

**Los Angeles Mission College 19-20
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) The major requirements 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.

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