DEGREE PROGRAM & LEVEL: Mathematics BA																						
CURRICULUM MAP MATH AND STATISTICS BS in Ed.	747HF																					
Course Cluster (Y) Learning Outcome														Y	Y		Y	Y	Y	Y	Y	•
Students will develop and demonstrate the ability to reason mathematically by constructing mathematical proofs and recognizing and analyzing accurate numerical data in appropriate core courses. Students will learn that truth in mathematics is verified by careful argument, and will demonstrate the ability to make conjectures and form hypotheses, test the accuracy of their work, and effectively solve problems.	А	А	к	к	А	А	к	Α	Α	s	s	s	S	s	s	S	s	s	s	s	A	K = Knowledge / Comprehension A = Application / Analysis S = Synthesis / Evaluation
Students will learn to identify fundamental concepts of mathematics as applied to science and other areas of mathematics, and to interconnect the roles of pure and applied mathematics.	А	А	к	к	А	s	к	s	А	s	s	s	s	s	s	s	s	s	s	s	s	
Students will demonstrate that they can communicate mathematical ideas effectively by completing a senior capstone project involving an investigative or pedagogically based mathematical project and presenting their findings and results in both a written format and as an oral presentation to faculty and other students.		к			к			к	к	к	к	к	к	s	S	к	Α	А	А	А	к	
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