#) - Analysis of Categorical Data (3.0 cr)
or [STAT 5601](#) - Nonparametric Methods (3.0 cr)
or [PUBH 6450](#) - Biostatistics I (4.0 cr)
or [PUBH 6451](#) - Biostatistics II (4.0 cr)
or These two courses must both be taken but they count as one.
[PSY 8814](#) - Analysis of Psychological Data (4.0 cr)
[PSY 8815](#) - Analysis of Psychological Data (4.0 cr)

Outside Coursework

Take at least 12 credits outside the major, in consultation with the adviser and director of graduate studies.

Thesis Credits

Take exactly 24 credit(s) from the following:

•[PSY 8888](#) - Thesis Credit: Doctoral (1.0 - 24.0 cr)

Major Areas of Concentration

Students are admitted to one area of concentration to fulfill major credits.

Biological Psychopathology

Biological Psychopathology requires 42-57 coursework credits.

Required Courses

Take 15 credits

[PSY 8602](#) - Psychopathology & Personality (3.0 cr)
[PSY 5862](#) - Psychological Measurement: Theory and Methods (3.0 cr)
[PSY 8814](#) - Analysis of Psychological Data (4.0 cr)
[PSY 8815](#) - Analysis of Psychological Data (4.0 cr)

Required Elective

Take 3 or more credit(s) from the following:

•[PSY 5137](#) - Introduction to Behavioral Genetics (3.0 cr)
•[PSY 5135](#) - Psychology of Individual Differences (3.0 cr)
•[PSY 5064](#) - Brain and Emotion (3.0 cr)
•[CPSY 8606](#) - Advanced Developmental Psychopathology (3.0 cr)

Biological Psychopathology Electives



Take 3 or more credit(s) from the following:

- [PSY 8935](#) - Readings in Behavioral Genetics and Individual Differences Psychology (1.0 cr)
- [PSY 5865](#) - Advanced Measurement: Theory and Application (3.0 cr)
- [PSY 5993](#) - Research Laboratory in Psychology (3.0 cr)
or [PSY 8993](#) - Directed Studies: Special Areas of Psychology and Related Sciences (1.0 - 6.0 cr)
- [PSY 8881](#) - Seminar: Quantitative and Psychometric Methods (3.0 cr)
or [PSY 8882](#) - Seminar: Quantitative and Psychometric Methods (3.0 cr)

-OR-

Clinical Science and Psychopathology Research

Clinical Science and Psychopathology Research requires 72-80 coursework credits.

Students should take the required courses listed below.

[PSY 8611](#) (~~Inactive~~) (5.0 cr)

[PSY 8602](#) - Psychopathology & Personality (3.0 cr)

[PSY 8814](#) - Analysis of Psychological Data (4.0 cr)

[PSY 8616](#) - Applied Assessment II, Personality and Psychopathology (3.0 cr)

[PSY 8815](#) - Analysis of Psychological Data (4.0 cr)

[PSY 8622](#) - Theories and Methods of Effective Intervention (3.0 cr)

[PSY 8617](#) - Ethical and Equitable Decisions in Clinical Science and Counseling Psychology (3.0 cr)

Clinical Studies

Take exactly 1 credit(s) from the following:

- [PSY 8993](#) - Directed Studies: Special Areas of Psychology and Related Sciences (1.0 - 6.0 cr)

Clinical Psychology Practicum

Clinical Psychology Practicum

Take exactly 2 credit(s) from the following:

- [PSY 8620](#) - Clinical Practicum: Consultation, Supervision, Professional Standards, and Lifelong Learning (1.0 - 6.0 cr)

Crisis, Consultation, and Community Psychology

Take exactly 1 credit(s) from the following:

- [PSY 8619](#) - Foundations in Therapeutic Intervention Applying Theory to Clinical Practice (3.0 cr)

Research Credits

Take exactly 12 credit(s) from the following:

- [PSY 5993](#) - Research Laboratory in Psychology (3.0 cr)
- [PSY 8993](#) - Directed Studies: Special Areas of Psychology and Related Sciences (1.0 - 6.0 cr)

-OR-

Cognitive and Brain Sciences Required Courses

Cognitive and Brain Sciences requires 36-51 coursework credits.

