

# NONCREDIT MATHEMATICS

## COLLEGE MATHEMATICS PATHWAY CERTIFICATE OF COMPETENCY (NCY)

### About the Program

The Math Course Pathway to an Associate's Degree Program is a noncredit pathway for students to develop the mathematical skills necessary at Las Positas to earn an Associate's (AA/AS). Embedded are essential study and life skills to help each student succeed in credit math courses and beyond. Students can then choose a capstone noncredit intermediate algebra level course based on their field of interest. Noncredit Intermediate Algebra for SLAM (Statistics or Liberal Arts Math) or Intermediate Algebra for BSTEM (Business, Science, Technology, Engineering or Mathematics) continues to offer students rigorous, holistic supports during the semester. Successful students may petition to get credit for the intermediate algebra course of their choice, and hence satisfy the math requirement for an Associate's Degree. Research at our college and similar community colleges have shown that supports such as these have a huge impact on student retention and success rates.

### Career Opportunities

Students who complete this pathway satisfy the math requirement for an Associate's Degree. A large number of career fields require an Associate's Degree and mathematics is the greatest obstacle for many students trying to earn an AA or AS. Completing this certificate therefore opens up many career opportunities for the student.

### Program Outcomes

Upon completion of this program, students are able to:

- Use symbolic, graphical, numerical, and written representations of mathematical ideas.
- Learn mathematics through modeling real-world situations.
- Read, write, listen to, and speak mathematics with understanding.
- Use appropriate technology to enhance their mathematical thinking and understanding, solve mathematical problems, and judge the reasonableness of their results.
- Use mathematical reasoning and, when appropriate, a general problem solving process to solve problems.

### Learning and Career Pathway Maps

[View Program Pathway Map](#)

### Required Core: Select One (81 Hours)

Prefix #	Title	Hours
NMAT 256	Geometry	81

### Capstone: (90 Hours)

Prefix #	Title	Hours
NMAT 255	Intermediate Algebra	90

**Total Hours: 162-243**