

# MEASUREMENT AND PSYCHOMETRICS CERTIFICATE

The Graduate Certificate in Measurement and Psychometrics emphasizes competencies and skills necessary to perform psychometric analyses that reflect best practices in contemporary psychometric research, theory, and practice. This 18 credit-hour certificate prepares students from various disciplines to conduct research that links latent variables (i.e., concepts that researchers cannot measure directly) to a wide variety of social, economic, educational, and health outcomes.

**NOTE:** *This certificate is not a credential for teacher certification/licensure.*

## Admission

**Application:** Students must be formally admitted into the certificate program by program faculty in order to earn the certificate.

1. Applicants will be required to submit a Statement of Purpose focusing on the goals in pursuing a Measurement certificate.
2. Applicants should carry a minimum GPA of 3.0 in all graduate classes, although special circumstances may be considered.
3. Applicants must successfully complete BER 540 (Statistical Methods in Education) or an equivalent with a grade of B or better prior to program application.

These requirements represent minimum standards/competencies that are required for admission consideration. Admission decisions will be determined on a case-by case basis.

See the Admission Criteria section of this catalog for more information.

## Curricular Requirements

1. Prerequisites: Evidence of prerequisite statistics courses comparable to BER 540 Statistical Methods In Educ, must have achieved a grade of B or better in prerequisite statistics courses.
2. Minimum Required Hours: 18

Code and Title	Hours
Required Courses:	
BER 642 Advanced Regression Methods	3
BER 657 Psychometric Theory	3
BER 658 Psychometric Theory Prac	3
Select two of the following Advanced Measurement Courses:	6
BER 669 Item Response Theory	
BER 670 Rasch Measurement Theory	
BER 671 Cognitive Diagnosis Modeling	
Select one of the following Electives:	3
BER 646 Structural Equation Modl	
BER 648 Advanced SEM	
BER 687 Field Work Educ Research *	
BER 689 Practicum Educ Research *	
BER 695 Spec Top in Ed Research *	
<b>Total Hours</b>	<b>18</b>

### Footnotes

- \* BER 687, BER 689, and BER 695 must be measurement and psychometrics focused and be approved by measurement & psychometrics certificate coordinator.

## Transfer Credit

Students may substitute BER 642 Advanced Regression Methods for BER 639 Applied Regression Analysis. Other transfer credits will be approved on a case-by-case basis, but will typically not be accepted. The maximum number of credits to be transferred is 12.

## Hours that Might be Used Later if Admitted to a Degree Program

ALL (18 hours and beyond, all courses are advanced doctoral level research courses).

## Time Limit for Certificate Completion

Coursework must be completed within six (6) years.

Graduate School information on Time Limits.

## Academic Misconduct Information

Graduate School information on Academic Misconduct.

## Withdrawals and Leave of Absence

Graduate School information on Withdrawals and Leave of Absence.

## Academic Grievance Information

Graduate School information on Academic Grievances.

## Grades and Academic Standing

Graduate School information on Grades and Academic Standing.