CALIFORNIA COMMUNITY COLLEGES
LAOC|RC
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714.480.7564
laocrc@rsccd.edu

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

Fill In Form

Networking Certificate
Proposed Program Title

FALL 2017
Projected Program Start Date

FULLERTON COLLEGE
College

North Orange County Community College District
District

Contact Information

DR. DOUGLAS BENOIT
Voting Member

Dean, Business and CIS Divison
Title

714-992-7033
Phone Number

dbenoit@fullcoll.edu
Email

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

☒ Career Technical Education (CTE)   ☐ Transfer   ☐ Other

Type of Program (Check all that apply):

☐ Certificate of Achievement 12-17 (or 17-27 quarter) units   ☒ Certificate of Achievement 18+ semester (or 27+ quarter) units

☐ Associate of Science Degree   ☐ Associate of Arts Degree

Reason for Approval Request (Check One):

☐ New Program   ☒ Substantial Change   ☐ Locally Approved

Program Information

0708.10   Recommended Taxonomy of Program (TOP) Code

            Units for Major-Degree

            Total Units for Degree

31   Required Units-Certificate

Written Form

1. **Insert the description of the program as it will appear in the catalog. (See PCAH pp. 142 and 170)**

   The Networking Certificate is designed to prepare students for a career using computer networks in business. Students receive hands-on instruction on how to operate, install, configure, troubleshoot, upgrade, and maintain computer networks as well as basic network security. A minimum grade of C is required in each course taken. This certificate requires 31 units.

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2. **Provide a brief rationale for the program.**

Six-Year Review. This certificate has been completely re-worked to meet student and workplace needs. Units changed from 15 units to 31 due to new courses and existing course unit changed.

3. **Summarize the Labor Market Information (LMI) and employment outlook (including citation for the source of the data) for students exiting the program. (See PCAH pp. 85-88, 136, 147, 148, 165, 168, and 176)**

		2014 Jobs	2017 Jobs	2014-17 Change	% Change 2014-17	Openings (New + Replacements)	Annual Openings	10% Hourly Earnings	Median Hourly Earnings
15-1142	Network and Computer Systems Administrators	42,468	45,623	3,155	7.40%	5,416	1,805	$25.21	$41.01

The three-year average supply from regional colleges is 142 per year.
Regional annual openings for the SOC code listed is 431, indicating a gap of 289 hires.
Source: http://coeccc.net/supply-demand/ For Orange County

4. **List similar programs at other colleges in the Los Angeles and Orange County Region which may be adversely impacted. (There is space for 10 listings, if you need more, please contact laocrc@rsccd.edu)**

College	Program	Who You Contacted	Outcome of Contact
Cerritos College	Networking Technicians/Op	Nick Real	No response.
Citrus College	Computer Infrastructure	Jim Lancaster	No response.
Coastline Community College	Computer Networking Degree	Nancy Jones	No response.
Irvine Valley College	Computer Networking Cert	Corine Doughty	No response.
Los Angeles Pierce College	Networking Technology Cert	Jose Luis Fernandez	No response.
Long Beach City College	Computer Business Info Sys	Alex Davis	No response.
Mt San Antonio College	Computer & Networking	Jemma Blake-Judd	No response.
Saddleback College	Network Administrator Cert	Anthony Teng	No response.
West Los Angeles College	Computer Network Management	Mark Pracher	No response.

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5. **List all courses required for program completion, including core requirements, restricted electives and prerequisites. (There is space for 20 listings, if you need more, please contact laocrc@rsccd.edu).**
   (See PCAH pp. 143 and 171)

Required Courses - 22 units		Units
CIS 180 F	Introduction to Networking Concepts	4
CIS 183 F	Network Security Fundamentals	3
CIS 285 F	Windows Server	3
CIS 107 F	Introduction to Operating Systems	3
CIS 281 F	Introduction to Networking Hardware	3
CIS 170 F	Cisco Networking 1	3
CIS 290 F	Linux / UNIX Operating System	3

Choose 9 units from the following:		Units
CIS 172 F	Cisco Networking 2	3
CIS 173 F	Cisco Networking 3	3
CIS 174 F	Cisco Networking 4	3
CIS 270 F	SQL Server Administration	3
CIS 280 F	Introduction to Oracle:SQL and PL/SQL	3
CIS 286 F	Web Server Management	3
CIS 287 F	Exchange Server	3
	Total Units	31

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