## Morgridge College of Education Research Methods and Statistics – Ph.D. Institutional Research Concentration Course Work Plan 2016-2017

Student:	Student #:	
Phone #:	E-mail:	

I. Morgridge College of Education Requirements	Course #	Expected Qtr. of Completion	Credit Hours
•		or compression	1104110
A. Research (*all required)			_
*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	RMS 5995		10
coursework is completed until Graduation)			
II. Program Requirements			
A. Management (select at least one course)			
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. Measurement (* required)			
* 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
C. Research Methods (* required)			
*Survey and Design Analysis (Prerequisite: RMS	RMS 4931		3
4910)			
*Mixed Method Research Design (Prerequisite:	RMS 4951		4
RMS 4911, RMS 4930 & RMS 4942)			
*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

4942 & RMS 4946) RMS 4945 4 Advanced Qualitative Research (Prerequisite: RMS 4946 At Arts Based Research (Prerequisite: RMS 4942 & RMS 4942 or instructor permission) RMS 4946 At Arts Based Research (Prerequisite: RMS 4942 & RMS 4946 Arts Tructor permission) RMS 4947 3 Topics in Research Design (Prerequisite: RMS 4942 & RMS 4959 D. Statistics (* required) RMS 4959 P. Correlation & Regression (Prerequisite: RMS 4959 P. Correlation & Regression (Prerequisite: RMS 4910) RMS 4959 P. Correlation & Regression (Prerequisite: RMS 4910) RMS 4959 P. Correlation & Regression (Prerequisite: RMS 4910) RMS 4959 P. Correlation & Regression (Prerequisite: RMS 4910) RMS 4959 P. Correlation & RMS 4911 PROSECTION (Prerequisite: RMS 4910) PROSECTION (Prerequisite: RMS 4910) PROSECTION (Prerequisite: RMS 4911) RMS 4913 PROSECTION (Prerequisite: RMS 4912) PROSECTION (Prerequisite: RMS 4919) PROSECTION (Prerequisite: RMS 4910) PROSECTION (Prerequisite: RMS 4911) RMS 4914 (Or PSYC 4350) PROSECTION (PREVE 4350) PROSECTION (P	Community Based Research (Prerequisite: RMS		
Advanced Qualitative Research (Prerequisite: RMS 4946 4 4 Arts Based Research (Prerequisite: RMS 4942 or instructor permission) RMS 4946 7 3 3 Topics in Research Design (Prerequisite: RMS 4942 & RMS 4945 or instructor permission) RMS 4959	•	RMS 4945	4
4941 & RMS 4942 or instructor permission)  Arts Based Research (Prerequisite: RMS 4942 & RMS 4947 3  Topics in Research Design (Prerequisite: RMS 4930)  D. Statistics (* required)  *Correlation & Regression (Prerequisite: RMS 4910)  *Analysis of Variance (Prerequisite: RMS 4910)  *Multivariate Analysis (Prerequisite: RMS 4910)  *Multivariate Analysis (Prerequisite: RMS 4911 or RMS 4912)  *Choose at least one of the following:  Structural Equation Modeling (Prerequisite: RMS  4911)  *RMS 4914 (or PSYC 4330)  \$Tuctural Equation Modeling (Prerequisite: RMS  4911)  *RMS 4915  *RMS 4916  *RMS 4917  *RMS 4918  *RMS 4919  *Tuctural Equation Modeling (Prerequisite: RMS  4911)  *RMS 4916  *RMS 4916  *RMS 4916  *RMS 4916  *RMS 4916  *Practicum (* required)  *Practicum in Research  *RMS 4980  3  *IV. Cognate Requirements—Specialization area  *Business Information & Analytics/GIS Courses (choose at least one)  Survey of Business Analytics  INFO 4100  4  Project Management  INFO 4240  4  Project Management  INFO 4280  4  Predictive Analytics  INFO 4300  4  Project Management  Project Management  Project Management  INFO 4300  4  Advanced Geographic Information Systems Modeling  GEOG 3110  4  Advanced Geographic Information Systems  GEOG 3130  4  Public Policy Courses (choose at least one)  American Systems of Public Policy Process  PPOL 4200  4  Quantitative Analysis for Public Policy (offered in Spring Quarter)  PPOL 4300  4	Advanced Qualitative Research (Prerequisite: RMS		
