# CERRITOS COLLEGE
## MATHEMATICS (AS-T)
### ASSOCIATE IN SCIENCE DEGREE IN MATHEMATICS FOR TRANSFER

By successfully completing the courses for an Associate in Science in Mathematics for Transfer degree at Cerritos College, students will gain a practical and theoretical understanding for future studies involving mathematics. The role of mathematics is vital and growing, providing methods for finding solutions to problems in a wide range of sciences: social, biological, physical, behavioral, and managerial. More generally, mathematics is necessary for understanding and expressing ideas in science, engineering, and human affairs.

**REQUIRED COURSES (13 UNITS):**

| Course Number | Course Name | UNITS |
|---|---|---|
| MATH 170 | Analytic Geometry and Calculus I | 4 |
| MATH 190 | Analytic Geometry and Calculus II | 4 |
| MATH 225 | Calculus III | 5 |

**LIST A: Select one (5 units)**

| Course Number | Course Name | UNITS |
|---|---|---|
| MATH 250 | Linear Algebra and Differential Equations | 5 |

**LIST B: Select one course (3.5 - 4.5 units)**

| Course Number | Course Name | UNITS |
|---|---|---|
| PHYS 201 | Engineering Physics | 4 |
| CIS 180 | Programming in C/C++ | 3.5 |
| STAT C1000 | Introduction to Statistics | 4 |
| *or* MATH 112S | Enhanced Elementary Statistics | (4.5) |
| | **Total Units:** | **21.5-22.5** |

## ASSOCIATE OF SCIENCE IN MATHEMATICS FOR TRANSFER REQUIREMENTS:

1. Completion of 60 CSU-transferable semester units.
2. Achievement of a minimum GPA of at least 2.0 in all CSU-transferable coursework. (Some majors may require a higher GPA. Students should consult with a counselor for more information.)
3. Completion of the major with a grade of "C" or better in each course or a "P" if the course was taken on a Pass/No Pass basis and the "P" is equal to a "C" or better.
4. Completion of the California General Education Transfer Curriculum (Cal-GETC).

Note: The CSU GE (California State University General Education-Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.