



Graduate Certificate in Research Analytics

Semester Typically Offered	Course	Cr	Semester Planned	Semester Completed
Required Courses				
As Offered	RSEM 6800 R Software	3		
As Offered	RSEM 6700 Data Visualization & Manipulation	3		
Choose 2 of the following:				
Fall	RSEM 7080 Qualitative Inquiry (<i>Software learning: Dedoose</i>)	3		
Spring	RSEM 7100 Advanced Methods of Qualitative Inquiry (<i>Software learning: Excel, SPSS, JASP, and/or R</i>)	3		
As Offered	RSEM 7700 Multi-Level Data Modeling (<i>Software learning: SPSS, HLM</i>)	3		
As Offered	RSEM 7800 Introduction to Structural Equation Modeling (<i>Software learning: Excel, JASP or SPSS, Amos</i>)	3		
As Offered	RSEM 7130 Advanced Measurement using Item Response Theory (<i>Software learning: Excel, JASP or SPSS, Winsteps</i>)	3		
	Total Credits for Certificate	12		