Baldwin Wallace University

School of Education
Integrated Mathematics
Program Outline
For Students Entering 2019-2020 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:			
MTH 245	Differential Equations	3	
MTH 307	Introduction to Operations Research	3	
MTH 313	Applied Analysis	3	
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:			
Must meet all EDU requirements, including GPA and prerequisite coursework requirements before taking methods			
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