

LOS MEDANOS COLLEGE NARRATIVE FOR THE ASSOCIATE OF SCIENCE IN COMPUTER SCIENCE FOR TRANSFER DEGREE

Criteria A. Appropriateness to Mission

1. Statement of Program Goals and Objectives

The objective of the Associate of Science in Computer Science for Transfer Degree is to facilitate the transfer of students from Los Medanos College to the CSUs to pursue an undergraduate degree in Computer Science. The Associate of Science in Computer Science for Transfer Degree is designed to provide educational experiences at the lower division level with depth, breadth and rigor to ensure that transfer students are well prepared to succeed in upper division work in Computer Science. This preparation is comparable to lower division work completed in the first two years in the California State University. The specific courses that comprise our Associate of Science in Computer Science for Transfer Degree were selected to meet the Transfer Model Curriculum and the lower division requirements for transfer to the California State University System baccalaureate degree programs in Computer Science.

2. Catalog Description

The Associate of Science in Computer Science for Transfer Degree is designed for students desiring advanced degrees in Computer Science. The Los Medanos College Computer Science courses meet the lower division transfer requirements for Computer Science. The curriculum includes the first and second year requirements for transfer to a four-year institution. A baccalaureate degree is the recommended preparation for those considering professional careers in Computer Science.

The Program Student Learning Outcomes for the Associate of Science in Computer Science for Transfer Degree:

1. Be academically prepared to transfer to a Computer Science program at a four-year university.
2. Demonstrate the ability to solve a variety of problems using computational skills necessary for careers in computer science and other related fields.

To achieve the Associate in Science in Computer Science for Transfer Degree, students must (1) complete 60 semester units or 90 quarter units of degree-applicable courses (2) fulfill the Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements (3) obtain a minimum overall grade point average of 2.0 (4) earn a minimum grade of “C” (or “P”) grade or better in all course required for the major area of emphasis.

Program Requirements:

Required Core:

COMSC-122	Programing Concepts & Methodologies I	3
COMSC-132	Programing Concepts & Methodologies II	3
COMSC-142	Computer Architecture and Organization	3
MATH-160	Discrete Math	4
MATH-210	Calculus and Analytic Geometry I	4
MATH -220	Calculus and Analytic Geometry II	4
PHYS-040	Physics for Scientists and Engineers I	4

Complete the following number of credits: 5

BIOSC-020	Principles of Biology: Cell and Molecular	5
BIOSC-021	Principles of Biology: Organismal	5

Total Units	30
Total Units that may be double counted:	9/10
CSUGE/IGETC units	39/37
Electives	0/3
Total Degree Units	60