



### ***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 (612-626-3483)

Email: [psyapply@umn.edu](mailto:psyapply@umn.edu)

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

- Program Type: Doctorate
- Requirements for this program are current for Fall 2020
- Length of program in credits: 53 to 112
- 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 Ph.D. degree. The doctoral program offers tracks in 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 Counseling accredited by APA. CSPR accredited by APA and PCSAS.

## **Program Delivery**

This program is available:

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

## **Prerequisites for Admission**

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.

An undergraduate major in psychology is preferred, but not required.

#### **Special Application Requirements:**

Applications are accepted for fall admission only; the deadline is December 1.

Applicants identify their proposed track at the time of application.

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 online application system.

Clinical Science and Psychopathology track: Applicants must have completed a course in abnormal psychology. Students without the master's upon matriculation must complete the University's Psychology MA degree (thesis option)

Personality, Individual Differences and Behavior Genetics track: Students without the master's upon matriculation must complete the University's Psychology MA degree (thesis option).

For more information about the application procedures, see the psychology graduate website.

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

29 to 76 credits are required in the major.  
0 to 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.

Approval of the director of graduate studies, in addition to that of the advisor, is required for use of 4xxx-level coursework.

### Outside Coursework (0 to 12 credits)

Students pursuing either the Cognitive and Brain Sciences track or the Industrial/Organizational track must select at least 12 outside credits in consultation with the advisor. Students pursuing the other tracks may take outside courses in addition to required coursework.

### Thesis Credits

Take 24 doctoral thesis credits.  
[PSY 8888](#) - Thesis Credit: Doctoral (1.0 - 24.0 cr)

## Program Sub-plans

Students are required to complete one of the following sub-plans.  
Students may not complete the program with more than one sub-plan.

### Clinical Science and Psychopathology Research

Students without the master's upon matriculation must complete the University's Psychology MA degree (thesis option).

### Core Clinical Coursework (36 credits)

#### Required Courses (32 credits)

Take the following courses:

- [PSY 8602](#) - Psychopathology & Personality (3.0 cr)
- [PSY 8617](#) - Ethical and Equitable Decisions in Clinical Science and Counseling Psychology (3.0 cr)
- [PSY 8611](#) ~~(Inactive)~~ (5.0 cr)
- [PSY 8616](#) - Applied Assessment II, Personality and Psychopathology (3.0 cr)
- [PSY 8603](#) - Clinical Seminar Series: Contemporary Directions In Clinical Psychology Research (1.0 cr)
- [PSY 8619](#) - Foundations in Therapeutic Intervention Applying Theory to Clinical Practice (3.0 cr)
- [PSY 8622](#) - Theories and Methods of Effective Intervention (3.0 cr)
- [PSY 8814](#) - Analysis of Psychological Data (4.0 cr)
- [PSY 8815](#) - Analysis of Psychological Data (4.0 cr)

#### Clinical Psychology Practicum (4 credits)

Take 1 credit of the following at least 4 times in consultation with the advisor:

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

#### Research Courses (12 credits)

Select at least 12 credits from the following in consultation with the advisor:

- [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)



### Elective Breadth Courses (9 credits)

Select credits from at least 2 of the following areas, in consultation with the advisor, for a minimum of 9 credits. Other courses can be applied to the requirement with advisor approval.

#### Brain Science (0 to 6 credits)

- 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 (0 to 6 credits)

- PSY 5014 - Psychology of Human Learning and Memory (3.0 cr)
- PSY 5015 - Cognition, Computation, and Brain (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)

#### Developmental (0 to 6 credits)

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

#### Differential/Behavior Genetics (0 to 6 credits)

- PSY 5135 - Psychology of Individual Differences (3.0 cr)

#### Industrial/Organizational (0 to 6 credits)

- PSY 5701 - Employee Selection and Staffing (3.0 cr)
- PSY 5703 - Psychology of Organizational Training and Development (3.0 cr)
- PSY 5708 - Organizational Psychology (3.0 cr)

#### Measurement (0 to 6 credits)

Psy 5862 is required to satisfy the Measurement area. The additional courses below may be taken after 5862 is completed as a secondary Measurement fulfillment.

- PSY 5862 - Psychological Measurement: Theory and Methods (3.0 cr)
- PSY 5865 - Advanced Measurement: Theory and Application (3.0 cr)
- EPSY 8222 - Advanced Measurement: Theory and Application (3.0 cr)

#### Personality (0 to 6 credits)

- PSY 5101H - Honors: Personality: Current Theory and Research (3.0 cr)
- PSY 8664 - Personality Assessment (3.0 cr)

#### Sensation and Perception (0 to 6 credits)

- PSY 5031W - Perception [WI] (3.0 cr)
- PSY 5036W - Computational Vision [WI] (3.0 cr)
- PSY 5037 - Psychology of Hearing (3.0 cr)
- PSY 8041 - Proseminar in Perception (3.0 cr)

#### Social (0 to 6 credits)

- 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 5206 - Social Psychology and Health Behavior (3.0 cr)
- PSY 8201 - Social Cognition (3.0 cr)
- PSY 8202 - Close Relationships (3.0 cr)
- PSY 8203 - Impression Management (3.0 cr)
- PSY 8204 - Social Psychology of Prejudice and Intergroup Relations (3.0 cr)
- PSY 8205 - Principles of Social Psychology (3.0 cr)
- PSY 8208 - Social Psychology: The Self (3.0 cr)
- PSY 8209 - Research Methods in Social Psychology (3.0 cr)

#### Statistics (0 to 6 credits)

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

### Cognitive and Brain Sciences

#### Core Areas (12 credits)

Select credits from each of the 3 following areas, plus an additional credits 3, for a minimum of 12 credits. Courses are selected in consultation with the advisor.

##### Brain Science (3 to 6 credits)

- NSC 5561 - Systems Neuroscience (4.0 cr)
- NSC 5661 - Behavioral Neuroscience (2.0 cr)
- 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)

##### Cognitive Science (3 to 6 Credits)



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 5052 - Psychology of Attention (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 (3 to 6 credits)**

PSY 5031W - Perception [WI] (3.0 cr)  
PSY 5036W - Computational Vision [WI] (3.0 cr)  
PSY 5037 - Psychology of Hearing (3.0 cr)  
PSY 8041 - Proseminar in Perception (3.0 cr)

**Research Courses (3 credits)**

Select at least 3 credits from the following in consultation with the advisor.

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)

**Quantitative Methods or Research Methodology (6 credits)**

Select at least 6 credits from the following in consultation with the advisor.

CSCI 5521 - Machine Learning Fundamentals (3.0 cr)  
CSCI 5525 - Machine Learning: Analysis and Methods (3.0 cr)  
NSC 8111 - Quantitative Neuroscience (3.0 cr)  
PSY 5018H - Mathematical Models of Human Behavior (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)  
PSY 8882 - Seminar: Quantitative and Psychometric Methods (3.0 cr)  
STAT 5021 - Statistical Analysis (4.0 cr)  
STAT 5102 - Theory of Statistics II (4.0 cr)  
STAT 5303 - Designing Experiments (4.0 cr)  
STAT 5401 - Applied Multivariate Methods (3.0 cr)  
STAT 5601 - Nonparametric Methods (3.0 cr)

**General Psychology/Neuroscience Courses (3 credits)**

Select 3 credits from the following in consultation with the advisor. PSY 50xx and PSY 80xx courses cannot be applied to this requirement.

NSC 5xxx  
NSC 8xxx  
PSY 5xxx  
PSY 8xxx

**Outside Coursework (12 credits)**

Select at least 12 credits of outside coursework in consultation with the advisor.

