MATHEMATICAL PROBLEM SOLVING, MINOR-LIBERAL ARTS

Liberal Arts (Code 180-409)

A minimum of 24 credits from mathematics courses must be earned as described below.

Code	Title	Credits
Core Requirements:		
MATH 114	Calculus I	4
MATH 365	Patterns of Problem Solving	4
At least one of:		
MATH 314	Discrete Mathematics	
MATH 322	Abstract Algebra for Elementary Teachers	
Additional courses may	be chosen from:	
MATH 201	Number and Operations I	
MATH 202	Number and Operations II	
MATH 246	Elementary Statistics	
MATH 297	Developmental Tutoring Techniques (At most two credits count for minor)	
MATH 302	Algebraic Thinking	
MATH 303	Probability and Statistical Thinking	
MATH 304	Geometric Thinking	
MATH 307	Mathematics and Music	
MATH 330	Modern Geometry	
MATH 341	Classical Number Theory	
MATH 441	Linear Regression Analysis, with Time Series	
MATH 451	Teaching Mathematics with Technology	
MATH 462	History of Mathematics	

Or other mathematics courses numbered above 305

Note: Students cannot pursue a major in Mathematics and this minor to meet graduation requirements for completing a first and second degree program.

Program Learning Outcome

Students completing this program will be expected to meet the following learning outcomes:

- Make sense of problems and persevere in solving them.
- Construct viable arguments and critique the reasoning of others utilizing precise language and multiple representations.
- Use appropriate tools strategically.
- Look for and make use of structure.