



## COURSE SYLLABUS

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**COURSE: MAT 071 PRECALCULUS ALGEBRA SUPPORT**

**HOURS:** Lecture: 0 Lab/Shop: 4 Work Exp/Clinical: 0 Credits: 2

### COURSE DESCRIPTION:

This course provides an opportunity to customize foundational math content specific to Pre-calculus Algebra. Topics include developing the academic habits, learning strategies, social skills, and growth mindset necessary to be successful in mathematics. Upon completion, students should be able to build a stronger foundation for success in Pre-calculus Algebra by obtaining skills through a variety of instructional strategies with emphasis placed on the most essential prerequisite knowledge.

**PREREQUISITE(S):** DMA 010-050 or MAT 003 Tier 2 or BSP 4003 Tier 2 or MAT 043 or MAT 143 or MAT 152

**COREQUISITE(S):**

**TEXTBOOK(S) & OTHER SPECIAL REQUIREMENTS:**

Open Educational Resources (OER) are listed in the course Moodle.

### STUDENT LEARNING OUTCOMES:

Upon successful completion of this course, the student will be able to:

1. Review simplifying algebraic expressions.
2. Review solving linear equations and Inequalities.
3. Review linear graphs.
4. Understand rules of exponents.
5. Factor polynomials of one variable.
6. Simplify rational expressions.
7. Simplify and evaluate roots and radicals.
8. Solve quadratic equations.

**\*\*\*Please refer to the online version of the Richmond Community College Program & Course Catalog and the Student Handbook for current academic and general information.**