**Counseling Psychology**

**Counseling Psychology**

**Required Courses (47 credits)**

Take the following courses. Take 4 credits of PSY 8514 and 4 credits of PSY 8515.

PSY 5501 - Self, Society and Health - What's Work Got To Do With It? (3.0 cr)  
PSY 5862 - Psychological Measurement: Theory and Methods (3.0 cr)  
PSY 5960 - Topics in Psychology (1.0 - 4.0 cr)  
PSY 8602 - Psychopathology & Personality (3.0 cr)  
PSY 8501 - Counseling Psychology: History and Theories (3.0 cr)  
PSY 8502 - Assessment in Counseling Psychology (3.0 cr)  
PSY 8503 - Interviewing and Intervention (3.0 cr)  
PSY 8514 - University Counseling Practicum I (4.0 - 6.0 cr)  
PSY 8515 - University Counseling Practicum II (4.0 - 6.0 cr)  
PSY 8541 - Multicultural Psychology (3.0 cr)  
PSY 8617 - Ethical and Equitable Decisions in Clinical Science and Counseling Psychology (3.0 cr)  
PSY 8545 - Counseling Psychology Process and Outcome Research (3.0 cr)  
PSY 8814 - Analysis of Psychological Data (4.0 cr)  
PSY 8815 - Analysis of Psychological Data (4.0 cr)

**Advanced Practicum (8 credits)**

Take at least 1 credit of PSY 8560 the fall semester of years 3, 4, and 5 for a minimum total of 3 credits. Take 1 credit of PSY 8561 the spring semester of years 3, 4, and 5 for a minimum total of 3 credits. Take 1 credit of PSY 8565 (offered in the fall) and 1 credit of PSY 8566 (offered in the spring) year 3 or year 4 for a total of 2 credits.

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 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)

**General Psychology Electives (21 credits)**

**Affective and Biological Aspects of Behavior (9 credits)**

Only 6 credits are required; however, students need to choose between PSY 5062 or PSY 5064 and PSY 5135 or PSY 5137 (one course from each pairing of two). Another 5xxx or 8xxx-level course on affect, mood, emotion, and multiple biological underpinnings of behavior can be applied to this requirement with advisor approval.

**PSY 5062** - Cognitive Neuropsychology (3.0 cr)

**PSY 5064** - Brain and Emotion (3.0 cr)

**PSY 5135** - Psychology of Individual Differences (3.0 cr)

**PSY 5137** - Introduction to Behavioral Genetics (3.0 cr)

**Cognitive Aspects of Behavior (3 credits)**

Take the following course. Another 5xxx or 8xxx-level course on learning, memory, thought process, and decision-making can be applied to this requirement with advisor approval.

**PSY 5014** - Psychology of Human Learning and Memory (3.0 cr)

**Social Aspects of Behavior (3 credits)**

Take the following course. Another 5xxx or 8xxx-level course on group processes, attributions, discrimination, and attitudes can be applied to this requirement with advisor approval.

**PSY 5207** - Personality and Social Behavior (3.0 cr)

**Developmental Aspects of Behavior (3 credits)**

Select 3 credits from the following in consultation with the advisor. Another 5xxx or 8xxx-level course on transitions, growth, and lifespan development can be applied to this requirement with advisor approval.

**CPSY 5301** - Advanced Developmental Psychology (3.0 cr)

**CPSY 5302** - Cognitive and Biological Development (3.0 cr)

**CPSY 5303** - Social and Emotional Development (3.0 cr)

**CPSY 8301** - Developmental Psychology: Cognitive Processes (4.0 cr)

**CPSY 8302** - Developmental Psychology: Social and Emotional Processes (4.0 cr)

**Statistics (3 credits)**

Select 3 credits from the following in consultation with the advisor. Another 5xxx or 8xxx-level advanced statistics course can be applied to this requirement with advisor approval.