4946 or instructor permission)  RMS 4947  Topics in Research Design (Prerequisite: RMS 4930)  *Correlation & Regression (Prerequisite: RMS 4910)  *Correlation & Regression (Prerequisite: RMS 4911)  *Analysis of Variance (Prerequisite: RMS 4910)  *MILITURA Analysis (Prerequisite: RMS 4910)  *MILITURA Analysis (Prerequisite: RMS 4911 or RMS 4912)  *MILITURA Analysis (Prerequisite: RMS 4911 or RMS 4913)  *Topics in Statistics  *Choose at least one of the following:  Structural Equation Modeling (Prerequisite: RMS 4919  *MILITURA ANALYSIS (Prerequisite: RMS 4914  *MILITURA ANALYSIS (Prerequisite: RMS 4915  *MILITURA ANALYSIS (Prerequisite: RMS 4915  *MILITURA ANALYSIS (Prerequisite: RMS 4915  *MILITURA ANALYSIS (Prerequisite: RMS 4916  *MILITURA ANALYSIS (PREPAUSITE RMS 4916  *MILITURA ANALYSIS (PREPAUSITE RMS 4919  *MILITURA ANALYSIS (PREPAUSITE RMS 4910  *MILITURA ANALYSIS (PREPAUSITE RMS	·	RMS 4946	4
4946 or instructor permission)  RMS 4947  Topics in Research Design (Prerequisite: RMS 4930)  *Correlation & Regression (Prerequisite: RMS 4910)  *Correlation & Regression (Prerequisite: RMS 4911)  *Analysis of Variance (Prerequisite: RMS 4910)  *MILITURA Analysis (Prerequisite: RMS 4910)  *MILITURA Analysis (Prerequisite: RMS 4911 or RMS 4912)  *MILITURA Analysis (Prerequisite: RMS 4911 or RMS 4913)  *Topics in Statistics  *Choose at least one of the following:  Structural Equation Modeling (Prerequisite: RMS 4919  *MILITURA ANALYSIS (Prerequisite: RMS 4914  *MILITURA ANALYSIS (Prerequisite: RMS 4915  *MILITURA ANALYSIS (Prerequisite: RMS 4915  *MILITURA ANALYSIS (Prerequisite: RMS 4915  *MILITURA ANALYSIS (Prerequisite: RMS 4916  *MILITURA ANALYSIS (PREPAUSITE RMS 4916  *MILITURA ANALYSIS (PREPAUSITE RMS 4919  *MILITURA ANALYSIS (PREPAUSITE RMS 4910  *MILITURA ANALYSIS (PREPAUSITE RMS	Arts Based Research (Prerequisite: RMS 4942 & RMS		
**D. Statistics (* required)**  **Correlation & Regression (Prerequisite: RMS 4910)**  **Analysis of Variance (Prerequisite: RMS 4910)**  **Multivariate Analysis (Prerequisite: RMS 4910)**  **Multivariate Analysis (Prerequisite: RMS 4911)**  **Multivariate Analysis (Prerequisite: RMS 4911)**  **Multivariate Analysis (Prerequisite: RMS 4911)**  **RMS 4912)**  **RMS 4913**  **Topics in Statistics**  **Choose at least one of the following:**  Structural Equation Modeling (Prerequisite: RMS 4914)**  **Hierarchical Linear Modeling (Prerequisite: RMS 4915)**  **Hierarchical Linear Modeling (Prerequisite: RMS 4915)**  **Hill. Practicum (* required)**  **Practicum in Research**  **Practicum in Research**  **Practicum in Research**  **W. Cognate Requirements—Specialization area**  **Business Information & Analytics/GIS Courses (choose at least one)**  Survey of Business Analytics*  INFO 4240**  **Project Management**  INFO 4280**  4 Predictive Analytics*  Geographic Information Systems Modeling GEOG 3110**  Advanced Geographic Information Systems Modeling GEOG 3130**  **Public Policy Courses (choose at least one)**  Advanced Geographic Information Systems PPOL 4100**  Advanced Geographic Process (PPOL 4200)**  **American Systems of Public Policy Process PPOL 4200**  **American Systems of Public Policy Process PPOL 4200**  **Quantitative Analysis for Public Policy (offered in Spring Quarter)**	·	RMS 4947	3
*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 4912 RMS 4912) RMS 4913 7  *Corresponding to the following: RMS 4919 PMS 4910 PSYC 4350) PSYC 43	Topics in Research Design (Prerequisite: RMS 4930)	RMS 4959	
