

Curriculum and Instruction PhD Coursework Plan

NAME _____ STUDENT # _____

Please discuss with your advisor the course plan most appropriate for your schedule. Students must maintain a cumulative grade-point average of 3.0 or better. Grades below a "B" will not be counted toward the degree. Students pursuing a CDE endorsement should consult their advisor to ensure they meet all requirements.

<i>Dissertation Research (minimum 11-13 credits)</i>			
Research as Problem Analysis	CUI 5980	4	
Research as Intervention/Applied Research	CUI 5982	4	
Defense of Dissertation Research	CUI 5983	2-3	
Independent Research	CUI 5995	1-2	
Minimum Credit Hours for Research Courses		51	
C. SPECIALIZATION			
Minimum Credit Hours for Specialization Courses		20	
D. ELECTIVES			
Minimum Credit Hours for Elective Courses		3	
Minimum Total Credit Hours		9	

Approved RMS Intermediate and Advanced Courses

Course descriptions and information can be found in the DU Bulletin.

<i>Intermediate</i>	<i>Advanced</i>
RMS 4911 Correlation and Regression	RMS 4913 Multivariate Analysis
RMS 4912 Analysis of Variance	RMS 4914 Structural Equation Modeling
RMS 4918 Propensity Score Analysis	RMS 4915 Hierarchical Linear Modeling
RMS 4922 Item Response Theory	RMS 4916 Latent Growth Curve Modeling
RMS 4924 Factor Analysis	RMS 4945 Community-Based Research
RMS 4931 Survey Design & Analysis	RMS 4946 Advanced Qual research
RMS 4932 Meta-Analysis Social Science Research	RMS 4951 Mixed Method Research Design
RMS 4942 Qual Data Collection and Analysis	
RMS 4947 Arts-Based Research	
RMS 4948 Crit and Con: Qual research	
RMS 4963 Eval Research I (RMS 4160 prereq)	
RMS 4964 Eval Research II (RMS 4160 prereq)	

Summary of Coursework Completed

	Required Credits	Credits Completed
Required Coursework	16	
Research	51	
Specialization	20	
Electives	3	
MINIMUM TOTAL CREDITS FOR DEGREE	90	

In order to maintain degree candidacy, MCE doctoral students who have finished all requested coursework will register for one dissertation or dissertation in practice credit or other credit for consecutive terms fall through spring (summers not required) until the student graduates.

**** Note:** If you seek a CDE endorsement, you must follow the specialization plan outlined in the C&I handbook, which may include additional credits or other necessary components required by the CDE.

In addition, you must complete the following non-coursework requirements: comprehensive exam, doctoral applied experiences, dissertation proposal and defense.

Student's Signature _____ Date _____

Advisor's Signature _____ Date _____

Cognate Advisor's Signature _____ Date _____
(if applicable)

Curriculum Studies Specialization

In the Curriculum Studies specialization, students complete courses intended to add to their breadth and depth of knowledge of equity and social justice in education so that they will be well-equipped to meet the learning needs of all students in a variety of educational settings. The Curriculum Studies specialization focuses on curriculum design, models of curriculum, instructional strategies, assessment, and student engagement. Coursework in this specialization encourages candidates to think critically and imaginatively about diversity, equity, and inclusion and the role of curriculum and instruction in creating a more open and inviting learning experience for all students.

	Course Number	Credit Hours	Expected Term of Completion
*Introduction to Curriculum Models and Applications	CUI 4021	4	
Curriculum Theory into Practice	CUI 4022	4	
Humanizing Pedagogies	CUI 4047	4	
Analysis of Teaching	CUI 4032	4	
Transformational Teaching and Learning	CUI 4039	4	
Teacher as Researcher	CUI 4058	4	
Total		24	

STEM Education Specialization

In the STEM Education specialization, students complete courses aimed at developing leaders and researchers in Science, Technology, Engineering, and Mathematics education with strong theoretical and historical backgrounds. The STEM Education specialization focuses on ambitious instructional practices that support meaningful learning experiences for all students, particularly those in historically marginalized groups. Students become familiar with a wide variety of research designs and methods of inquiry so that they can apply various theories to address problems of practice within STEM education. In this way, students are prepared to address matters of practice in diverse educational settings with a strong background in STEM content, pedagogy, and assessment.

	Course Number	Credit Hours	Expected Term of Completion
*Foundations of Education	CUI 4180	4	
Learning and Teaching of STEM	CUI 4610	4	
Improving STEM Instruction	CUI 4640	4	
Technology in STEM Education	CUI 4630	4	
Research in Diversity, Equity, and Social Justice in STEM Education	CUI 4620	4	
School and Curricular Reform	CUI 4041	4	
Total		24	

Gifted Education Specialization

In the Gifted Education specialization, students complete courses designed to raise awareness of the unique characteristics, social and emotional needs, identification challenges, and other issues concerning gifted students. Students will acquire a comprehensive understanding of current trends, policies, and guidelines, enabling them to effectively implement tailored academic curricula, differentiation strategies, identification processes, educational interventions, and support mechanisms for this diverse and exceptional population.

	Course Number	Credit Hours	Expected Term of Completion
*Cognitive, Creative, and Learning Theories and Applications	CUI 4700	4	
Nature, Needs, and Psychological Aspects of Giftedness	CUI 4401	4	
Curriculum and Instructional Strategies and Fieldwork for Gifted Learners	CUI 4403	4	
Current Topics in Gifted Education: Identification and Twice-Exceptionality Applications	CUI 4407	4	
Program Development, Leadership, and Communication in Gifted Education	CUI 4410	4	
Culturally and Linguistically Diverse Learners in Gifted Education	CUI 4412	4	

CLDE Specialization

	Course Number	Credit Hours	Expected Term of Completion
*Critical Perspectives in Education	CUI 4035	4	
Culturally and Linguistically Diverse Learners in Gifted Education	CUI 4412	4	
Foundations of Education for Linguistically Diverse Learners in Teaching and Learning	CUI 4529	4	
Literacy, Language, and Cultural Development for Multilingual Learners	CUI 4531	4	
Literacy, Language, and Culturally Relevant Strategies for Multilingual Learners	CUI 4538	4	
Literacy, Language, and Culture in Assessment Practices for Multilingual Learners	CUI 4536	4	
Total		24	

**Required courses*

****Specializations*