SELECTING AN APPROPRIATE COLLEGE LEVEL MATH COURSE

	Course Description:	Designed For:
MATH& 107 Math in Society	**Functions as a terminal course in mathematics for students whose major does not require further mathematics.** The core topics of this course are logic, probability, and statistics. Additional topics will be selected by the instructor. These topics could include geometry, number systems, linear programming, set theory, number theory, functions, graph theory, topology, etc.	Students needing a college math course to satisfy the DTA, but are not planning to take calculus. "Math for Poets" Note: If a student does not complete their DTA, this course will still satisfy WSU's math proficiency requirement.
MATH 125 Applied College Algebra	Covers equations and inequalities; systems of equations and inequalities; graphing linear, quadratic, polynomial, rational, exponential, and logarithmic functions; **matrix operations; linear programming and simplex method; and mathematics of finance.**	Students planning on majoring in business who need to take business calculus. Note: Fulfills the pre-req for MATH 148 – Business Calculus Required by some 4-year business programs
MATH& 141 Pre-Calculus I	Reviews basic algebraic operations, equations, inequalities, and operations on functions. Analyzes and graphs polynomial, rational, exponential, and logarithmic functions as well as the conic sections. **This is the first course in a two course sequence leading to calculus.**	Students on the calculus path. Appropriate for majors in … (STEM) Science, Technology, Engineering, Math, Business, etc. Note: If a student does not complete their DTA, this course will not satisfy WSU's math proficiency requirement.
MATH& 131 Math for Elementary Teachers	Strengthens students understanding of problem solving, operations on whole numbers, decimals and fractions, and number theory. **This is the first class in a two-part series designed to meet the WSU CTEP requirements for future teachers of grades K-8.**	Students planning on majoring in elementary education. Note: MATH& 131 does not satisfy the DTA requirements by itself. Students must also take MATH& 132 to meet the quantitative skill requirement.
MATH 210 Elements of Statistics	**Introduces the student to descriptive statistics, probability, and inferential statistical methods.** Topics include probability distributions, sampling techniques, measures of central tendency and dispersion, correlation, regression, hypothesis testing, and statistical inference.	Students planning to major in areas that require analysis and interpretation of data. Appropriate for majors in … Nursing, Social Science, Business, etc.