



School of Education  
**Integrated Mathematics**  
 Program Outline  
 For Students Entering 2016-2017 Academic Year

Name \_\_\_\_\_ ID# \_\_\_\_\_ Advisor \_\_\_\_\_

Course #	Course Title	Hours	Advising Notes
<b>Required Courses:</b>			
MTH 133	Algebraic Thinking Through Modeling	3	
MTH 141	Calculus I	4	
MTH 142	Calculus II	4	
MTH 243	Calculus III	4	
MTH 206	Mathematical Logic and Proof Methods	3	
MTH 201	History of Mathematics	1	
MTH 211	Linear Algebra	3	
MTH 262	Discrete Mathematics	3	
MTH 315	College Geometry	3	
MTH 411	Abstract Algebra	4	
MTH 405 <b>OR</b> MTH 135	Theory of Probability <b>OR</b> Introduction to Probability & Statistics	3-4	
<b>Required Courses in Computer Science:</b>			
CSC 210	Computer Science I: Programs and Applications	3	
<b>Choose ONE of the following courses:</b> <i>(This portion is satisfied if the course MTH 405 was selected above)</i>			
MTH 212	Differential Equations	3	
MTH 307	Introduction to Operations Research	3	
MTH 313	Applied Analysis	3	
MTH 405	Theory of Probability	4	
<b>Choose ONE of the following <u>TWO COURSE PAIRINGS</u>:</b>			
MTH 411 & MTH 302 <b>OR</b> MTH 311 & MTH 313 <b>OR</b> MTH 405 & MTH 406	Abstract Algebra & Number Theory <b>OR</b> Advanced Calculus & Applied Analysis <b>OR</b> Theory of Probability & Mathematical Statistics	4 3 4 3 4 3	
<b>Additional Teaching Field Requirements:</b> <i>Must meet all EDU requirements, including GPA and prerequisite coursework requirements before taking methods</i>			
EDU 357	Special Methods: Mathematics	4	Only offered in Fall semester

\*Transfer students must take a minimum of FOUR Mathematics courses at Baldwin Wallace University