PSYCHOLOGY, MA

Banner Code: LA-MA-PSYC

Academic Advising
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Fairfax Campus
Email: psycgrad@gmu.edu
Website: psychology.gmu.edu/programs/la-ma-psyc

The MA in psychology is distinguished by its emphasis on basic research and the application of research to solve practical problems in families, industry, government, and health care settings. Because of the program’s proximity to Washington D.C., students have access to many employment and continuing education opportunities in research, academia, and consulting within government, public, and private settings.

The psychology MA offers the following concentrations:

- applied developmental psychology
- cognitive and behavioral neuroscience
- human factors/applied cognition
- industrial/organizational psychology

While the department does not offer a master’s degree in clinical or counseling psychology, a master’s degree in psychology with a concentration in clinical psychology is available for students who have been admitted to the doctoral program concentration in clinical psychology.

Requirements

Degree Requirements
Total credits: 30-32

Students should be aware of the specific policies associated with this program, located on the Admissions & Policies tab.

Choose one concentration and complete the requirements therein.

For policies governing all graduate degrees, see AP.6 Graduate Policies.

Concentration in Applied Developmental Psychology (APD)
The concentration in applied developmental psychology focuses on child development. It provides basic knowledge about normal development, skills for assessing developmental level, and techniques for planning and evaluating programs that foster optimal development. Graduates are prepared for employment at agencies concerned with educational and health programs for children, enrichment programs for infants and preschoolers, and education programs for parents.

Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 704</td>
<td>Life-Span Development</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one course from any of the following areas:

- **Social Psychology:**
  - PSYC 667 Behavior in Small Groups and Teams
  - PSYC 668 Personality: Theoretical and Empirical Approaches
  - PSYC 703 Social Bases of Behavior

- **Biological Psychology:**
  - PSYC 558 Neuronal Bases of Learning and Memory
  - PSYC 559 Behavioral Chemistry
  - PSYC 702 Biological Bases of Human Behavior

- **Cognitive Psychology:**
  - PSYC 701 Cognitive Bases of Behavior
  - PSYC 768 Advanced Topics in Cognitive Science

Total Credits: 6

Quantitative Methods

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 611</td>
<td>Advanced Statistics</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 612</td>
<td>Advanced Statistics</td>
<td>3-4</td>
</tr>
<tr>
<td>PSYC 754</td>
<td>Quantitative Methods III: Psychological Applications of Regression Techniques</td>
<td>7-8</td>
</tr>
</tbody>
</table>

Specialized Content

One to two courses selected from the following: 3-6

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 566</td>
<td>Cognitive and Perceptual Development</td>
</tr>
</tbody>
</table>
Concentration in Clinical Psychology (CLN)

The clinical psychology concentration trains students to have flexibility to fill the evolving functions of clinical psychologists, including research, direct provision of clinical services, supervision, program development and evaluation, and consultation.

The clinical psychology MA concentration is not a terminal degree. Students who have been admitted to the doctoral program with a concentration in clinical psychology may apply to receive the MA in psychology on completion of 30 credits of course work. Students must also be in good standing in the program, as determined by the director of clinical training.

Foundation Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 810</td>
<td>Psychological Assessment I</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 811</td>
<td>Psychological Assessment II</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 822</td>
<td>Scientific Foundations of Clinical Psychology I</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 860</td>
<td>Introductory Helping Skills and Motivational Interviewing</td>
<td>3</td>
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<tr>
<td>Total Credits</td>
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<td>14</td>
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</table>

Practicum Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 861</td>
<td>Cognitive Behavioral Therapy for Youth</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 862</td>
<td>Cognitive Behavioral Therapy for Adults</td>
<td>3</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

Advanced Statistics and Research Methods

Note: For doctoral quantitative emphases B and C, both PSYC 754 Quantitative Methods III: Psychological Applications of Regression Techniques and PSYC 756 Quantitative Methods IV: Multivariate Techniques in Psychology must be taken, but only one of these courses is required for the MA.

Select three or more courses from the following: 10-11

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 644</td>
<td>Methods for Social Research</td>
<td></td>
</tr>
<tr>
<td>PSYC 611</td>
<td>Advanced Statistics</td>
<td></td>
</tr>
<tr>
<td>PSYC 612</td>
<td>Advanced Statistics</td>
<td></td>
</tr>
<tr>
<td>or PSYC 754</td>
<td>Quantitative Methods III: Psychological Applications of Regression Techniques</td>
<td></td>
</tr>
<tr>
<td>or PSYC 756</td>
<td>Quantitative Methods IV: Multivariate Techniques in Psychology</td>
<td></td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>10-11</td>
</tr>
</tbody>
</table>

Concentration in Cognitive and Behavioral Neuroscience (CBNR)

The concentration in cognitive and behavioral neuroscience focuses on studying biological substrates of behavior. Core and affiliated faculty study areas as diverse as neural control of behavioral development; animal models of learning and memory and their disorders (such as Alzheimer’s); human brain systems involved in cognition, perception, human error, decision making, and movement; the relation of neural activity to human performance; and cognitive aging. A focus of the program is on translational neuroscience-complementary study of neural systems in humans and animals, including application of animal research to human behavior.

