

CERRITOS COLLEGE MATHEMATICS (AS-T)

ASSOCIATE IN ARTS 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. This degree is for seamless transfer to CSU.

REQUIRED CORE (13 UNITS)

		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: (5.0 units)

MATH 250	Linear Algebra and Differential Equations	5
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LIST B: Select one: – (3.5 – 4.5 UNITS)

PHYS 201	Engineering Physics	4
CIS 180	Programming in C/C++	3.5
MATH 112	Elementary Statistics	4
<i>or</i> MATH 112S	Enhanced Elementary Statistics	(4.5)

Total Units for the Major 21.5 -22.5

ASSOCIATE IN SCIENCE IN MATHEMATICS FOR TRANSFER REQUIREMENT

- (1) Completion of 60 semester-units or 90 quarter-units of degree-applicable courses,
- (2) Minimum overall grade point average of 2.0,
- (3) Minimum grade of “C” (or “P”) for each course in the major, and
- (4) Completion of IGETC and/or CSU GE-Breadth