

"W" Number: _____
 Student Name: _____
 Advisor Name: _____

Catalog: 2021-2022 University of Wyoming Catalog
 Program: Secondary Mathematics Education with Concurrent
 Major in Mathematics, B.A.

Secondary Mathematics Education with Concurrent Major in Mathematics, B.A.

Professional Education Requirements

Course Name	Credits:	Term Taken	Grade	Gen Ed	Recommended Term
Foundations					
EDST2450 - Foundations of Development and Learning	Credits: 3				
ITEC2360 - Teaching with Technology (3 credits required)	Credits: 1-3				
<i>Completion of EDST 2450 with a minimum grade of C or better is a prerequisite for the following courses:</i>					
EDEX2484 - Introduction to Special Education	Credits: 3				
EDST3480 - Diversity & the Politics of Schooling	Credits: 3				
<i>A minimum 2.75 UW cumulative GPA is required for registration in EDST 3100 and EDST 3101. A copy of your valid Wyoming Substitute Teaching Permit must be on file with the Teacher Preparation and Advising Office no later than the first day of class.</i>					
EDST3100 - Teacher as Practitioner	Credits: 3				
EDST3101 - Practicum 3	Credits: 2				
Assessment					
EDST3550 - Educational Assessment	Credits: 2				
Methods (Offered Fall Semester Only)					
EDSE3271 - Subject Matter Specific Methods I: Secondary Mathematics Education (3 credits required)	Credits: 3-6				
EDSE4271 - Subject Matter Specific Methods II: Secondary Mathematics Education (4 credits required)	Credits: 3-6				
Residency (Offered Spring Semester Only)					
EDSE4500 - Residency in Teaching (12 credits required)	Credits: 1-16				
EDSE4550 - Residency Applications and Synthesis	Credits: 3				

Major Content

Course Name	Credits:	Term Taken	Grade	Gen Ed	Recommended Term
MATH2200 - Calculus I	Credits: 4				
MATH2205 - Calculus II	Credits: 4				
MATH2210 - Calculus III	Credits: 4				
MATH2250 - Elementary Linear Algebra	Credits: 3				
MATH2310 - Applied Differential Equations I	Credits: 3				
MATH2800 - Mathematics Major Seminar	Credits: 2				
MATH3500 - Algebra I: Introduction to Rings and Proofs	Credits: 3				
MATH3340 - Introduction to Scientific Computing	Credits: 3				
MATH3205 - Analysis I: Elementary Real Analysis	Credits: 3				
MATH4000 - History of Mathematics	Credits: 3				
MATH4600 - Foundations of Geometry	Credits: 3				

Major Related Statistics Courses

Course Name	Credits:	Term Taken	Grade	Gen Ed	Recommended Term
STAT2000 - Statistics and the World	Credits: 3				
STAT2050 - Fundamentals of Statistics	Credits: 4				
STAT2070 - Introductory Statistics for the Social Sciences	Credits: 4				
STAT3050 - Statistical Methods	Credits: 3				

Depth & Sequence Courses

Course Name	Credits:	Term Taken	Grade	Gen Ed	Recommended Term
Pair 1					
MATH4200 - Analysis 2: Advanced Analysis	Credits: 3				
AND					
MATH4205 - Analysis 3: Undergraduate Topics in Analysis	Credits: 3				
OR					
Pair 2					
MATH4340 - Numerical Methods for Ordinary and Partial Differential Equations	Credits: 3				
AND					
MATH4440 - Introduction to Partial Differential Equations I	Credits: 3				
OR					
Pair 3					
MATH4510 - Algebra II: Introduction to Group Theory	Credits: 3				
AND					
MATH4520 - Algebra III: Topics in Abstract Algebra	Credits: 3				

Breadth Electives

Course Name	Credits:	Term Taken	Grade	Gen Ed	Recommended Term
Take TWO of the following courses:					
MATH3310 - Appl Diff Equations II	Credits: 3				
MATH3700 - Combinatorics	Credits: 3				
MATH4150 - Secondary School on Campus	Credits: 1-4				
MATH4230 - Introduction to Complex Analysis	Credits: 3				
MATH4255 - Mathematical Theory of Probability	Credits: 3				
MATH4265 - Introduction to the Theory of Statistics	Credits: 3				
MATH4300 - Introduction to Mathematical Modeling	Credits: 3				
MATH4440 - Introduction to Partial Differential Equations I	Credits: 3				
MATH4500 - Matrix Theory	Credits: 3				

Notes: