## Representative Course of Study for the Quantitative/Experimental Emphasis

### YEAR ONE

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
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<tbody>
<tr>
<td>Statistics for Psychologists I (3)</td>
<td>Statistics for Psychologists II (3)</td>
</tr>
<tr>
<td>Proseminar in Experimental Psychology (1)</td>
<td>Proseminar in Experimental Psychology (2)</td>
</tr>
<tr>
<td>Research Methods (3)</td>
<td>Ethics, Professional Issues, and Diversity (3)</td>
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<tr>
<td>Elective (3)</td>
<td>Elective (3)</td>
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### YEAR TWO

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
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<tbody>
<tr>
<td>Proseminar in Experimental Psychology (1)</td>
<td>Proseminar in Experimental Psychology (2)</td>
</tr>
<tr>
<td>Required breadth course* (3)</td>
<td>Elective (3)</td>
</tr>
<tr>
<td>Elective (3)</td>
<td>Thesis (3)</td>
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<td>Thesis (3)</td>
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### YEAR THREE

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
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<tbody>
<tr>
<td>Teaching of Psychology (3)</td>
<td>Required breadth course* (3)</td>
</tr>
<tr>
<td>Experimental Psych. Qualifying Paper Res. (3)</td>
<td>Independent study (3)</td>
</tr>
<tr>
<td>Elective (3)</td>
<td>Dissertation (3)</td>
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### YEAR FOUR

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
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<tbody>
<tr>
<td>Elective (3)</td>
<td>Elective (3)</td>
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<tr>
<td>Elective (3)</td>
<td>Dissertation (6)</td>
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<tr>
<td>Dissertation (3)</td>
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</tbody>
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* PSY 701, 703, 704, or 705

Degree credits listed in parentheses.

Teaching of Psychology, Experimental Psych. Qualifying Paper Res., and Independent Study could be substituted with other electives.
Electives for Different Specializations

Within the Quantitative/Experimental emphasis, students may use their 21 elective credits to specialize within one of the following four areas or a particular area developed in consultation with one’s major advisor. Note that PSY 711: Advanced Seminar in Psychological Statistics may be used as an elective for any area of specialization and may be repeated if a different topic is offered.

Psychometrics
Select among the following courses:
PSY 712: Psychometrics
PSY 710: Multivariate Statistics or EPY 733 Multivariate Statistics or STA: Multivariate Statistical Models
PSY 683: Theories of Personality
EPY 723: Theory and Practice of Human Measurement I
EPY 724: Theory and Practice of Human Measurement II
EPY 725: Item Response Theory and Applications
EPY 732: Multiple Regression and Path Analysis
EPY 734: Latent Variable Models: Factor Analysis and SEM
EPY 718: Qualitative Research Methodology or NURS 781: Qualitative Research Methods in Nursing or SOC 705: Qualitative Research

Applied Data Analyst
Select among the following courses:
PSY 710: Multivariate Statistics or EPY 733 Multivariate Statistics or STA: Multivariate Statistical Models
EPY 732: Multiple Regression and Path Analysis
EPY 734: Latent Variable Models: Factor Analysis and SEM
EPY 718: Qualitative Research Methodology or NURS 781: Qualitative Research Methods in Nursing or SOC 705: Qualitative Research
STA 761: Regression Analysis I
STA 762: Regression Analysis II
EAB 753: Nonparametric Methods for the Health Sciences or EPY 745: Categorical/Nonparametric Data Analysis or STA 695: Nonparametric Methods
STA 753: Bayesian Data Analysis
STA 793: Techniques of Statistical Consulting

Quantitative Programmer
Select among the following courses:
CS 617: Introduction to Computer Simulation
CS 717: Advanced Computer Simulation
MAT 663: Advanced Matrix Theory and Applications
PSY 710: Multivariate Statistics or EPY 733 Multivariate Statistics or STA: Multivariate Statistical Models
EPY 734: Latent Variable Models: Factor Analysis and SEM
EPY 732: Multiple Regression and Path Analysis
EAB 753: Nonparametric Methods for the Health Sciences or EPY 745:
  Categorical/Nonparametric Data Analysis or STA 695: Nonparametric Methods
STA 753: Bayesian Data Analysis
STA 761: Regression Analysis I
STA 762: Regression Analysis II

Evolutionary Psychology
Select among the following courses:
PSY 743: Human Sexuality
PSY 741: Psychology and Health
ANTH 671: Evolution of Human Sexuality
ANTH 669: Evolution and Biology of Human Behavior
ANTH 660: Primate Evolution
ANTH 675: Evolutionary Medicine
PSY 766: Independent Study
PSY 768: Independent Research