Server Administrator Certificate

This program is designed for Network Help-desk Technicians who want to gain additional skill-sets to become a Windows Server Administrator. Some of the skill-sets that are necessary for this job include the ability to deploy, install, and configure the components of a network system based on the Microsoft Windows platform and Microsoft server software.

Total Units: 46.5-50

First Year

Semester 1   7-8 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
CISC 310 Introduction to Computer Information Science	3	Advisory: BUSTEC 302	F(O,P), S(O), Su(O)
STAT 300 [1] Introduction to Probability and Statistics **or**	4	MATH 120 or 125	F, S, Su(O)
MATH 341 [1] Calculus for Business and Economics **or**	4	MATH 120	F, S, Su
MATH 343 [1] Modern Business Mathematics **or**	4	MATH 120	Check Class Schedule for offering
MATH 400 [1] Calculus I	5	MATH 370	F, S, Su

[1] Seek advice from our counselor for the most suitable course to enroll in.

Semester 2   12-13.5 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
CISN 300 Network Systems Administration	3	Advisory: CISC 310	S(O), Su(O)
CISN 304 [1] Networking Technologies **or**	3	Advisory: CISC 310	F(P), S(O)
CISN 341 [1] CISCO Networking Academy (CCNA)tm: Networking Theory and Routing Technologies	3.5	Co-req: CISN 304	Check Class Schedule for offering
CISS 310 Network Security Fundamentals	3	Advisory: CISN 300 & 304	F(O), S(O), Su(O)
CISP 370 Beginning Visual Basic **or**	4	Advisory: CISC 310 or CISP 300	Check Class Schedule for offering
CISS 321 Scripting for Cyber Security	3	CISN 341 & CISS 315	Check Class Schedule for offering

[1] CISN 304 is a co-req for CISN 341. If you want to enroll in CISN 341, you must enroll in both 304 & 341

Career Options/Outlook:

Network & Computer System Administrators install, configure, and support an organization's local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system. Monitor network to ensure network availability to all system users and may perform necessary maintenance to support network availability. May supervise computer user support specialists and computer network support specialists. May administer network security measures. **Career opportunities may require more than an associate degree.**

A sample of reported job titles:

Information Analyst, Information Systems Manager (IS Manager), Information Technology Specialist (IT Specialist), LAN Specialist (Local Area Network Specialist), Local Area Network Administrator (LAN Administrator), Network Administrator, Network Coordinator, Network Manager, Network Specialist, Systems Administrator

Projected job openings in California (2018-2028):

2,000

Projected growth in California (2018-2028):

Average (6%)

Year 2

Semester 3

13 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
CISN 302 Intermediate Network Systems Administration	3	CISN 300	F(O)
CISC 360 Information & Communication Technology Essentials (A+)	4	Advisory: CISC 301 & 310	F(P), S(P)
CISS 310 Network Security Fundamentals	3	Advisory: CISN 300 & 304	F(O), S(O), Su(O)
3 units from List A	3	See List A	See List A

Semester 4

14.5-15.5 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
CISN 306 Advanced Network Systems Administration	3	CISN 302	F(O)
3 units from List A	3	See List A	See List A
CISP 370 Beginning Visual Basic **or**	4	CISC 310 or CISP 300	S(P)
CISS 321 Scripting for Cyber Security	3	CISN 341 & CISS 315	Check Class Schedule for offering
CISN 301 [1] Network Client Systems Administration **or**	3	Co-req: CISC 323 & 356; Advisory: CISC 302, 308, 310	Check Class Schedule for offering
CISN 303 Network Administration - Linux Server	3	CISC 360 & CISN 304	Check Class Schedule for offering
CISC 323 [1] Linux Operating System	1		Check Class Schedule for offering
CISC 356 [1] Introduction to Local Area Networks	1.5		Check Class Schedule for offering

^You must have passed the prerequisite course(s) with a "C" or better; Corequisite must be taken during the same semester; Advisory means it is recommended but not required to enroll in the course.

*(O) = Online available, (P) = Partially online

[1] CISC 323 & 356 are co-req for CISN 301. These courses are not necessary if you enroll in CISN 303.

List A-a minimum of 9 units from the following (see note on right):

Median Salary in California (2019):

Median wage with advanced degree: $95,160/yr

Source:

Honors option:

The CRC Honors Program is designed specifically for academically accomplished students and for students with the potential for high achievement. Students who complete 15 units or more in honors-designated courses will earn special recognition as an Honors Scholar, a distinction that may entitle the student to guaranteed transfer and scholarship opportunities at select transfer colleges and universities.

Transfer notes:

Please meet with a counselor for specific transfer course evaluation or transferring to a specific 4-year institution.

About this map:

This program map represents one possible pathway to complete the program. Please see a counselor to create an education plan that is customized to meet your needs. This map is not a guarantee of course availability or financial aid applicability.

Zero Textbook Costs (ZTC):

The Zero Textbook Costs designation and logo are added to any course that provides free access to all required instructional materials. These are typically shared with students through Canvas. Courses that are designated as ZTC may still require students to purchase supplemental materials such as lab coats, a calculator, art supplies, etc. See full definitions and searching tips on the Zero Textbook Costs page of the college website.

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
CISS 315 Ethical Hacking	3	CISS 310; Advisory: CISS 300	Check Class Schedule for offering
CISS 316 Cisco Networking Academy: CCNA Cybersecurity Operations	3	Advisory: CISN 304 & CISS 310	Check Class Schedule for offering
CISS 327 Cisco Networking Academy: CCNA Security: Implementing Network Security	3.5	Advisory: CISN 304 & CISS 341	Check Class Schedule for offering
CISS 350 Disaster Recovery	3	CISS 310	S(O)
CISS 353 Management of Information Security	3	CISS 310	Check Class Schedule for offering
CISS 360 Computer Forensics and Investigation	3	CISS 310; Advisory: CISC 308	F(P)