

## **MATH 55 INTERMEDIATE ALGEBRA for BSTEM<sup>1</sup> - 5 UNITS and NMAT 255\* - (TUITION-FREE)**

**This course can also be taken tuition-free by registering for NMAT 255.** Intermediate Algebra concepts, in the service of Business, Science, Technology, Engineering and Math fields (BSTEM<sup>1</sup>), will be explored in this course including: an introduction to functions; linear and absolute value functions; absolute value equations and inequalities; compound linear inequalities; rational expressions, functions and equations; radical expressions, functions and equations; rational exponents; complex numbers; quadratic functions and equations; inverse of a function; exponential and logarithmic functions; properties of logarithms; exponential and logarithmic equations; conic sections; and systems of equations and inequalities. Multiple representations, applications and modeling with functions are emphasized throughout. Prerequisite: Math 110 or 110B (completed with a grade of "C" or higher) or an appropriate skill level demonstrated through the Mathematics assessment process. May not receive credit if Mathematics 55B or 55Y have been completed. 5 lecture hours, 1 laboratory hour. GE: LPC AA/AS

**Advising Notes:** This Intermediate Algebra level course satisfies an Associate Degree's math requirement. This Intermediate Algebra level course is specifically designed to prepare students with the rigorous algebraic foundation required by economics, science, technology, engineering and math fields require.

**Beginning Fall 2019, students with a goal of *transfer* are encouraged to enroll directly into a transfer-level course. Students should consider their academic goal, past achievements, and experiences. This course satisfies an Associate's Degree and provides essential intermediate algebra content to students interested in Business, Science, Technology, Engineering and Math fields.**

**Students are also strongly encouraged to take advantage of the many resources available to support them at LPC.**

- **NMAT 263 Math Jam for Intermediate Algebra** Bootcamp Course is offered 1-week *prior* to the start of the semester. *Award-winning & tuition-free!* Offered the week before the Fall and Spring semesters. Proven to increase student success and retention rates.
- **NMAT 255C** (tuition-free) or **MATH 55C** (1 lab unit) **Concurrent Support for Intermediate Algebra** support *during* the semester. *Aligned with your math course* and designed with innovative strategies to provide math and learning support while taking your math class.

<sup>1</sup>BSTEM is Business, Science, Technology, Engineering, and Mathematics

\*NMAT courses are tuition-free, repeatable, noncredit mathematics courses.

NMAT 250/255 students may petition to receive credit by examination.