*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 4912 RMS 4912) RMS 4913 7  *Corresponding to the following: RMS 4919 PMS 4910 PSYC 4350) PSYC 43	D. Statistics (* required)		
#Analysis of Variance (Prerequisite: RMS 4910)  *Analysis of Variance (Prerequisite: RMS 4910)  *Multivariate Analysis (Prerequisite: RMS 4911 or RMS 4912)  *Multivariate Analysis (Prerequisite: RMS 4911 or RMS 4912)  *RMS 4912)  *RMS 4913  *Topics in Statistics  *Choose at least one of the following:  Structural Equation Modeling (Prerequisite: RMS 4914 (or PSYC 4350))  *Structural Equation Modeling (Prerequisite: RMS 4915)  *Hierarchical Linear Modeling (Prerequisite: RMS 4915)  *#P11)  *RMS 4915  *RMS 4916  *RMS 4916  **RMS 4916  **Practicum (* required)  **Practicum in Research  **INFO 4100  **Project Management  **INFO 4240  **Project Management  **INFO 4280  **Predictive Analytics  **INFO 4300  **A davanced Geographic Information Systems  **GEOG 3110  **Advanced Geographic Information Systems  **GEOG 3130  **A devanced Geographic Information Systems  **Public Policy Courses (choose at least one)  **Microeconomic Principles for Public Policy  **Quantitative Analysis for Public Policy (offered in Spring Quarter)  **PPOL 4300  **A devanced Geographic Information Systems  **PPOL 4300  **PPOL 4300  **A devanced Geographic Information Systems  **PPOL 4300  **PPOL 4300  **A devanced Geographic Information Systems  **POL 4300  **POL 4300  **POL 4300  **A devanced Geographic Information Systems  **POL 4300  **POL 4300  **POL 4300  **A devanced Geographic Information Systems  **POL 4300  **A devanced Geographic I			
*Multivariate Analysis (Prerequisite: RMS 4911 or RMS 4912)  RMS 4913  Topics in Statistics  *Choose at least one of the following:  Structural Equation Modeling (Prerequisite: RMS 4914 (or PSYC 4350) 5  Hierarchical Linear Modeling(Prerequisite: RMS 4915 4  Hill. Practicum (* required) 7  *Practicum in Research RMS 4916 3  IV. Cognate Requirements—Specialization area  *Business Information & Analytics/GIS Courses (choose at least one) 4  Project Management INFO 4240 4  Predictive Analytics Information Systems Modeling GEOG 3110 4  Advanced Geographic Information Systems GEOG 3130 4  *Public Policy Courses (choose at least one) 4  Microeconomic Principles for Public Policy (offered in Spring Quarter) PPOL 4300 4  Quantitative Analysis for Public Policy (offered in Spring Quarter) PPOL 4300 4  PPOL 4300 4  ## Advanced Geographic Information Public Policy (offered in Spring Quarter) PPOL 4300 4		RMS 4911	4
*Multivariate Analysis (Prerequisite: RMS 4911 or RMS 4912) RMS 4913 5  Topics in Statistics RMS 4919 5  Choose at least one of the following: RMS 4919 5  Structural Equation Modeling (Prerequisite: RMS 4911 (or PSYC 4350) 5  Hierarchical Linear Modeling (Prerequisite: RMS 4911) RMS 4915 4  Latent Growth Curve Modeling (Prerequisite: RMS 4914) RMS 4916 4  III. Practicum (* required) RMS 4980 3  IV. Cognate Requirements—Specialization area  Business Information & Analytics/GIS Courses (choose at least one) 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  Public Policy Courses (choose at least one) 4  Microeconomic Principles for Public Policy PPOL 4200 4  Quantitative Analysis for Public Policy (offered in Spring Quarter) PPOL 4300 4	*Analysis of Variance (Prerequisite: RMS 4910)	RMS 4912	
