

**J. Sargeant Reynolds Community College  
Course Content Summary**

**Course Prefix and Number:** MDE 60      **Credits:** 3

**Course Title:** Intermediate Algebra

**Course Description:**

Covers topics in algebra. Prepares students for enrollment into MTH 161 with co-requisite.  
Lecture 3 hours.

**General Course Purpose:**

Prepares students for enrollment into MTH 161 with co-requisite

**Course Prerequisites and Co-requisites:**

None

**Student Learning Outcomes:**

Upon completing the course, the student will be able to

- Demonstrate comprehension of the major topics; and
- Apply learned concepts and success skills toward continued progress in MTH 161 with co-requisite.

**Major Topics to Be Included:**

- Properties of exponents
- Polynomials
- Factoring
- Solving quadratics and Pythagorean theorem
- Complex numbers
- Graphing (lines and quadratics)
- Linear equations and inequalities
- Linear systems
- Functions
- Rational expressions and equations
- Radical expressions and equations

**Effective Date/Updated:** November 15, 2019