**EPSY 8266** - Statistical Analysis Using Structural Equation Methods (3.0 cr)

**EPSY 8267** - Applied Multivariate Analysis (3.0 cr)

**EPSY 8268** - Hierarchical Linear Modeling in Educational Research (3.0 cr)

**EPSY 8282** - Statistical Analysis of Longitudinal Data (3.0 cr)

**PSY 8960** - Graduate Seminar in Psychology (1.0 - 4.0 cr)

**Industrial/Organizational Psychology**

**Course Requirements**

**Foundational Statistics and Measurement (11 Credits)**

Take the following courses. Other courses can be applied to this requirement with advisor approval.

**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)

**Industrial-Organizational Psychology (16 Credits)**

Select at least 16 credits from the following in consultation with the advisor. For the following three courses (PSY 5701, PSY 5703, PSY 5708), other courses may be applied to this requirement with advisor approval.

Take the following courses: PSY 8701, PSY 8702, PSY 8703.

**PSY 5701** - Employee Selection and Staffing (3.0 cr)

**PSY 5703** - Psychology of Organizational Training and Development (3.0 cr)

**PSY 5708** - Organizational Psychology (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)

**Foundational Psychological Science (3 credits)**

Select at least 3 credits, in consultation with the advisor, from one of the following 9 areas. Other courses at 5xxx-level or higher can be applied to this requirement with advisor approval.

**Brain Science (0 to 3)**

**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 (0 to 3)**

**PSY 5014** - Psychology of Human Learning and Memory (3.0 cr)

**PSY 5015** - Cognition, Computation, and Brain (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)

**Counseling (0 to 3 credits)**

PSY 5501 - Self, Society and Health - What's Work Got To Do With It? (3.0 cr)  
PSY 8501 - Counseling Psychology: History and Theories (3.0 cr)  
PSY 8502 - Assessment in Counseling Psychology (3.0 cr)  
PSY 8503 - Interviewing and Intervention (3.0 cr)  
PSY 8541 - Multicultural Psychology (3.0 cr)

**Developmental (0 to 3 credits)**

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

**Differential/Behavior Genetics (0 to 3 credits)**

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

**Personality (0 to 3 credits)**

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)

**Psychopathology (0 to 3 credits)**

CPSY 8606 - Advanced Developmental Psychopathology (3.0 cr)  
PSY 8602 - Psychopathology & Personality (3.0 cr)  
PSY 8617 - Ethical and Equitable Decisions in Clinical Science and Counseling Psychology (3.0 cr)  
PSY 8611 ~~(Inactive)~~ (5.0 cr)  
PSY 8616 - Applied Assessment II, Personality and Psychopathology (3.0 cr)  
PSY 8622 - Theories and Methods of Effective Intervention (3.0 cr)

**Sensation and Perception (0 to 3 credits)**

PSY 5031W - Perception [WI] (3.0 cr)  
PSY 5036W - Computational Vision [WI] (3.0 cr)  
PSY 5037 - Psychology of Hearing (3.0 cr)  
PSY 8041 - Proseminar in Perception (3.0 cr)

**Social (0 to 3 credits)**

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 5206 - Social Psychology and Health Behavior (3.0 cr)  
PSY 8201 - Social Cognition (3.0 cr)  
PSY 8202 - Close Relationships (3.0 cr)  
PSY 8203 - Impression Management (3.0 cr)  
PSY 8204 - Social Psychology of Prejudice and Intergroup Relations (3.0 cr)  
PSY 8205 - Principles of Social Psychology (3.0 cr)  
PSY 8208 - Social Psychology: The Self (3.0 cr)  
PSY 8209 - Research Methods in Social Psychology (3.0 cr)

**Electives (6 credits)**

Select at least 6 credits, in consultation with the advisor, from one or more of the following areas. Other courses may be applied to this requirement with advisor approval. PSY 8960, if selected, must be one of the identified topics sections.