RMS 4912)  Topics in Statistics  RMS 4919  Choose at least one of the following:  Structural Equation Modeling (Prerequisite: RMS 4914 (or PSYC 4350) 5  Hierarchical Linear Modeling (Prerequisite: RMS 4915 4  Latent Growth Curve Modeling (Prerequisite: RMS 4916 4  III. Practicum (* required) RMS 4980 3  IV. Cognate Requirements—Specialization area  Business Information & Analytics/GIS Courses (choose at least one)  Survey of Business Analytics INFO 4200 4  Predictive Analytics  Geographic Information Systems Modeling GEOG 3110 4  Advanced Geographic Information Systems GEOG 3130 4  Microeconomic Principles for Public Policy PPOL 4200 4  Quantitative Analysis for Public Policy (offered in Spring Quarter) PPOL 4300 4		(or PSYC 4330)	5
Topics in Statistics  Choose at least one of the following:  Structural Equation Modeling (Prerequisite: RMS 4914 (or PSYC 4350)) 5  Hierarchical Linear Modeling (Prerequisite: RMS 4915) 4  Latent Growth Curve Modeling (Prerequisite: RMS 4915) 4  Latent Growth Curve Modeling (Prerequisite: RMS 4916) 4  III. Practicum (* required) **  *Practicum in Research RMS 4980 3  IV. Cognate Requirements—Specialization area  Business Information & Analytics/GIS Courses (choose at least one)  Survey of Business Analytics INFO 4100 4  Project Management INFO 4240 4  Predictive Analytics INFO 4300 4  Geographic Information Systems Modeling GEOG 3110 4  Advanced Geographic Information Systems GEOG 3130 4  Public Policy Courses (choose at least one)  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	*Multivariate Analysis (Prerequisite: RMS 4911 or		
Choose at least one of the following:  Structural Equation Modeling (Prerequisite: RMS 4914 (or 4911) PSYC 4350) 5  Hierarchical Linear Modeling (Prerequisite: RMS 4915 4  Latent Growth Curve Modeling (Prerequisite: RMS 4916 4  Latent Growth Curve Modeling (Prerequisite: RMS 4916 4  III. Practicum (* required) RMS 4916 4  IV. Cognate Requirements—Specialization area  Business Information & Analytics/GIS Courses (choose at least one)  Survey of Business Analytics INFO 4100 4  Project Management INFO 4240 4  Predictive Analytics INFO 4300 4  Geographic Information Systems Modeling GEOG 3110 4  Advanced Geographic Information Systems GEOG 3130 4  Public Policy Courses (choose at least one)  American Systems of Public Policy Process POL 4100 4  Microeconomic Principles for Public Policy PPOL 4200 4  Quantitative Analysis for Public Policy (offered in Spring Quarter) PPOL 4300 4	RMS 4912)	RMS 4913	5
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Hierarchical Linear Modeling(Prerequisite: RMS 4911)  RMS 4915  Latent Growth Curve Modeling (Prerequisite: RMS 4915)  Latent Growth Curve Modeling (Prerequisite: RMS 4916)  RMS 4916  Practicum (* required)  *Practicum in Research  RMS 4980  3  IV. Cognate Requirements—Specialization area  Business Information & Analytics/GIS Courses (choose at least one)  Survey of Business Analytics  INFO 4100  4  Project Management  INFO 4240  Predictive Analytics  INFO 4300  4  Geographic Information Systems Modeling  GEOG 3110  Advanced Geographic Information Systems  GEOG 3130  4  Public Policy Courses (choose at least one)  American Systems of Public Policy Process  PPOL 4100  4  Quantitative Analysis for Public Policy  PPOL 4200  4  Quantitative Analysis for Public Policy (offered in Spring Quarter)  PPOL 4300  4	Choose at least one of the following:		
Hierarchical Linear Modeling(Prerequisite: RMS 4915 4  Latent Growth Curve Modeling (Prerequisite: RMS 4916 4  III. Practicum (* required)	Structural Equation Modeling (Prerequisite: RMS	RMS 4914 (or	
Latent Growth Curve Modeling (Prerequisite: RMS 4915 4  HII. Practicum (* required)  *Practicum in Research RMS 4980 3  IV. Cognate Requirements—Specialization area  Business Information & Analytics/GIS Courses (choose at least one)  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  Public Policy Courses (choose at least one)  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	4911)	PSYC 4350)	5
Latent Growth Curve Modeling (Prerequisite: RMS 4916 4  III. Practicum (* required)  *Practicum in Research RMS 4980 3  IV. Cognate Requirements—Specialization area  Business Information & Analytics/GIS Courses (choose at least one)  Survey of Business Analytics INFO 4100 4  Project Management INFO 4240 4  Predictive Analytics INFO 4300 4  Predictive Analytics GEOG 3110 4  Advanced Geographic Information Systems Modeling GEOG 3110 4  Public Policy Courses (choose at least one)  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	Hierarchical Linear Modeling(Prerequisite: RMS		
#Practicum (* required)  *Practicum in Research  *Programments—Specialization  area  *Business Information & Analytics/GIS Courses (choose at least one)  *Survey of Business Analytics  INFO 4100  4  Potat Warehousing  INFO 4240  4  Project Management  INFO 4280  4  Predictive Analytics  INFO 4300  4  Predictive Analytics  GEOG 3110  4  Advanced Geographic Information Systems Modeling  Advanced Geographic Information Systems  GEOG 3130  4  *Public Policy Courses (choose at least one)  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	4911)	RMS 4915	4
**Practicum (* required)  *Practicum in Research  **Practicum in Research  **RMS 4980  **The second in Research  **The second in	Latent Growth Curve Modeling (Prerequisite: RMS		
*Practicum in Research  IV. Cognate Requirements—Specialization area  *Business Information & Analytics/GIS Courses (choose at least one)  Survey of Business Analytics  INFO 4100  4  Project Management  INFO 4240  Predictive Analytics  INFO 4300  4  Geographic Information Systems Modeling  Advanced Geographic Information Systems  GEOG 3110  Advanced Geographic Information Systems  GEOG 3130  American Systems of Public Policy Process  PPOL 4100  Microeconomic Principles for Public Policy  PPOL 4200  Quantitative Analysis for Public Policy (offered in Spring Quarter)  PPOL 4300  4	4914)	RMS 4916	4
IV. Cognate Requirements—Specialization area  Business Information & Analytics/GIS Courses (choose at least one)  Survey of Business Analytics  INFO 4100  4  Project Management  INFO 4280  Predictive Analytics  INFO 4300  4  Geographic Information Systems Modeling  Advanced Geographic Information Systems  GEOG 3110  4  Public Policy Courses (choose at least one)  American Systems of Public Policy Process  PPOL 4100  4  Quantitative Analysis for Public Policy  PPOL 4200  4  PPOL 4300  4	III. Practicum (* required)		
area  Business Information & Analytics/GIS Courses (choose at least one)  Survey of Business Analytics  INFO 4100  4  Project Management  INFO 4240  Predictive Analytics  INFO 4300  Geographic Information Systems Modeling  Advanced Geographic Information Systems  GEOG 3110  4  Public Policy Courses (choose at least one)  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	*Practicum in Research	RMS 4980	3
Business Information & Analytics/GIS Courses (choose at least one)  Survey of Business Analytics  INFO 4100  4  Project Management  INFO 4280  4  Predictive Analytics  INFO 4300  4  Geographic Information Systems Modeling  Advanced Geographic Information Systems  GEOG 3110  4  Public Policy Courses (choose at least one)  American Systems of Public Policy Process  PPOL 4100  4  Quantitative Analysis for Public Policy (offered in Spring Quarter)  PPOL 4300  4	IV. Cognate Requirements—Specialization		