Specialized Content

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 531</td>
<td>Mammalian Neurobiology</td>
<td>3</td>
</tr>
</tbody>
</table>

1 Students should take 1 credit in fall and 1 credit in spring of their first year.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 558</td>
<td>Neuronal Bases of Learning and Memory</td>
<td>3</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

**Additional Course**
Select one course from the following:  
- PSYC 555 Neuroimaging  
- PSYC 559 Behavioral Chemistry  

Total Credits: 3

**Quantitative Methods**
PSYC 611 Advanced Statistics 4
Select one course from the following:  
- PSYC 612 Advanced Statistics  
- PSYC 652 Quantitative Methods II: Analysis of Variance  
- PSYC 754 Quantitative Methods III: Psychological Applications of Regression Techniques  
- PSYC 756 Quantitative Methods IV: Multivariate Techniques in Psychology  
- PSYC 592 Special Topics (Bayesian Statistics)  
- PSYC 592 Special Topics (Animal Methods)  
- PSYC 892 Special Topics in Psychology (Human Experimentation)

Total Credits: 7-8

1. When topic is Bayesian Statistics.
2. When topic is Animal Methods.
3. When topic is Human Experimentation.

**Professional Seminar**
One credit of  
- PSYC 890 Seminar in Professional Psychology  

Total Credits: 1

**Electives**
Students complete the 30 credits required for the degree through additional credits of coursework or research.

Select at least 7 credits from courses below or other courses with the approval of advisor:  
- PSYC 592 Special Topics (Animal Behavior)  
- PSYC 592 Special Topics (Biological Bases of Alzheimer’s Disease)  
- PSYC 592 Special Topics (Comparative Cognition)  
- PSYC 892 Special Topics in Psychology (Cognitive Neuroscience)

Total Credits: 7

1. When topic is Animal Behavior.
2. When topic is Biological Bases of Alzheimer’s Disease.
3. When topic is Comparative Cognition.
4. When topic is Cognitive Neuroscience.

**Thesis**
A thesis is normally required, but 6 credits of PSYC 792 Psychology Practicum may serve as a substitute if approved by the advisor and program coordinator.

Students should be aware of the policies governing theses. They must follow the thesis enrollment policy of the university and once enrolled in PSYC 799 Master’s Thesis, maintain continuous enrollment. See Academic Policies.

Select 6 credits from the following:  
- PSYC 798 Thesis Proposal  
- PSYC 799 Master’s Thesis (minimum of 3 credits)

Total Credits: 6

**Concentration in Human Factors/Applied Cognition (HF)**
The human factors/applied cognition concentration trains students in the application of cognitive science to real-world problems. Students gain expertise in such areas as human/computer interaction, cognitive system engineering, cognitive ergonomics, and transportation. Faculty members help place students who do not have real-world experience in a part- or full-time practicum before completing the degree.

**Core Course**
PSYC 701 Cognitive Bases of Behavior 3  
or PSYC 768 Advanced Topics in Cognitive Science  

Total Credits: 3

**Quantitative Methods**
PSYC 611 Advanced Statistics 4
Select one from the following:  
- PSYC 612 Advanced Statistics  
- PSYC 652 Quantitative Methods II: Analysis of Variance  
- PSYC 754 Quantitative Methods III: Psychological Applications of Regression Techniques  
- PSYC 756 Quantitative Methods IV: Multivariate Techniques in Psychology

Total Credits: 7-8

**Specialized Content**
PSYC 530 Cognitive Engineering: Cognitive Science Applied to Human Factors 3  
PSYC 645 Research Methods in Human Factors and Applied Cognition 3

Total Credits: 6

**Additional Courses**
Select two courses from the following:  
- PSYC 734 Seminar in Human Factors and Applied Cognition  
- PSYC 768 Advanced Topics in Cognitive Science

Total Credits: 6

1. These courses may be repeated.

**Electives**
Students complete the 30 credits required for this degree through additional coursework, including courses not listed above, within or outside the department, with prior written approval of the graduate director.

Total Credits: 0-8
Optional Practicum
Students need an advisor’s approval to register for practicum.

Six credits of

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 730</td>
<td>Practicum in Applied Psychology</td>
<td>6</td>
</tr>
</tbody>
</table>

Total Credits 6

Optional Thesis
Students need the chair’s approval to register for thesis. They should be aware of the policies governing theses. They must follow the thesis enrollment policy of the university and maintain continuous enrollment. See Academic Policies.

