

**Morgridge College of Education  
Research Methods and Statistics –  
Ph.D. Institutional Research  
Concentration Course Work Plan  
2019-2020**

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>			
Organization Psychology	MGMT 4301		4
Organizational Talent	MGMT 4302		4
Negotiations & Change	MGMT 4303		4
Global Leadership	MGMT 4401		4
<b>B. Measurement (* required)</b>			
* Psychometric Theory (Prerequisite: RMS 4910)	RMS 4921		3
*Meta-Analysis in Social Sciences Research (Prerequisite: RMS 4911, RMS 4930, & Preferred RMS 4912)	RMS 4932		3
Factor Analysis (Prerequisite: RMS 4911, RMS 4921)	RMS 4924		4
<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		3
* Intro to Evaluation	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 4930 & RMS 4942, or instructor permission)	RMS 4946		4
Arts Based Research (Prerequisite: RMS 4942 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 4913, RMS 4921)	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

**SPECIALIZATION AREA COURSES**  
(18 credits minimum; \*Required Courses)

**Specialization in Higher Education**

Course Name	Course Number	Course Credits
*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**

Course Name	Course Number	Course Credits
*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
Scholarly Communication	LIS 4135	3
Database Management Systems	LIS 4230	3
Data Curation	LIS 4220	3

**Specialization in Business Analytics**

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

<b>Summary of Degree Requirements</b>			
	<b>Credits Required</b>	<b>Credits Transferred in</b>	<b>Credits Completed</b>
<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>17</b>		
<b>D. Statistics</b>	<b>18-19</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>18-20</b>		
<b>Total</b>	<b>Minimum 90 hours</b>		

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

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

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

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