

Algebra 1 Part 1



Student Testimonials

[Click here to see why students have selected to take this course.](#)

Prerequisite Essential Concepts

- Order of Operations
- Integer Operations
- Fractions
- Decimals
- Percents

Program of Studies Key Concepts

- Expressions & Operations
 - Writing Expressions
 - Integer Operations
 - Rational Number Operations
 - Matrix Multiplication
- Special Expressions
 - Powers and Exponents
 - Scientific Notation
 - Square Roots
 - Pythagorean Theorem
- Equations & Inequalities
 - Multi-Step Equations
 - Graphical Representation
 - Percent Equations
 - Multi-Step Inequalities
- Relations & Functions
- Linear Functions
 - Coordinate Plane
 - Relations & Functions
 - Slope & Intercept
 - Scatter Plots
 - Parallel & Perpendicular
- Data Analysis
 - Central Tendency
 - Stem-and-Leaf Plot
 - Box-and-Whisker
- Polynomials
 - Addition
 - Subtraction
 - Multiplication
 - Division

Homework Expectations

- 40 minutes per 90 minute class

Basic Supplies

- TI-83 or TI-84 Calculator
- Pencils, Erasers, Paper
- Ruler, Graph Paper

Prerequisite Courses

- Math 8