

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

Fill In Form

Computer Information Technology – System
 Administrator
 Proposed Program Title

Fall 2017
 Projected Program Start Date

Rio Hondo
 College

Rio Hondo
 District

Contact Information

Bruce Noble
 Voting Member

Applied Technology / DSN – EC&U-LA
 Title

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 Phone Number

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 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

070800 Recommended [Taxonomy of Program \(TOP\) Code](#) Computer Networking
 31 Units Units for Major-Degree
 60 Units Total Units for Degree
 31 Units 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)

This curriculum is designed to prepare students for employment in Computer Information Technology - Systems Administrator. The Courses needed for the degree are designed for those wish to pursue a business leadership career in Information Technology as a Systems Administrator. Students that successfully complete the CIT – Systems Administrator program will be able to design, install, operate, maintain, upgrade and deploy Microsoft

servers and clients. The program prepares the student to pass the *Microsoft Certified Solutions Associate* examinations.

2. Provide a brief rationale for the program.

The Associate of Science Degree in Computer Information Technology – Systems Administrator is designed to prepare students for employment in computer information technology as Microsoft Systems Administrators. Many of the courses in the Computer Information Technology -Systems Administrator degree are transferable to local colleges and universities in the California State University system.

Specific Objectives of Degree:

- To prepare students for employment in the computer information technology field as network administrators with emphasis on Windows systems and devices.
- To offer students experience in designing, installing, and monitoring enterprise computer operating systems
- To prepare students interested in transferring to colleges and universities in the California State University system

This program will offer additional degrees available to our students which will increase the number of degree completion and university transfer. This program is also focused on careers that require Associate degrees to provide our students a competitive advantage in the Information Technology field. This program also targets job opportunities that are expected to grow in California. Network and Computer System Administrator positions are expected to grow by more than 27% from 2010 to 2020 (11% between 2015-2020) as indicated in the State of California Employment Development Department website. Rio Hondo graduates will be prepared to fill expected employment openings and contribute to our region’s economic future.

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)

LMI DATA

SOC	Occupation	2015 Jobs	2020 Jobs	2015 - 2020 Change	2015 - 2020 % Change	Annual Openings	Entry Hourly Earnings	Median Hourly Earnings
15-1122	Computer Systems Analysts	18,318	20,331	2,013	11%	657	\$ 25.11	\$ 42.45
15-1142	Network and Computer Systems Administrators	10,499	11,019	520	5%	251	\$ 23.25	\$ 38.22

Los Angeles County, Orange County, 2015 – 2020 Datarun 2016.2 – QCEW Employees, Non-QCEW Employees, and Self-Employed

COMPLETER DATA

TOP6 - Program Title	2012-13	2013-14	2014-15	Latest Available 3 Yr Avg*
070800 - Computer Infrastructure and Support	30	21	22	24
070810 - Computer Networking	78	79	86	81
Grand Total	108	100	108	105

Community College Program Awards:

Community college data was compiled using the California Community Colleges Chancellor’s Office MIS Data Mart program award queries. The Data Mart provides information about students, courses, student services, outcomes and faculty and staff. The purpose of the Data Mart is to answer the questions of administrators, educators, parents, students, state leaders, and professional organizations.

<http://datamart.cccco.edu>

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@rscsd.edu)

College	Program	Who You Contacted	Outcome of Contact
Cerritos College	C&I Sciences Networks / System Administration	Nick Real	Email No Response 11-3-16
Citrus College	Information Technology	James Lancaster	Email No Response 11-3-16
Coastline College		Nancy Jones	Email No Response 11-3-16
Cypress College	Cisco Networking	Steve Donley	Email No Response 11-3-16
El Camino College		Virginia Rapp	Email No Response 11-3-16
Glendale College	UNIX System Administrator	Jan Swinton	Email No Response 11-3-16
Irvine Valley College	CISCO Local Networks	Corine Doughty	Email No Response 11-3-16
LA Pierce College	Networking/Routing Technology	Tom Vessella	Email No Response 11-3-16
Long Beach City College	ITC Science-Networking	Mollie Smith	Email No Response 11-3-16
Mt San Antonio College	Computer Programmer-Telecommunications	Jemma Blake-Judd	Email No Response 11-3-16
Pasadena City College		Salomon Davila	Email No Response 11-3-16
Saddleback College	Network Administrator	Anthony Teng	Email No Response 11-3-16
Santa Monica College		Patricia Ramos	Email No Response 11-3-16
Santiago Canyon College		Von Larson	Email No Response 11-3-16
West Los Angeles College	Network Management	Mark Pracher	Email No Response 11-3-16

5. List all courses required for program completion, including core requirements, restricted electives and prerequisites.

To acquire the Associate of Science Degree in Computer Information Technology -Network Administrator, it is necessary to complete the following courses with a grade of "C" or better

Courses	Course Number	Course Title	Units
REQUIRED	ACCT 90	Introduction to Accounting	3
	MGMT 101	Introduction to Business	3
	MGMT 108	Business Communications	3
	CIT 101	Introduction to Information Systems	3
	CIT 160	Introduction to Operating Systems	3
	CIT 190	Introduction to Information Security	3
	CIT 180	PC Maintenance – A+ Certification	4
	CIT 130	Windows Configuration	3
	CIT 131	Windows Server Active Directory	3
	CIT 132	Windows Server Network Infrastructure	3

6. Include any other information you would like to share. The program includes many non-technical courses as requirements. Students successfully completing this program will have taken courses in accounting and management. These courses will provide these students a well-rounded instruction not only of technology, but how technology can impact business decisions. Also, Computer Information Technology students can add to the dynamic of these programs by providing a computer technology view to accounting and management.