CALIFORNIA COMMUNITY COLLEGES
LAOC|RC
los angeles | orange county | regional consortia

www.laocrc.org
714.628.5041
laocrc@sccollege.edu

PROGRAM APPROVAL APPLICATION
NEW or SUBSTANTIAL CHANGE or LOCALLY APPROVED
(This application may not exceed 3 pages)

Fill In Form

Computer and Information Sciences Systems Analyst Certificate of Achievement
Proposed Program Title

Nick Real
Voting Member

Cerritos College
College

Instructional Dean
Title

Cerritos College
District

562-860-2451 xt 2903
Phone Number

Fall 2015
Projected Program Start Date

yreal@cerritos.edu
E-mail Address

Goal(s) of Program (Check all that apply):

☑ Career Technical Education (CTE)   ☐ Transfer   ☐ Other

Type of Program (Check all that apply):

☐ A.S. Degree   ☐ A.A. Degree

Certificate of Achievement:
☐ 18+ semester (or 27+ quarter) units
☑ 12-18 semester (or 18-27 quarter) units

Reason for Approval Request: (Check One)

☑ New Program   ☐ Substantial Change   ☑ Locally Approved

Program Information

Recommended Taxonomy of Program (TOP) Code	0707.30
Units for Major-Degree	Click here to enter text.
Total Units for Degree	Click here to enter text.
Required Units-Certificate	16.5/17

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Written Form

1. Insert the description of the program as it will appear in the catalog.
   Upon completion of the Systems Analyst Certificate of Completion students will be able to use their newly learned skills to gain entry level jobs, use the certificate for professional growth, salary increases, job promotions or career changes in the area of information technology. For academic students the certificate will be the first achievement in the path to an AA degree and transfer to a four-year college. The path being 1) Certificate of Completion, 2) Certificate of Achievement, 3) Associates of Arts degree, and 4) transfer to four-year College.

2. Provide a brief rationale for the program.
   The Computer and Information Sciences Department currently offers students systems analyst programs of a certificate of achievement, an A.A. degree, and a verification of completion. The Systems Analyst Verification of Completion is not printed on the student's transcripts and soon will not be published in the college's catalog. Therefore the CIS Department is now submitting this application for approval to the Chancellor's office to upgrade the Verification of Completion to a Certificate of Completion. The certificate of completion would then be published in the college catalog and printed on the student's transcripts. Additionally the certificate of completion would be tracked and part of the department's and college's successful completion metrics.

3. List all courses required for program completion, including core requirements, restricted electives and prerequisites. (Push Enter after each entry to begin a new line)

Courses	Course No.	Course Title	Units
Computer Programming Logic	CIS 103	Computer Programming Logic	3.5
HTML and CSS	CIS 162	HTML and CSS	3.5
Programming in C/C++	Or CIS 180	Programming in C/C++	(3)
Java Programming	Or CIS 183	Java Programming	(3)
Systems Analysis and Design	CIS 201	Systems Analysis and Design	3
Project Management for IT	CIS 202A	Project Management for IT	3.5
Microsoft Project	CIS 202B	Microsoft Project	3.5

4. Summarize the Labor Market Information and employment outlook (including citation of the source of the data) for students exiting the program.

The following data is from the state of California's Employment Development Department (Job Outlook for California Community College Occupational Education Programs, 2014):

Top code: 070730 Computer Systems Analyst

Los Angeles County:

Occupational Projections of Employment (also called "Outlook" or "Demand") [Top]

Area	Estimated Year-Projected Year	Employment Estimated	Projected	Employment Change Number	Percent	Annual Avg Openings
Los Angeles County	2010 - 2020	12,950	14,910	1,960	15.1	439

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Orange County:

Occupational Projections of Employment (also called "Outlook" or "Demand")   [Top]

Area	Estimated Year-Projected Year	Employment Estimated	Projected	Employment Change Number	Percent	Annual Avg Openings
Orange County	2010 - 2020	4,980	5,900	920	18.5	185

Analysis:

The above tables show clearly that there is a demand for systems analysts in the Los Angeles and Orange counties. The tables show the outlook/demand from 2010 – 2020 with Los Angeles County showing a 15% increase over the ten year period and annual average number of jobs of 439. Orange County shows a similar trend with 18% growth and 185 annual job openings.

5. List similar programs at other colleges in the Los Angeles and Orange County Region which may be adversely impacted. (Push Enter after each entry to begin a new line)

College	Program	Who you Contacted	Outcome of Contact
Citrus College	Systems Administration	Jim Lancaster, Richard Flores	Approve the program.
Coastline Community	Systems Administration	Nancy Jones	No objections. No similar program.
Cypress	Systems Administration	Steve Donley	Still reviewing.
El Camino	Systems Administration	Virginia Rapp	Approve the program.
Irvine Valley	Systems Administration	Corrine Doughty, Roopa Mathura	Approve the program.
Los Angeles Pierce	Systems Administration	Jose Luis Fernandez	No response yet.
Mt. San Antonio	Systems Administration	Jemma Blake-Judd	Approve the program.
Rio Hondo	Systems Administration	Bruce Noble	No response yet.

6. Include any other information you would like to share.

Click here to enter text.