

## **Learning Support Math Course Descriptions**

**MAT 081 – FOUNDATIONS OF MATH I (4)** This course is designed to prepare students for college level mathematics. Topics will include: real-number concepts, linear equations in one variable, problem solving involving linear, integral exponents, graphing linear equations, rational expressions, integral and rational exponents, solving rational and radical equations, problem solving involving linear equations, rational equations, and systems of equations in two variables, and writing equations of lines. (Prerequisite: Placement by examination. Hours will not count toward honors or graduation.)

**MAT 091 - FOUNDATIONS OF MATH II (4)** This course is designed to prepare students for college level mathematics. Topics will include: problem solving involving linear or factorable quadratic equations as models, factoring, integral exponents, graphing linear and quadratic equations in two variables, rational expressions, function notation, integral and rational exponents, solving quadratic equations, solving rational and radical equations, problem solving involving linear equations, rational equations, and quadratic equation. (Prerequisite: MAT 081 or placement by examination. Hours will not count toward honors or graduation.)

**MAT 099 -ACCELERATED FOUNDATIONS OF MATH II (2)** This course is designed to prepare students for college level mathematics and is taught concurrently with MAT 111. Topics will include: problem solving involving linear or factorable quadratic equations as models, factoring, integral exponents, graphing linear and quadratic equations in two variables, rational expressions, function notation, integral and rational exponents, solving quadratic equations, solving rational and radical equations, problem solving involving linear equations, rational equations, and quadratic equations. (Prerequisite: Placement by examination. Hours will not count toward honors or graduation.)