

## Minor in Psychological Statistics and Methods

The Minor in Psychological Statistics and Methods at the University of Missouri is a minor open to graduate students at the University of Missouri. The program is administered by the Department of Psychological Sciences and the Department of Statistics at the University of Missouri. The procedures for completing the minor are described below.

1. Select a minor adviser. This can be a faculty member of the quantitative psychology program or a member of the Psychological Statistics and Methods Coordinating Committee (listed on the proposal form).
2. In tandem with the adviser, complete the proposal form and obtain relevant signatures.
3. Complete the proposed coursework. If course substitutions are desired, the Course Substitution form must be completed and approved by the Coordinating Committee.
4. Following completion of the proposed coursework, fill out the Minor Completion form and obtain signatures. This form is sent on to the MU Graduate School.

## Requirements

Generally, seven courses in statistics and methods at the 7000 level or above:

- Doctoral students in the Department of Psychological Sciences must take at least two courses in Statistics.
- Doctoral students in the Department of Statistics must take at least two courses in Psychological Sciences.
- Doctoral students in other departments (other than Psychological Sciences and Statistics) must take five courses within Psychological Sciences and Statistics, at least two of which are in Statistics and at least two of which are in Psychological Sciences.

## Specific requirements for Psychological Sciences students

Doctoral students in the Department of Psychological Sciences must complete, with a grade of B or better:

- All three of the following courses
  - Psych 9710 Multivariate Statistics in Psychology
  - Psych 9720 Latent Variable Models
  - Psych 9715 Multilevel Models
- Two of the following courses offered by the Quantitative Psychology area (additional courses may be offered which may also count for this requirement; check with your adviser)
  - Psych 9520 Psychometrics
  - Psych 9710 Multivariate Statistics
  - Psych 9734 Psychological Process Models
  - Psych 9750 Advanced SEM
  - Psych 9760 Categorical Data Analysis
  - Decision Theory
  - Item Response Theory
  - Bayesian Methods
  - Bayesian SEM
- Two committee-approved courses from the Dept of Statistics at the 7000 level or above. The following courses are *excluded* from this requirement.
  - Stat 4970 Senior Seminar
  - Stat 7050 Connecting Statistics to Schools
  - Stat 7110 Statistical Software and Data Analysis
  - Stat 7510 Applied Statistical Models
  - Stat 7530 Analysis of Variance
  - Stat 7560 Applied Multivariate Analysis
  - Stat 7020 Statistical Methods for Health Sciences
  - Stat 7070 Statistical Methods for Research
  - Stat 8220 Applied Stats. Models II
  - Stat 8730 Stats Consulting