

## Los Angeles Mission College 21-22 Mathematics Associate Degree for Transfer (ADT)

Upon successful completion of the Associate in Science in Mathematics for transfer, the student will demonstrate an understanding of Calculus with Analytic Geometry of single and several variables, Linear Algebra, Ordinary Differential Equations, as well as Programming in C or C++ languages. This coursework will prepare students to transfer to California State University system and major in mathematics, engineering or related fields.

Students who complete this degree will be guaranteed admission with junior status to the California State University system, although not a particular campus or major.

Students can use the ADT Search by CSU Campus to view which CSU campuses accept ADT degrees in their major: <http://www.calstate.edu/transfer/adt-search/search.shtml>

Students receiving this transfer degree must meet the following requirements:

- (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including completion of:
  - (A) The Intersegmental General Education Transfer Curriculum (IGETC) **OR** the California State University General Education (CSUGE)
  - (B) A minimum of 18 semester units in a major or area of emphasis, as listed below.
- (2) Obtain of a minimum cumulative grade point average of 2.0
- (3) Obtain a grade of “C” or better in each course required for the major or a grade of “P” if the major course is taken on a “P/NP” basis.

		UNITS	GRADE	IP	NEED	CSUGE/IGETC General Education Requirements	Grade	IP	Need
<b>Required Core Courses: (15 units)</b>						Written Communication			
MATH 265	Calculus I	5				Critical Thinking			
MATH 266	Calculus II	5				Transferable Math			
MATH 267	Calculus III	5				Oral Communication (CSUGE Only)			
<b>List A: Select ONE (1) of the following courses: (3 units)</b>						Art			
MATH 270	Linear Algebra	3				Humanities			
MATH 275	Differential Equations	3				Art/Humanities			
<b>List B: Select ONE (1) of the following courses: (3-4 units)</b>						Social/Behavioral Sciences			
<b>List A course not already used</b>						Social Behavioral Sciences			
CS 114 (formerly CO SCI 439)	Programming in C	3				Social Behavioral Sciences			
CS 116 (formerly CO SCI 440)	Programming in C++	3				Social Behavioral Sciences			
MATH 227/227A+B/227S	Statistics	4				Physical Science			
<b>Total Units for the major: 21-22</b>						Biological Science			
						Physical/Biological Science Lab			
						Life Long Learning (CSUGE Only)			
						Ethnic Studies (CSUGE Only)			
						Language Other Than English (IGETC Only)			