

Must be 60 hours minimum

2016-2017

Student Name \_\_\_\_\_

800# \_\_\_\_\_

The University of North Carolina at Charlotte Ph.D. in Curriculum and Instruction Mathematics Education Concentration Program of Study		
<b>Urban Education Core (Required: 12 hours)</b>		
<b>Required for all students:</b>	Semester Taken	Grade Earned
▪ EDCI 8180 Critical Issues and Perspectives in Urban Education		
▪ EDCI 8182 Power, Privilege and Education		
▪ EDCI 8186 Globalization, Urbanization and Urban Schools		
▪ EDCI 8184 Social Theory and Education		
<b>Research (minimum of 15 hours)</b>		
<i>(These courses count toward the required dissertation preparation hours.)</i>	Semester Taken	Grade Earned
▪ RSCH 8210 Applied Research Methods (required)		
▪ RSCH 8110 Descriptive and Inferential Statistics (required)		
▪ RSCH 8120 Advanced Statistics (optional)		
▪ RSCH 8111 Qualitative Research Methods (optional)		
▪ RSCH 8121 Advanced Qualitative Methods (optional)		
▪ RSCH 8112 Survey Research Methods (optional)		
▪ RSCH 8113 Single-Case Research (optional)		
▪ RSCH 8130 Presentation and Computer Analysis of Data (optional)		
▪ RSCH 8150 Structural Equation Modeling (optional)		
▪ RSCH 8196 Program Evaluation Methods (optional)		
▪ EDCI 8121 Applied Research Methods in the Teaching of English (optional)		
▪ EDCI 8250 Applied Research in Literacy Education (optional)		
▪ RSCH 8140 Multivariate Statistics (optional)		
<i>Five courses are required but not necessarily sufficient. Additional courses not listed require program director approval</i>		
<b>SPECIALIZATION COURSES (minimum of 24 hours)</b>		
<b>Mathematics Education (minimum of 9 hours)</b>	Semester Taken	Grade Earned
<b>Must be taken in this order:</b>		
▪ EDCI 8112 Theoretical Foundations of Learning Mathematics		
▪ EDCI 8113 Research in Mathematics Education		
▪ EDCI 8114 Advanced Topics in Mathematics Education		
<b>Mathematics (a minimum of 6 hours of mathematics content is required)</b>		
▪ EDCI 8004 Topics in Analysis		
▪ EDCI 8008 Topics in Geometry and Topology		

▪ EDCI 8100	Foundations of Mathematics		
▪ EDCI 8101	Foundations of Real Analysis		
▪ EDCI 8102	Calculus from an Advanced Standpoint		
▪ EDCI 8103	Computer Techniques and Numerical Methods		
▪ EDCI 8105	Problem Solving in Discrete Mathematics		
▪ EDCI 8106	Modern Algebra		
▪ EDCI 8107	Linear Algebra		
▪ EDCI 8118	Non-Euclidean Geometry		
▪ EDCI 8610	Readings in Mathematics Education		
<b>Additional Coursework in Mathematics Education, Mathematics, or related topics (9 hours)</b>			
▪ EDCI 8115	Issues in the Teaching of Secondary School Mathematics		
▪ EDCI 8160	Readings in Mathematics Education		
▪ EDCI 8609	Curriculum and Instruction Seminar		

<b>Required for Dissertation (9 hours)</b>			
• EDCI 8699	Dissertation Proposal Seminar (to be taken after successful completion of the comprehensive examinations)		
•	Dissertation (minimum of 6 hours)		

**Total hours completed** \_\_\_\_\_

**Program Director** \_\_\_\_\_