Core Areas

Take 9 or more credit(s) from the following:

Brain Science

Take 3 or more credit(s) from the following:

- [PSY 5062](#) - Cognitive Neuropsychology (3.0 cr)
- [PSY 5063](#) - Introduction to Functional MRI (3.0 cr)
- [PSY 5064](#) - Brain and Emotion (3.0 cr)
- [PSY 5065](#) - Functional Imaging: Hands-on Training (3.0 cr)
- [NSC 5561](#) - Systems Neuroscience (4.0 cr)
- [NSC 5661](#) - Behavioral Neuroscience (2.0 cr)

Cognitive Science

Take 3 or more credit(s) from the following:

- [PSY 5014](#) - Psychology of Human Learning and Memory (3.0 cr)
- [PSY 5015](#) - Cognition, Computation, and Brain (3.0 cr)
- [PSY 5018H](#) - Mathematical Models of Human Behavior (3.0 cr)
- [PSY 5038W](#) - Introduction to Neural Networks [WI] (3.0 cr)
- [PSY 5054](#) - Psychology of Language (3.0 cr)
- [PSY 8042](#) - Proseminar in Cognition, Brain, and Behavior (3.0 cr)

Sensation and Perception

Take 3 or more credit(s) from the following:

- [PSY 5031W](#) - Perception [WI] (3.0 cr)
- [PSY 5036W](#) - Computational Vision [WI] (3.0 cr)
- [PSY 8041](#) - Proseminar in Perception (3.0 cr)

Quantitative Methods or Research Methodology

Take exactly 6 credit(s) from the following:

- [PSY 8814](#) - Analysis of Psychological Data (4.0 cr)
- [PSY 8815](#) - Analysis of Psychological Data (4.0 cr)
- [PSY 5862](#) - Psychological Measurement: Theory and Methods (3.0 cr)
- [STAT 5021](#) - Statistical Analysis (4.0 cr)



-OR-

Counseling Psychology

Counseling Psychology requires 95-132 coursework credits.

Required Courses

Take 68 to 72 credits

- PSY 5862 - Psychological Measurement: Theory and Methods (3.0 cr)
- PSY 8501 - Counseling Psychology: History and Theories (3.0 cr)
- PSY 8503 - Interviewing and Intervention (3.0 cr)
- PSY 8814 - Analysis of Psychological Data (4.0 cr)
- PSY 5501 - Self, Society and Health - What's Work Got To Do With It? (3.0 cr)
- PSY 8502 - Assessment in Counseling Psychology (3.0 cr)
- PSY 8541 - Multicultural Psychology (3.0 cr)
- PSY 8815 - Analysis of Psychological Data (4.0 cr)
- PSY 8514 - University Counseling Practicum I (4.0 - 6.0 cr)
- PSY 5993 - Research Laboratory in Psychology (3.0 cr)
- PSY 8515 - University Counseling Practicum II (4.0 - 6.0 cr)
- PSY 8545 - Counseling Psychology Process and Outcome Research (3.0 cr)
- PSY 8617 - Ethical and Equitable Decisions in Clinical Science and Counseling Psychology (3.0 cr)
- PSY 8544 - Vocational and Occupational Health Psychology Research (3.0 cr)
- EPSY 5853 *(Inactive)* (3.0 cr)
- PSY 5064 - Brain and Emotion (3.0 cr)
- PSY 8602 - Psychopathology & Personality (3.0 cr)
- PSY 5062 - Cognitive Neuropsychology (3.0 cr)
- PSY 8205 - Principles of Social Psychology (3.0 cr)
- *PSY 8960 - Graduate Seminar in Psychology: Professional Consultation Beginning (1.0 cr)
- *PSY 8960 - Graduate Seminar in Psychology: Developmental Psychology, Individual and Cultural Influences (3.0 cr)
- *PSY 8960 - Graduate Seminar in Psychology: Counseling Psychology Supervision (2.0 cr)

Advanced Practicum

Take 6 - 24 credit(s) from the following:

- PSY 8560 - Counseling Psychology Advanced Practicum I: General (1.0 - 3.0 cr)
- PSY 8561 - Counseling Psychology Advanced Practicum II: General (1.0 - 3.0 cr)
- PSY 8562 - Counseling Psychology Advanced Practicum III: General (1.0 - 3.0 cr)

Counseling Psychology Courses and Electives

Take 0 or more credit(s) from the following:

- *PSY 8960 - Graduate Seminar in Psychology: Professional Consultation Advanced (1.0 cr)
- PSY 8565 - Counseling Psychology Advanced Practicum I: Career Counseling and Assessment Clinic (1.0 - 6.0 cr)
- PSY 8566 - Counseling Psychology Advanced Practicum II: Career Counseling and Assessment Clinic (1.0 - 6.0 cr)
- PSY 8567 - Counseling Psychology Advanced Practicum III: Career Counseling and Assessment Clinic (1.0 - 6.0 cr)

-OR-

Industrial/Organizational Required Courses

Industrial/Organizational requires 50-63 coursework credits.

Required

Take 27 credits

- PSY 5708 - Organizational Psychology (3.0 cr)
- PSY 5862 - Psychological Measurement: Theory and Methods (3.0 cr)
- PSY 8701 - Seminar in Industrial and Organizational Psychology I (3.0 cr)
- PSY 8702 - Seminar in Industrial and Organizational Psychology II (3.0 cr)
- PSY 8703 - Seminar in Industrial and Organizational Psychology III (3.0 cr)
- PSY 8814 - Analysis of Psychological Data (4.0 cr)
- PSY 8815 - Analysis of Psychological Data (4.0 cr)
- *PSY 5701: Organizational Staffing (3.0 cr)

Electives

Take 0 or more credit(s) from the following:

- EPSY 8266 - Statistical Analysis Using Structural Equation Methods (3.0 cr)
- PSY 5865 - Advanced Measurement: Theory and Application (3.0 cr)
- PSY 5136 - Human Abilities (3.0 cr)
- *PSY 8884: Factor Analysis
- *PSY 8960: Seminar in Psych - Meta Analysis (3.0 cr)
- *PSY 8960: Seminar in Psych - Fairness and Bias (3.0 cr)
- *PSY 8960: Seminar in Psych - Personality at Work (3.0 cr)
- *PSY 8960: Seminar in Psych - Counterproductive Work Behaviors (3.0 cr)
- STAT 5302 - Applied Regression Analysis (4.0 cr)
- EPSY 8264 - Advanced Multiple Regression Analysis (3.0 cr)
- PSY 5993 - Research Laboratory in Psychology (3.0 cr)



[PSY 8993](#) - Directed Studies: Special Areas of Psychology and Related Sciences (1.0 - 6.0 cr)

-OR-

Personality, Individual Difference and Behavior Genetics

Personality, Individual Difference and Behavior Genetics requires 41-56 coursework credits.

Required

Take 11 credits

[PSY 5862](#) - Psychological Measurement: Theory and Methods (3.0 cr)

[PSY 8814](#) - Analysis of Psychological Data (4.0 cr)

[PSY 8815](#) - Analysis of Psychological Data (4.0 cr)

Required Electives

Take 6 or more credit(s) from the following:

•[PSY 5137](#) - Introduction to Behavioral Genetics (3.0 cr)

•[PSY 5135](#) - Psychology of Individual Differences (3.0 cr)

•[PSY 5136](#) - Human Abilities (3.0 cr)

•[PSY 5101H](#) - Honors: Personality: Current Theory and Research (3.0 cr)

•[PSY 5207](#) - Personality and Social Behavior (3.0 cr)

•[PSY 8664](#) - Personality Assessment (3.0 cr)

Advanced Source in Psychometrics

Take 3 or more credit(s) from the following:

•[PSY 5865](#) - Advanced Measurement: Theory and Application (3.0 cr)

•[PSY 8881](#) - Seminar: Quantitative and Psychometric Methods (3.0 cr)

•[PSY 8882](#) - Seminar: Quantitative and Psychometric Methods (3.0 cr)

Electives

Take 0 or more credit(s) from the following:

•[PSY 8935](#) - Readings in Behavioral Genetics and Individual Differences Psychology (1.0 cr)

•[PSY 8937](#) - Seminar in Human Behavioral Genetics (3.0 cr)

•[PSY 8960](#) - Graduate Seminar in Psychology (1.0 - 4.0 cr)

•[PSY 5993](#) - Research Laboratory in Psychology (3.0 cr)

-OR-

Quantitative/Psychometric Methods

Quantitative/Psychometric Methods requires 50-62 coursework credits.

Quantitative Psychometrics Required Courses

[PSY 8881](#) - Seminar: Quantitative and Psychometric Methods (3.0 cr)

[PSY 8882](#) - Seminar: Quantitative and Psychometric Methods (3.0 cr)

[PSY 8960](#) - Graduate Seminar in Psychology (1.0 - 4.0 cr)

[PSY 5862](#) - Psychological Measurement: Theory and Methods (3.0 cr)

[PSY 5865](#) - Advanced Measurement: Theory and Application (3.0 cr)

MS in Statistics

[STAT 5701](#) - Statistical Computing (3.0 cr)

[STAT 8051](#) - Advanced Regression Techniques: linear, nonlinear and nonparametric methods (3.0 cr)

[STAT 8052](#) - Applied Statistical Methods 2: Design of Experiments and Mixed -Effects Modeling (3.0 cr)

[STAT 8801](#) - Statistical Consulting (3.0 cr)

[PSY 8814](#) - Analysis of Psychological Data (4.0 cr)

[PSY 8815](#) - Analysis of Psychological Data (4.0 cr)

or [STAT 8101](#) - Theory of Statistics 1 (3.0 cr)

[STAT 8102](#) - Theory of Statistics 2 (3.0 cr)

-OR-

Social Psychology

Social Psychology requires 51-60 coursework credits.

Social Psychology Required Courses

Take 12 credits

[PSY 8205](#) - Principles of Social Psychology (3.0 cr)

[PSY 8814](#) - Analysis of Psychological Data (4.0 cr)

[PSY 8815](#) - Analysis of Psychological Data (4.0 cr)

[PSY 8206](#) - Proseminar in Social Psychology (1.0 cr)

Electives 1

Take 6 or more credit(s) from the following:

•[PSY 5202](#) - Attitudes and Social Behavior (3.0 cr)

•[PSY 5204](#) - Psychology of Interpersonal Relationships (3.0 cr)

•[PSY 5205](#) - Applied Social Psychology (3.0 cr)

•[PSY 5207](#) - Personality and Social Behavior (3.0 cr)

•[PSY 5206](#) - Social Psychology and Health (3.0 cr)



Electives 2

Take 6 or more credit(s) from the following:

- [PSY 8201](#) - Social Cognition (3.0 cr)
- [PSY 8203](#) - Impression Management (3.0 cr)
- [PSY 8204](#) - Social Psychology of Prejudice and Intergroup Relations (3.0 cr)
- [PSY 8208](#) - Social Psychology: The Self (3.0 cr)
- [PSY 8209](#) - Research Methods in Social Psychology (3.0 cr)

Program Sub-plans

A sub-plan is not required for this program.

Students may not complete the program with more than one sub-plan.

School Psychology