**I-O Psychology (0 to 6 credits)**

PSY 8960 - Graduate Seminar in Psychology (1.0 - 4.0 cr)  
Seminar in Psych - Meta-Analysis

Seminar in Psych - Fairness and Bias  
Seminar in Psych - Personality at Work  
Seminar in Psych - Motivation at Work  
Seminar in Psych - Counterproductive Work Behaviors

**Psychology (0 to 6 credits)**

PSY 5xxx  
PSY 8xxx

**Related Disciplines (0 to 6 credits)**

EPSY 5xxx  
EPSY 8xxx  
STAT 5xxx  
STAT 8xxx  
APEC 5xxx  
APEC 8xxx



CSOM 5xxx

CSOM 8xxx

LAW 5xxx

LAW 8xxx

**Supporting Concentration Coursework (12 credits)**

**Quantitative Methods (9 credits)**

Take each of the following required PSY 8960 topics courses for 3 credits. Other courses may be substituted with advisor approval.

PSY 8960: Research Methods in I-O Psychology

PSY 8960: Data Science

PSY 8960: Multivariate

**Additional Quantitative Coursework (3 credits)**

Select 3 credits from the following in consultation with the advisor. Other courses can be substituted with advisor approval.

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

[EPSY 8264](#) - Advanced Multiple Regression Analysis (3.0 cr)

[EPSY 8265](#) - Factor Analysis (3.0 cr)

[EPSY 8266](#) - Statistical Analysis Using Structural Equation Methods (3.0 cr)

[EPSY 8268](#) - Hierarchical Linear Modeling in Educational Research (3.0 cr)

[EPSY 8282](#) - Statistical Analysis of Longitudinal Data (3.0 cr)

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

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

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

[PUBH 7430](#) - Statistical Methods for Correlated Data (3.0 cr)

[PUBH 7440](#) - Introduction to Bayesian Analysis (3.0 cr)

[PUBH 8442](#) - Bayesian Decision Theory and Data Analysis (3.0 cr)

[PUBH 8452](#) - Advanced Longitudinal Data Analysis (3.0 cr)

[STAT 5302](#) - Applied Regression Analysis (4.0 cr)

[STAT 5303](#) - Designing Experiments (4.0 cr)

[STAT 5401](#) - Applied Multivariate Methods (3.0 cr)

**Personality, Individual Differences and Behavior Genetics**

Students without the master's upon matriculation must complete the University's Psychology MA degree (thesis option) or equivalent master's degree with advisor and director of graduate studies approval.

**Required Courses (14 credits)**

Take the following courses:

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

[PSY 5960](#) - Topics in Psychology (1.0 - 4.0 cr)

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

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

**Core Electives (6 credits)**

Select 6 credits from the following in consultation with the advisor:

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

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

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

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

**Statistics Electives (3 credits)**

Select 3 credits from the following in consultation with the advisor:

[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 (6 credits)**

Select 6 credits from the following in consultation with the advisor. Other courses can be applied to this requirement with advisor approval.

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

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

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

**Quantitative/Psychometric Methods**

**Required Courses (31 credits)**

Take the following courses. Take 21 total credits of PSY 8881 and 8882, in consultation with the advisor. Take 3 credits of PSY 8960

Seminar: Multivariate Statistics for Social Scientists.

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

[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)

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

**Statistics Courses (6 credits)**

Select one of the following course sequences in consultation with the advisor:

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)

**General Psychology Courses (3 credits)**

Select at least 3 credits from the following in consultation with the advisor:

CPSY 5xxx

CPSY 8xxx

PSY 5xxx

PSY 8xxx

**Electives (6 credits)**

Select 6 credits from the following in consultation with the advisor. Application of PSY 8960 credits to this requirement is strongly encouraged.

PSY 8960: Computerized Adaptive Testing (3.0 cr)

PSY 8960: Item Response Theory (3.0 cr)

PSY 8960: Multilevel Modeling (3.0 cr)

EPSY 8264 - Advanced Multiple Regression Analysis (3.0 cr)

EPSY 8265 - Factor Analysis (3.0 cr)

EPSY 8266 - Statistical Analysis Using Structural Equation Methods (3.0 cr)

EPSY 8267 - Applied Multivariate Analysis (3.0 cr)

EPSY 8268 - Hierarchical Linear Modeling in Educational Research (3.0 cr)

EPSY 8282 - Statistical Analysis of Longitudinal Data (3.0 cr)

MATH 5447 - Theoretical Neuroscience (4.0 cr)

PUBH 7407 - Analysis of Categorical Data (3.0 cr)

PUBH 7430 - Statistical Methods for Correlated Data (3.0 cr)

PUBH 7460 - Advanced Statistical Computing (3.0 cr)

PUBH 8442 - Bayesian Decision Theory and Data Analysis (3.0 cr)

PUBH 8452 - Advanced Longitudinal Data Analysis (3.0 cr)

PUBH 8475 - Statistical Learning and Data Mining (3.0 cr)

STAT 5201 - Sampling Methodology in Finite Populations (3.0 cr)

STAT 5401 - Applied Multivariate Methods (3.0 cr)

STAT 5421 - Analysis of Categorical Data (3.0 cr)

STAT 5601 - Nonparametric Methods (3.0 cr)

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 8053 - Applied Statistical Methods 3: Multivariate Analysis and Advanced Regression (3.0 cr)

STAT 8054 - Statistical Methods 4: Advanced Statistical Computing (3.0 cr)

**Social Psychology**

**Required Courses (17 credits)**

Take the following courses. Take Psy 8205 twice for a total of 6 credits. Take Psy 8206 at least 3 times for a total of 3 credits.

PSY 8205 - Principles of Social Psychology (3.0 cr)

PSY 8206 - Proseminar in Social Psychology (1.0 cr)

PSY 8814 - Analysis of Psychological Data (4.0 cr)

PSY 8815 - Analysis of Psychological Data (4.0 cr)

**Advanced Statistics Courses (3 credits)**

Select at least 3 credits from the following in consultation with the advisor.

EPSY 8264 - Advanced Multiple Regression Analysis (3.0 cr)

EPSY 8265 - Factor Analysis (3.0 cr)

EPSY 8266 - Statistical Analysis Using Structural Equation Methods (3.0 cr)

EPSY 8267 - Applied Multivariate Analysis (3.0 cr)

EPSY 8268 - Hierarchical Linear Modeling in Educational Research (3.0 cr)

EPSY 8282 - Statistical Analysis of Longitudinal Data (3.0 cr)

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

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

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

PUBH 7407 - Analysis of Categorical Data (3.0 cr)

PUBH 7430 - Statistical Methods for Correlated Data (3.0 cr)

PUBH 7440 - Introduction to Bayesian Analysis (3.0 cr)





PUBH 8422 ~~(Inactive)~~(3.0 cr)

PUBH 8442 - Bayesian Decision Theory and Data Analysis (3.0 cr)

PUBH 8452 - Advanced Longitudinal Data Analysis (3.0 cr)

STAT 5302 - Applied Regression Analysis (4.0 cr)

STAT 5303 - Designing Experiments (4.0 cr)

STAT 5401 - Applied Multivariate Methods (3.0 cr)

STAT 5601 - Nonparametric Methods (3.0 cr)

**Electives (12 credits)**

Select at least 12 credits, at least 6 of which must be from 8000-level courses, from the following in consultation with the advisor:

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 5206 - Social Psychology and Health Behavior (3.0 cr)

PSY 5207 - Personality and Social Behavior (3.0 cr)

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)

PSY 8210 - Law, Race, and Social Psychology (3.0 cr)

**Additional Psychology Course (3 credits)**

Select at least 3 credits from the following in consultation with the advisor. PSY 52xx and PSY 82xx coursework cannot be applied to this requirement.

PSY 5xxx

PSY 8xxx