

**Morgridge College of Education**  
**Research Methods and Statistics – Ph.D.**  
**Institutional Research Concentration**  
**Course Work Plan 2017-2018**

Student: \_\_\_\_\_

Student #: \_\_\_\_\_

Phone #: \_\_\_\_\_

E-mail: \_\_\_\_\_

<b>I. Morgridge College of Education Requirements</b>	<b>Course #</b>	<b>Expected Qtr. of Completion</b>	<b>Credit Hours</b>
<b>A. Research (*all required)</b>			
*Introductory Statistics	RMS 4910		5
*Empirical Research Methods	RMS 4930		3
*Introduction to Qualitative Research	RMS 4941		4
*Dissertation Research (must register for at least 1 hr. per Fall, Winter & Spring after most coursework is completed until Graduation)	RMS 5995		10
<b>II. Program Requirements</b>			
<b>A. Management (select at least one course)</b>			
Business Design	MGMT 4280		4
Performance and Reward Systems	MGMT 4345		4
Organizational Dynamics	MGMT 4620		4
Strategic Management	MGMT 4690		4
Strategic Human Resources	MGMT 4630		4
Managing Strategic Alliances	MGMT 4790		4
<b>B. Measurement (* required)</b>			
* Psychometric Theory (Prerequisite: RMS 4910)	RMS 4921		3
*Meta-Analysis in Social Sciences Research (Prerequisite: RMS 4910)	RMS 4932		3
Item Response Theory (Prerequisite: RMS 4921)	RMS 4922		3
<b>C. Research Methods (* required)</b>			
*Survey and Design Analysis (Prerequisite: RMS 4910)	RMS 4931		3
*Mixed Method Research Design (Prerequisite: RMS 4911, RMS 4930 & RMS 4942)	RMS 4951		4
*Research Ethics	RMS 4952		1
*Program Evaluation Theory	RMS 4960		3
Structural Foundations of Research in the Social Sciences	RMS 4940		3
Qualitative Data Collection and Analysis (Prerequisite: RMS 4941 or instructor permission)	RMS 4942		4

Community Based Research (Prerequisite: RMS 4942 & RMS 4946)	RMS 4945		4
Advanced Qualitative Research (Prerequisite: RMS 4941 & RMS 4942 or instructor permission)	RMS 4946		4
Arts Based Research (Prerequisite: RMS 4942 & RMS 4946 or instructor permission)	RMS 4947		3
Topics in Research Design (Prerequisite: RMS 4930)	RMS 4959		
<b>D. Statistics (* required)</b>			
*Correlation & Regression (Prerequisite: RMS 4910)	RMS 4911		4
*Analysis of Variance (Prerequisite: RMS 4910)	RMS 4912 (or PSYC 4330)		5
*Multivariate Analysis (Prerequisite: RMS 4911 or RMS 4912)	RMS 4913		5
Topics in Statistics	RMS 4919		
<b>Choose at least one of the following:</b>			
Structural Equation Modeling (Prerequisite: RMS 4911)	RMS 4914 (or PSYC 4350)		5
Hierarchical Linear Modeling(Prerequisite: RMS 4911)	RMS 4915		4
Latent Growth Curve Modeling (Prerequisite: RMS 4914)	RMS 4916		4
<b>III. Practicum (* required)</b>			
*Practicum in Research	RMS 4980		3
<b>IV. Cognate Requirements—Specialization area</b>			
<b>Business Information &amp; Analytics/GIS Courses (choose at least one)</b>			
Survey of Business Analytics	INFO 4100		4
Data Warehousing	INFO 4240		4
Project Management	INFO 4280		4
Predictive Analytics	INFO 4300		4
Geographic Information Systems Modeling	GEOG 3110		4
Advanced Geographic Information Systems	GEOG 3130		4
<b>Public Policy Courses (choose at least one)</b>			
American Systems of Public Policy Process	PPOL 4100		4
Microeconomic Principles for Public Policy	PPOL 4200		4
Quantitative Analysis for Public Policy (offered in Spring Quarter)	PPOL 4300		4
Analytical and Critical Skills	PPOL 4400		4
Great Issue Forums	PPOL 4501 (or) PPOL 4502		2
Special Topics in Public Policy	PPOL 4701		4

<b>Specialization Area Courses</b> <b>(Choose option below; Higher Education &lt;or&gt;</b> <b>Library and Information Science)</b>			

**SPECIALIZATION AREA COURSES**

**Specialization in Higher Education (21 credits minimum; \*Required Courses)**

<b>Course Name</b>	<b>Course Number</b>	<b>Course Credits</b>
*Organization & Governance of Higher Education	HED 4220	3
*Public Policy in Higher Education	HED 4212	3
*Financing Higher Education	HED 4221	3
*History of American Higher Education	HED 4214	3
*Current Issues in Higher Education	HED 4211	3
Inclusive Excellence in Organizations	HED 4284	3
Issues of Access & Opportunity	HED 4246	3
Retention, Persistence, and Student Success in Postsecondary Settings	HED 4247	3

**Specialization in Library and Information Science (18 credits)**

<b>Course Name</b>	<b>Course Number</b>	<b>Course Credits</b>
*Organization of Information	LIS 4010	3
*Digitization	LIS 4820	3
*Metadata Architectures (Prerequisite: LIS 4000, Lis 4010, LIS 4070 or LIS 4800 or LIS 4801)	LIS 4404	3
*Web Content Management	LIS 4206	3
*Government Publications	LIS 4362	3
*Academic Libraries	LIS 4700	3

**Specialization in Business Analytics -- (20 credits minimum).**

Course Name	Course Number	Course Credits
Business Databases	INFO 4140	4
Data Warehousing	INFO 4240	4
Predictive Analytics	INFO 4300	4
Data Mining & Visualization	INFO 4340	4
Complex Data	INFO 4360	4
Business Statistics	INFO 4610	4

Summary of Degree Requirements			
	Credits Required	Credits Transferred in	Credits Completed
<b>I. Morgridge College of Education Requirements</b>			
<b>A. Research</b>	<b>10-22</b>		
<b>II. Division/Program Requirements</b>			
<b>A. Management</b>	<b>4</b>		
<b>B. Measurement</b>	<b>6</b>		
<b>C. Research Methods</b>	<b>11</b>		
<b>D. Statistics</b>	<b>18</b>		
<b>III. Practicum</b>	<b>3</b>		
<b>IV. Cognate Requirement: Specialization in Higher Education or Library and Information Science or Business Analytics</b>	<b>19-27</b>		
<b>Total</b>	<b>Minimum 90 hours</b>		

Student's Signature \_\_\_\_\_

Date: \_\_\_\_\_

Advisor's Signature \_\_\_\_\_

Date: \_\_\_\_\_