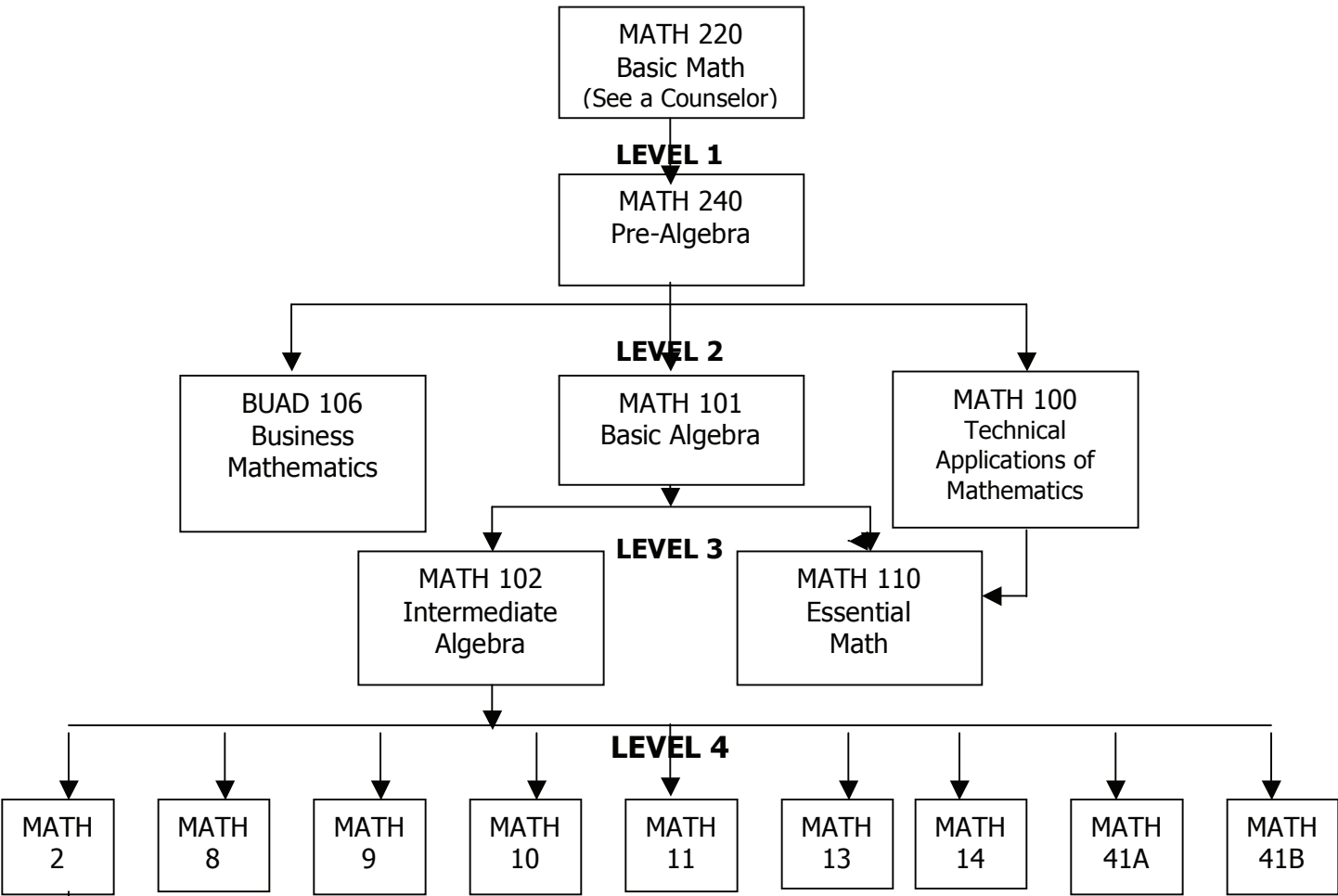


MATH COURSES FLOW CHART



MATH 2 – Pre-Calculus - Content: linear, polynomial, rational, logarithmic, exponential, and trigonometric functions, conic sections, matrices, parametric equations and their applications. Graphing calculators.

MATH 8 – Finite Math – Content: matrix operations, linear programming, probability, Markov Chains and game theory. Prep for upper division Business Administration quantitative measurement courses.

MATH 9 – Survey of Calculus – Content: analytical geometry, differential and integral calculus for students whose majors require a short course in calculus without the depth of MATH 3A.

MATH 10 – Plane Trigonometry – Content: angles, units of measure, trigonometric functions, solutions of right and oblique triangles, identities, graphs and vectors. Numeric methods and problem solving using graphic calculator.

MATH 11 – Patterns of Mathematical Thought – Content: algebraic techniques, modeling techniques and technology-based techniques for solving equations involving these functions and for investigating the graphs of these functions. Intro course in mathematical sciences.

MATH 13 – College Algebra – Content: Intro to functions and function algebra. Focus on linear, polynomial, rational, logarithmic and exponential functions.

Math 14 – Introduction to Statistics – Content: measure of central tendency and dispersion, regression and correlation, probability, sampling theory and confidence intervals and hypothesis testing using normal, t, F and chi-square distributions.

MATH 41A – Concepts of Elementary Math – Content: development of the real number system by intuitive and semi-rigorous methods, discussion of sets, axiomatics, systems of numeration, arithmetic processes.

MATH 41B – Concepts of Elementary Math – Content: geometry, probability and statistics. MATH 41A and 41B are designed for students who intend to become elementary school teachers

MATH 3A – Calculus 3A – Content: 1st semester of a 4 semester sequence covering differentiation of single variable functions, application of the derivative, intro to integration and intro to differential equations