(choose at least one)INFO 41004Survey of Business AnalyticsINFO 41004Data WarehousingINFO 42404Project ManagementINFO 42804Predictive AnalyticsINFO 43004Geographic Information Systems ModelingGEOG 31104Advanced Geographic Information SystemsGEOG 31304Public Policy Courses (choose at least one)4American Systems of Public Policy ProcessPPOL 41004Microeconomic Principles for Public PolicyPPOL 42004Quantitative Analysis for Public Policy (offered in Spring Quarter)PPOL 43004	area		
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  Public Policy Courses (choose at least one)  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	Business Information & Analytics/GIS Courses		
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Project Management INFO 4280 4 Predictive Analytics INFO 4300 4 Geographic Information Systems Modeling GEOG 3110 4 Advanced Geographic Information Systems GEOG 3130 4  Public Policy Courses (choose at least one) 4 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	Survey of Business Analytics	INFO 4100	4
Predictive Analytics INFO 4300 4  Geographic Information Systems Modeling GEOG 3110 4  Advanced Geographic Information Systems GEOG 3130 4  Public Policy Courses (choose at least one) 4  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	Data Warehousing	INFO 4240	4
Geographic Information Systems Modeling Advanced Geographic Information Systems GEOG 3110  4  Public Policy Courses (choose at least one) American Systems of Public Policy Process PPOL 4100  Microeconomic Principles for Public Policy PPOL 4200  Quantitative Analysis for Public Policy (offered in Spring Quarter)  PPOL 4300  4	Project Management	INFO 4280	4
Advanced Geographic Information Systems GEOG 3130 4  Public Policy Courses (choose at least one)  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	Predictive Analytics	INFO 4300	4
Public Policy Courses (choose at least one)       4         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	Geographic Information Systems Modeling	GEOG 3110	4
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	Advanced Geographic Information Systems	GEOG 3130	4
Microeconomic Principles for Public Policy PPOL 4200 4  Quantitative Analysis for Public Policy (offered in Spring Quarter) PPOL 4300 4	Public Policy Courses (choose at least one)		
Quantitative Analysis for Public Policy (offered in Spring Quarter) PPOL 4300 4	American Systems of Public Policy Process	PPOL 4100	4
in Spring Quarter) PPOL 4300 4	Microeconomic Principles for Public Policy	PPOL 4200	4
	Quantitative Analysis for Public Policy (offered		
Analytical and Critical Skills PPOL 4400 4	in Spring Quarter)	PPOL 4300	4
	Analytical and Critical Skills	PPOL 4400	4

Great Issue Forums	PPOL 4501 (or)	2
	PPOL 4502	
Special Topics in Public Policy	PPOL 4701	4
Specialization Area Courses		
(Choose option below; Higher Education <or></or>		
Library and Information Science)		

## **SPECIALIZATION AREA COURSES**

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

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	HED 4247	3
Postsecondary Settings		

## **Specialization in Library and Information Science (19 credits)**

Course Name	Course Number	Course Credits
*Organization of Information	LIS 4010	4
*Digitization	LIS 4820	3
*Metadata Architectures (Prerequisite: LIS 4000, Lis 4010,	LIS 4404	3
LIS 4070 or LIS 4800 or LIS 4801)		
*Web Content Management	LIS 4206	3
*Government Publications	LIS 4362	3
*Academic Libraries	LIS 4700	3

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

INFO 4140	
1141 0 4140	4
INFO 4240	4
INFO 4300	4
INFO 4340	4
INFO 4360	4
INFO 4610	4
	INFO 4240 INFO 4300 INFO 4340 INFO 4360

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

Student's Signature	Date:
Advisor's Signature	Date: