

# EDUCATIONAL RESEARCH METHODOLOGY, DOCTORAL MINOR

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## Minor Requirements

Required: 15 credit hours

Code	Title	Credit Hours
<b>Core Courses (15 credits)</b>		
Select 15 credits from the following:		15
ERM 700	Validity and Validation	
ERM 726	Advanced Topics in Educational Measurement	
ERM 727	Computer-Based Testing: Methods and Applications	
ERM 731	Structural Equation Modeling in Education	
ERM 732	Hierarchical Linear Modeling	
ERM 733	Second Language Assessment and Testing	
ERM 734	Equating	
ERM 736	Advanced Studies in Second Language Testing	
ERM 741	Evaluation of Educational Programs	
ERM 742	Advanced Topics in the Evaluation of Educational Programs	
ERM 750	Case Study Methods in Educational Research	
ERM 752	Applied Educational Evaluation	
ERM 767	Foundations of Educational Measurement Theory	
ERM 768	Survey Research Methods in Education	
ERM 769	Item Response Theory	
ERM 771	Advanced Item Response Theory	
ERM 772	Multidimensional Item Response Theory	
ERM 774	Data Visualization and Presentation	
ERM 780	Intermediate Statistical Methods in Education	
ERM 781	Design and Analysis of Educational Experiments	
ERM 782	Multivariate Analysis	
ERM 785	R for Education and the Social Sciences	
<b>Total Credit Hours</b>		<b>15</b>