Alexandria Technical and Community College

MATH 0421: Bridge to College Algebra

A. COURSE DESCRIPTION

Credits: 1
Lecture Hours/Week: 1
Lab Hours/Week: 0
OJT Hours/Week: *.*

Prerequisites:
This course requires any of these eight prerequisites
  - MATH 0415 - Bridge to Math Reasoning (Minimum grade: 2.0 GPA Equivalent and Number of Years Valid: 5)
  - MATH 0429 - Beginning Algebra (Minimum grade: 2.0 GPA Equivalent and Number of Years Valid: 5)
  - ATCC Algebra Bridge
  - ATCC Fund of Physics
  - ATCC Mathematical Reasoning
  - Algebra College Level
  - ATCC Calculus-Level Placement
  - A score of 2 on test Intermediate Algebra

Corequisites: MATH 1421

MnTC Goals: None

This course will be taken concurrently with College Algebra for learners who want, or need, preparation in algebraic techniques that will build skills which are essential for their success in a college-level math course. The main goal of the course is to provide training and practice in algebraic techniques such as working with rational expressions, factoring, graphing equations, and solving quadratic equations. The learner will receive a "P" (Pass) grade if the following course objectives are met.

B. COURSE EFFECTIVE DATES: 03/16/2022 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Factor trinomials
2. Simplify radical expressions by adding, subtracting, multiplying, and dividing
3. Simplify and solve complex rational expressions
4. Identify the domain and range of functions

D. LEARNING OUTCOMES (General)

1. The learner will utilize various methods to solve quadratic functions.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted