

## Math 022

### Course Description

College Algebra II represents a significant opportunity for students to discover the beauty and practical power of mathematics. Concepts and skills are taught while at the same time a sense of algebra's utility in the real world is imparted. This course provides in-depth coverage of college algebra topics that students continuing in mathematics will require. This is the kind of mathematics that students will use the rest of their lives in many fields.

MATH 022 is a preparatory course intended to provide mathematical background in algebra with a function/graph emphasis required in calculus courses. Linear, polynomial, rational, exponential and logarithmic functions and their graphs provide necessary models for mathematical applications.

Students entering MATH 22 should be competent in operations (adding, subtracting, multiplying and dividing) with rational (fractional) expressions. Students should be able to solve linear and absolute value inequalities and be able to simplify rational expressions with exponents.

Students who understand the concepts of MATH 022 will have the basic algebra skills sufficient for taking Business Calculus, MATH 110. Students studying engineering or science may enroll in MATH 022 and MATH 026 concurrently as preparation for Calculus, MATH 140. Alternately, students may take MATH 041 which covers the content of both MATH 022 and MATH 026 in a single course.

Class size, frequency of offering, and evaluation methods will vary by location and instructor. For these details check the specific course syllabus.