

APPLIED MEASUREMENT CERTIFICATE

Introduction

Measurement is vital to the social science field as we study people's aptitude, learning/achievement, experiences, personality traits, and states of being. The Measurement certificate will develop your expertise by combining measurement theories, statistical modeling techniques, and observing human behavior. Students learn to use, create, and validate measures through Classical Test Theory and Item Response Theory. Our students work with real data in applied environments with applications in education, policy, counseling, and psychology fields. Students learn to write for publication and to communicate results to practitioners, the direct users of these scales.

Program Delivery

- This is a fully online program.

Program Requirements

Certificate Structure

The certificate consists of four courses, totaling 12 credit hours, and may be earned in one year. Courses may be taken as part of the certificate as well as used toward the Master of Arts in Research and Evaluation Methods (<http://catalog.ucdenver.edu/cu-denver/graduate/schools-colleges-departments/school-education-human-development/research-evaluation-methods/research-evaluation-methods-ma/>).

Code	Title	Hours
Required Courses		
RSEM 7110	Intermediate Statistics	3
Select three of the following:		9
RSEM 5110	Introduction to Measurement	
RSEM 7050	Methods of Survey Research	
RSEM 7130	Advanced Measurement: Item Response Theory	
RSEM 7800	Structural Equation Modeling	
RSEM 5840	Independent Study: RSEM or RSEM 784Independent Study: RSEM	
Total Hours		12