DEGREES & CERTIFICATES

COLLEGE MATHEMATICS PATHWAY CERTIFICATE OF COMPETENCY (NY)

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 than 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 the Certificate of Competency in College Mathematics Pathway, students are able 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: Select One or Two (72-153 Hours)

Course Number	Course Title	Hours
NMAT 210	Elementary Algebra	72
NMAT 256	Geometry	81

Capstone: (90 Hours)

Course Number	Course Title	Hours
NMAT 255	Intermediate Algebra	90

Total Hours: 162-243