

Peralta Community College District

Computer Information Science

Overview

College	Laney College
Originator	Jose Flores
Award Type	A.S. Degree

Codes and Dates

State Approval Date	7/04/2016
Curriculum Committee Approval Date	5/13/2013
Board of Trustees Date	12/10/2013
Current Effective Date	8/22/2016
Program Control Number	35121
Top Code	0702.00 - Information Technology*

Description

The major in Computer Information Science prepares students for careers in the Information Technology field. The program provides the analytical, methodological, and language skills required within the computer industry, and prepares students for transfer to four-year colleges for further study in Computer Information Systems, as well as related areas such as Computer Science. Please consult with a counselor for more information regarding transferring.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

1. Students who receive a degree in Computer Information Systems will be able to:
 1. solve problems and conduct experiments in basic computer science.
 2. solve mathematical problems using calculus, linear algebra, discrete math and differential equations.
 3. create and program algorithmic solutions to solve problems.
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Degree Requirements:

First Semester	Credit Hours: (10 Required)
CIS 005 Introduction to Computer Science	5
MATH 003A Calculus I	5
Second Semester	Credit Hours: (10 Required)
CIS 061 Structure and Interpretation of Computer Programs	5
MATH 003B Calculus II	5
Third Semester	Credit Hours: (7 Required)
CIS 036A or Java Programming Language I	4
CIS 025 Object Oriented Programming Using C++	4
MATH 003E Linear Algebra	3
Fourth Semester	Credit Hours: (7 - 8 Required)

CIS 025B or	C++ Programming Language II	4
CIS 036B	Java Programming Language II	4
MATH 003F or	Differential Equations	4
MATH 011	Discrete Mathematics	3

General Education and/or elective courses**Credit Hours: (26 Required)**

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Total: 60.00 - 61.00

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