

# NONCREDIT MATHEMATICS

## FOUNDATIONAL MATHEMATICS PATHWAY CERTIFICATE OF COMPETENCY (NY)

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### About the Program

The Basic Skills Math Program is a noncredit pathway for students to develop the mathematical skills necessary at Las Positas to enroll in an intermediate algebra level credit course required for an Associate's (AA/AS). Embedded are essential study and life skills to help each student succeed in credit math courses and beyond. Successful students will have the necessary mathematical understanding to enroll in an intermediate algebra level course, which is 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 are eligible to enroll in intermediate algebra and hence 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 the Certificate of Competency in College Mathematics Pathway, students are able to demonstrate the ability to use symbolic, graphical, numerical, and written representations of mathematical ideas.
- Upon completion of the Certificate of Competency in College Mathematics Pathway, students are able to learn mathematics through modeling real-world situations.
- Upon completion of the Certificate of Competency in College Mathematics Pathway, students are able to read, write, listen to, and speak mathematics with understanding.
- Upon completion of the Certificate of Competency in College Mathematics Pathway, students are able to use appropriate technology to enhance their mathematical thinking and understanding, solve mathematical problems, and judge the reasonableness of their results.
- Upon completion of the Certificate of Competency in College Mathematics Pathway, students are able to use mathematical reasoning and, when appropriate, a general problem solving process to solve problems.

### Required Core: (180 Hours)

Prefix #	Title	Hours
NMAT 207	Pre-Algebra	108
NMAT 210	Elementary Algebra	72

**Total Hours: 180**