



School of Education
Integrated Mathematics
 Program Outline
 For Students Entering 2018-2019 Academic Year

Name _____ ID# _____ Advisor _____

Course #	Course Title	Hours	Advising Notes
Required Courses:			
MTH 118	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 235 OR MTH 406	Probability & Statistics for Scientists & Engineers OR Mathematical Statistics	3	
Required Courses in Computer Science:			
CSC 210	Computer Science I: Programs and Applications	3	
Choose ONE of the following courses: <i>(This portion is satisfied if the course MTH 405 was selected above)</i>			
MTH 245	Differential Equations	3	
MTH 307	Introduction to Operations Research	3	
MTH 313	Applied Analysis	3	
MTH 405	Theory of Probability	4	
Choose ONE of the following <u>TWO COURSE PAIRINGS</u>:			
MTH 411 & MTH 302 OR MTH 313 & MTH 409 OR MTH 405 & MTH 406	Abstract Algebra & Number Theory OR Applied Analysis & Real Analysis OR Theory of Probability & Mathematical Statistics	4 3 3 4 4 3	
Additional Teaching Field Requirements:			
<i>Must meet all EDU requirements, including GPA and prerequisite coursework requirements before taking methods</i>			
EDU 357	Special Methods: Mathematics	3	Only offered in Fall semester

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