

COLLEGE PREPARATION, MATH SKILLS 2

Certificate of Completion

Program Code: 3P38528

This certificate program will prepare students to improve their foundational level mathematical skills in order to ensure a successful transition to credit-bearing math courses. The program offers an accelerated course ABED 120 College Prep, Basic Math & Pre-Algebra which combines fundamental elements of Basic Math and Pre-Algebra to reinforce the learning objectives such as performing all general math, algebraic and geometric operations at a proficient level. In addition, the program introduces students to the Elementary Algebra concepts and provides students with strong knowledge of linear equations and inequalities, quadratic equations, rational equations, and application problems at a proficient level to ensure student readiness for credit-bearing courses.

Code	Title	Hours
Required Core Courses (144 Hours)		
ABED 116	College Prep Elementary Algebra	72
ABED 120	College Prep Basic Math & Pre-Algebra (Accelerated)	72
Total Hours		144

Plan of Study

First Year

First Semester	Hours	Second Semester	Hours
ABED 116		72 ABED 120	72
		72	72

Total Hours 144

List of Courses

ABED 116 72 Hours

College Prep Elementary Algebra

Advisory: Knowledge of basic math skills and pre-algebra and order of operations to solve problems involving integers, fractions, and decimals.

This noncredit course is an introduction to algebra. Topics include: basic operations of integers, fractions, mixed numbers and decimals, linear equations and inequalities, simplifying and evaluating expressions, solutions of linear equations, linear inequalities, systems of linear equations, graphing linear equations, exponents and polynomials, factoring polynomials, rational expressions, roots and radicals, and quadratic equations (*Apportionment*)

ABED 120

50-150 Hours

College Prep Basic Math & Pre-Algebra (Accelerated)

Advisory: Basic computer navigation skills.

An accelerated course combining ABED 110 College Prep, Basic Math and ABED 115 College Prep, Pre-Algebra. This noncredit accelerated course is a review of basic math skills and an introduction to basic skills of algebra. Topics include: addition, subtraction, multiplication, and division of whole numbers, fractions, decimals, ratios, percents, integers, exponents, measurements, proportions, algebraic expressions, introduction to polynomials, polynomials and properties of exponents, factoring polynomials, linear equations and linear inequalities, graphing linear equations, and equation solving and informal geometry. (Also known as Math Co-Lab. Open to college students ONLY) (*Apportionment*)