MA in Applied Psychometrics Curriculum

Students will complete 35 credit hours in coursework on psychometrics, applied statistics, and computing. Twenty-three credit hours are required courses, while the remaining 12 are electives. Upon completion of the coursework, students will take a comprehensive examination.

- **Required Coursework**
  - General linear models in psychology I (4 hours)
  - General linear models in psychology II (4 hours)
  - Latent variable models in statistical psychology (3 hours)
  - Item response theory in psychology I (3 hours)
  - Item response theory in psychology II (3 hours)
  - Advanced topics in psychometrics (3 hours)
  - Computing in SAS and R (3 hours)

- **Elective Coursework (3 hours each)**
  - Multivariate statistics in psychology
  - Multilevel modeling
  - Psychological process models
  - Advanced structural equation modeling
  - Categorical data analysis
  - Cluster analysis and network analysis

- **Comprehensive examination:** The comprehensive examination will cover the full range of the student’s coursework and will include both theoretical material and applied data analysis. The examination will be graded as pass/fail.