

Los Angeles Mission College 19-20

Computer Science Associate Degree for Transfer (ADT)

The Associate in Science in Computer Science for Transfer is designed to prepare the student for transfer to the CSU system of higher education and is specifically intended to satisfy lower-division requirements for a baccalaureate degree in Computer Science. Upon successful completion, the student will demonstrate an understanding of programming logic, computer architecture and organization, data and discrete structures, as well as object-oriented programming. This coursework will prepare students for transfer within the computer science major or a similar major within the California State University system. Students interested in transferring with and/or completing an Associate in Science in Computer Science for Transfer should meet with a counselor to determine the coursework necessary to complete the requirements for general education and for the major.

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) for STEM
 - (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.

Required Core Courses: (34 units)

		UNITS	GRADE	IP	NEED
CO SCI 416	Beginning Computer Architecture and Organization	3			
CO SCI 436	Introduction to Data Structures	3			
CO SCI 440 Or CO SCI 452	Programming in C++ Programming in Java	3 3			
MATH 272	Methods of Discrete Mathematics	5			
MATH 265	Calculus with Analytical Geometry I	5			
MATH 266	Calculus with Analytical Geometry II	5			
PHYSICS 37	Physics for Engineers and Scientists I	5			
PHYSICS 38	Physics for Engineers and Scientists II	5			

Total Units for the major: 34

***Note: This degree allows for completion of the IGETC for STEM or the CSUGE for STEM which allows for completion of 6 units to be completed AFTER transfer to a CSU: 3 units from Area CSUGE Area C/IGETC Area 3: Arts & Humanities and 3 units from CSUGE Area D/IGETC Area 4: Social and Behavioral Science.**

CSUGE/IGETC for STEM General Education Requirements	Grade	IP	Need
Written Communication			
Critical Thinking			
Transferable Math			
Oral Comm (CSU Admissions Requirement)			
*Art			
*Humanities			
*Art/Humanities			
*Social/Behavioral Sciences			
*Social Behavioral Sciences			
*Social Behavioral Sciences			
Physical Science			
Biological Science			
Physical/Biological Science Lab			
Life Long Learning (CSUGE Only)			
Language Other Than English (IGETC Only)			