



PACIFIC INTERCONTINENTAL COLLEGE (PIC)

Doctor of Philosophy in Educational Leadership and Management Major in Mathematics Education

I. CORE COURSES		18
<ul style="list-style-type: none"> • MATH800 Theory of Functions of a Real Variable • MATH801 Mathematics in the Elementary School • MATH802 Mathematics in 2- and 4-Year Colleges • MATH803 Mathematics and Multicultural Education • MATH804 Research, Education and Policy in Mathematics Education • MATH805 Leadership: Theory, Decision Analysis through Change and Transformation* 	<p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p>	
II. MAJOR COURSES		21
<ul style="list-style-type: none"> • MATH806 Algebraic Structures • MATH807 Topological Structures • MATH808 Advanced Topics in Discrete Mathematics • MATH809 Advanced Topics in Foundations of Mathematics • MATH810 Advanced Topics in Geometry • MATH811 Advanced Topics in Mathematical Modeling • MATH812 Doctoral Seminar in Mathematics Education 	<p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p>	

III. ELECTIVES/COGNATES COURSES			9
<ul style="list-style-type: none"> • MATH813 Improving Mathematics Instruction in Middle Childhood • MATH814 Special Topics in Curriculum and Instruction • MATH815 Seminar in Advanced Statistics Applied to Education 	3 3 3		
IV. DOCTORAL DISSERTATION			12
<ul style="list-style-type: none"> • Comprehensive Exam* • MATH816 Dissertation Research* 	P/F 12		
<i>Grand Total</i>			60