Select 6 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 798</td>
<td>Thesis Proposal</td>
<td>6</td>
</tr>
<tr>
<td>PSYC 799</td>
<td>Master’s Thesis</td>
<td>6</td>
</tr>
</tbody>
</table>

Total Credits 6

Concentration in Industrial/Organizational Psychology (IO)
The industrial/organizational psychology concentration trains students in the conduct and application of psychological research in work settings. Expertise can be developed in a variety of areas, including personnel selection, training, leadership, motivation, and human performance assessment.

Core Course
PSYC 703 Social Bases of Behavior 3

Total Credits 3

Statistics
Select at least 10 credits of the following:

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</tr>
</thead>
<tbody>
<tr>
<td>PSYC 611</td>
<td>Advanced Statistics</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 612</td>
<td>Advanced Statistics</td>
<td>3</td>
</tr>
<tr>
<td>or PSYC 754</td>
<td>Quantitative Methods III: Psychological Applications of Regression Techniques</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 557</td>
<td>Psychometric Methods</td>
<td>3</td>
</tr>
<tr>
<td>or PSYC 633</td>
<td>Evaluative Research in Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 10

Survey of Content
PSYC 636 Survey of Industrial Psychology 3
PSYC 639 Survey of Organizational Processes 3

Total Credits 6

Specialized Content
Select three courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 638</td>
<td>Training: Psychological Contributions to Theory, Design, and Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 640</td>
<td>Techniques in Industrial/Organizational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 733</td>
<td>Issues in Personnel Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 741</td>
<td>Psychology of Work Motivation</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 667</td>
<td>Behavior in Small Groups and Teams</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 631</td>
<td>Industrial and Personnel Testing and Evaluation</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 9

1 When their topic is relevant, other courses, including sections of PSYC 592 Special Topics, may be applied to this requirement.

Professional Development
Select 1 credit from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 890</td>
<td>Seminar in Professional Psychology</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Credits 1

1 Requires advisor’s approval.

Electives
Students complete the 32 credits required for this degree through additional coursework in statistics or specialized content

Accelerated Master's

Psychology, BA or BS/Psychology, Accelerated MA (Cognitive and Behavioral Neuroscience Concentration)

Overview
Highly qualified Mason undergraduate psychology majors may apply to the accelerated master’s degree with a concentration in cognitive and behavioral neuroscience. If accepted, students will be able to earn a BA or BS in psychology and a MA in psychology with a concentration in cognitive and behavioral neuroscience after satisfactory completion of 146 credits.

For more detailed information, see AP.6.7 Bachelor’s/Accelerated Master’s Degrees. For policies governing all graduate degrees, see AP.6 Graduate Policies.

Application Requirements
Applicants to all graduate programs at George Mason University must meet the admission standards and application requirements for graduate study as specified in Graduate Admissions. For information specific to this program, see Application Requirements and Deadlines (http://psychology.gmu.edu/programs/application/LA-MA-ACEL-PSYC) on the departmental website.

Accelerated Option Requirements
While undergraduate students, accelerated master’s students complete six credits of graduate courses (chosen from PSYC 531 Mammalian Neurobiology, PSYC 555 Neuroimaging, PSYC 558 Neuronal Bases of Learning and Memory, PSYC 559 Behavioral Chemistry, and approved sections of PSYC 592 Special Topics) as indicated on their Accelerated Master’s Program Application with a minimum grade of 3.00 in each course. Once admitted to the accelerated master’s pathway, students must maintain a minimum cumulative GPA of 3.25 in all coursework. On completion and conferral of the undergraduate degree in the semester indicated in the application, they submit the Bachelor’s/Accelerated Master’s Transition Form and are admitted to graduate status.
As graduate students, accelerated master’s students have an advanced standing. They must meet all master’s degree requirements except for the two courses (6 credits) they completed as undergraduates. Students must begin their master’s program the semester immediately following conferral of the undergraduate degree.

**Reserve Graduate Credit**

Students may take up to 6 additional graduate credits as reserve graduate credit (chosen from PSYC 531 Mammalian Neurobiology, PSYC 555 Neuroimaging, PSYC 558 Neuronal Bases of Learning and Memory, PSYC 559 Behavioral Chemistry, and approved sections of PSYC 592 Special Topics. These credits do not apply to the undergraduate degree. To apply these credits to the master’s degree, students should use the Bachelor’s/Accelerated Master’s Transition Form.

The ability to take courses, including ones not listed above, for reserve graduate credit is available to all high achieving undergraduates with the permission of the department. Permission is normally granted only to qualified Mason seniors within 15 hours of graduation. See AP.1.4.4 Graduate Course Enrollment by Undergraduates for more information.