Graduate Certificate in Applied Statistical Modeling

Semester Typically Offered	Course	Cr	Semester Planned	Semester Completed
Required Course				
Fall	RSEM 7110 Intermediate Statistics**	3		
As Offered	RSEM 7700 Multi-Level Data Modeling	3		
As Offered	RSEM 7800 Introduction to Structural Equation Modeling	3		
Choose 1 of the following:				
As Offered	RSEM 7120 Advanced Methods in Quantitative Inquiry and Measurement	3		
As Offered	RSEM 7130 Advanced Measurement using Item Response Theory	3		
As Offered	RSEM 7140 Management & Secondary Analysis of Large Datasets	3		
As Offered	RSEM 6800 R Software	3		
As Offered	RSEM 6800 Data Visualization & Manipulation	3		
All	RSEM 5840 Independent Study [An independent project focused on statistical modeling]	3		
As Offered	Other RSEM course approved by faculty advisor	3		
	Total Credits for Certificate	**12**		

** All students are required to meet a prerequisite in introductory statistics (RSEM 5100 Basic Statistics or equivalent) prior to taking courses in the Applied Statistical Modeling certificate.