Psychology (Quantitative Research Methods), PhD

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This program is distinctive for its continuous recognition as one of the nation's top programs, with graduates holding positions at prestigious research universities, research corporations and government agencies. You can collaborate on projects across disciplines with faculty renowned and internationally recognized for their distinguished quantitative research, mentoring and teaching.

Program Description

Degree Awarded: PHD Psychology (Quantitative Research Methods)

The quantitative research methods concentration of the PhD program in psychology focuses on the broad class of quantitative and methodological issues that arise in the conduct of both basic and applied psychological research.

There are seven core faculty members in the quantitative concentration who, in addition to their quantitative research, collaborate with colleagues in substantive research areas. These collaborations help to support the training of students in quantitative methods against a backdrop of methodological issues associated with the substance of psychological science.

The quantitative concentration program is committed to training the next generation of psychological methodologists who make contributions in developing methods in the areas of measurement, study design and analysis, modeling, and evaluating the utility of new and existing methods in psychological research.

At a Glance

- **College/School:** [The College of Liberal Arts and Sciences](#)
- **Location:** Tempe
Degree Requirements

84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation

**Required Core (3 or 4 credit hours)**
PSY 502 Professional Issues in Psychology (3) or
PSY 531 Multiple Regression in Psychological Research (4)

**Concentration (3 credit hours)**
PSY 533 Structural Equation Modeling (3)

**Other Requirements (31 credit hours)**
PSY 530 Intermediate Statistics (4)
PSY 532 Analysis of Multivariate Data (3)
PSY 534 Psychometric Methods (3)
PSY 536 Statistical Methods in Prevention Research (3)
PSY 537 Longitudinal Growth Modeling (3)
PSY 538 Advanced Structural Equation Modeling (3)
PSY 539 Multilevel Models for Psychological Research (3)
PSY 540 Missing Data Analysis (3)
PSY 543 Statistical Mediation Analysis (3)
PSY 555 Experimental and Quasi-Experimental Designs for Research (3)

**Electives (22 or 23 credit hours)**

**Research (12 credit hours)**

**Culminating Experience (12 credit hours)**
PSY 799 Dissertation (12)

**Additional Curriculum Information**
Electives are determined in consultation with the student's supervisory committee.

Other requirements courses may be substituted for other courses based on consultation with the student's supervisory committee.

**Admission Requirements**

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.
Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program, or applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in an applicable master's degree program.

All applicants must submit:

1. graduate admission application and application fee
2. official transcripts
3. SlideRoom application and fee
4. statement of purpose form
5. curriculum vitae or resume
6. GRE scores
7. three letters of recommendation
8. proof of English proficiency

**Additional Application Information**

An applicant whose native language is not English must provide proof of English proficiency regardless of their current residency.

To apply to the doctoral program, applicants must follow the instructions on the Doctoral Program Admissions Instructions and Checklist. It is strongly recommended that applicants download and print the Doctoral Program Admissions Instructions and Checklist to ensure completion of the application process and include all of the required supplemental forms.

The Department of Psychology application process is completed online through ASU's Graduate Admission Services which includes the application form and official transcripts. Application to the Department of Psychology doctoral programs is also completed via SlideRoom to process supplemental application materials. The SlideRoom account requires an additional fee.

Applicants must submit three academic letters of recommendation from faculty members who know the student well. Three letters are required but four letters of recommendation may be submitted.

**Tuition Information**

When it comes to paying for college, everyone’s situation is different. Students can learn about ASU tuition and financial aid options to find out which will work best for them.

**Application Deadlines**

Fall

expand

**Career Opportunities**
Quantitative psychologists have expertise in both developing and applying sophisticated statistical and methodological solutions to issues that arise in research. Although the home department is psychology, the skills students develop during the doctoral training span an incredible array of applications, including areas like education, health, neuroscience and marketing.

Graduates from the ASU program are especially prized for their ability to work in interdisciplinary teams and to communicate complex concepts clearly.

Career examples include:

- consultant
- data scientist
- policy analyst
- psychology professor
- psychometrician
- research scientist

**Contact Information**

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