

# ALGEBRAIC FOUNDATIONS - CERTIFICATE OF COMPETENCY

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Top Code:

1701.00

The Algebraic Foundations certificate program prepares students for transfer level mathematics. Students review arithmetic and algebraic content, as well as gain study skills and metacognitive strategies to be successful in transfer level math. The first course begins with integers, fractions, and decimals and the later course topics include equations, polynomials, and rational expressions. Students will work with an instructor and other students in a collaborative environment.

A Certificate of Competency is awarded upon completion of at least two (2) courses.

## Program Outcomes

- Promote mastery of fundamental arithmetic and algebraic operations needed to be successful in transfer level mathematics.
- Examine and discuss how arithmetic and early algebraic techniques will be applied in future math courses.
- Apply learning resources to address study-skills gaps, promote student self-understanding, and to improve math performance.

## Required Courses

Code	Title	Units
MATN 1001	INTEGERS, FRACTIONS, AND DECIMALS	
MATN 1002	ALGEBRAIC EXPRESSIONS AND EQUATIONS	
MATN 1003	POLYNOMIALS AND QUADRATICS	
MATN 1004	RATIONAL EXPRESSIONS AND COMPLEX NUMBERS	