

Department: MATH**Program: BA in MATH, BS in MATH, and BS in MATH with Teaching Certification**

Skill Set	Professional Application	Delivery of Skill Set Courses, extracurricular activities, etc.in which the skill set is introduced (I), reinforced (R), or mastered (M)).
Analytical and Logical thinking/Reasoning	Helps people process facts and pursue reasonable solutions instead of acting on their emotions.	MATH 3325 (WI) – Introduction to Mathematical Proofs (R), MATH 3370 Discrete Math (R), MATH 3360 Modern Geometry (M), MATH 4340 Modern Algebra (M), MATH 4351 Mathematical Theory of Games (M)
Problem Solving Skills	Ability to identify a problem, review related information, develop and evaluate options, and implement a solution.	MATH 2413 Calculus I (I), MATH 2414 Calculus II (R), MATH 3320 Differential Equations (M), MATH 3415 Calculus III (M), Real Variables (M), MATH 4351 Mathematical Theory of Games (M)
Computer/Calculator proficiency (e.g. Maple and Matlab)	Use software to run computations and analyze data	MATH 3371 Problem Solving with Computers (M)
Mathematical writing using Latex, Word, etc.	Ability to compose and communicate mathematical ideas in written form.	MATH 3325 (WI) – Introduction to Mathematical Proofs (R)
Data collection, analysis & interpretation	To discover relevant information, draw or propose conclusions and support decision-making to solve problems.	STAT 1342 Elementary Statistics (I), STAT 4301 Biostatistics (M), STAT 4303 Statistical Methods (M)
Accuracy/ Detail-oriented	Accuracy or Being Exact in jobs where math is used is considered to be very important.	STAT 1342 Elementary Statistics (I), MATH 4341 Linear Algebra and Matrix Theory (M)