



Server Administrator A.S. Degree

This degree is designed for networking professionals who want to manage the components of a network system, based on the Microsoft Windows platform and Microsoft server software, on an ongoing basis; monitor and optimize the components of a network system; and diagnose and resolve problems regarding the components of a network system.

Total Units: 64-69.5

First Year

Semester 1

14-15 Units

COURSE	UNITS	PRE-REQS [^]	SEMESTERS OFFERED*	GE AREA
CISC 310 Introduction to Computer Information Science	3	Advisory: BUSTEC 302	F(O,P), S(O), Su(O)	CRC Area II(b) or III(b)
STAT 300¹ Introduction to Probability and Statistics or	4	MATH 120 or 125	F, S, Su(O)	CRC Area II(b)
MATH 341¹ Calculus for Business and Economics or	4	MATH 120	F, S, Su	CRC Area II(b)
MATH 343¹ Modern Business Mathematics or	4	MATH 120	Check Class Schedule for offering	CRC Area II(b)
MATH 400¹ Calculus I	5	MATH 370	F, S, Su	CRC Area II(b)
CRC Area II(a)-Writing Competency	3	Recommend meeting with a counselor	F, S, Su	CRC Area II(a)
CRC Area I-Humanities	3		F, S, su	CRC Area I
CRC Area III(a)-Physical Edu Activity	1		F, S, Su	CRC Area III(a)

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

Semester 2

18 Units

COURSE	UNITS	PRE-REQS [^]	SEMESTERS OFFERED*	GE AREA
CISN 300 Network Systems Administration	3	Advisory: CISC 310	S(O), Su(O)	
CISN 304 Networking Technologies	3	Advisory: CISC 310	F(P), S(O)	

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%)

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
CISS 310 Network Security Fundamentals	3	Advisory: CISN 300 & 304	F(O), S(O), Su(O)	
CRC Area V(a)-American Institutions	3		F, S, Su	CRC Area V(a)
CRC Area V(b)-Social & Behavioral Sciences	3		F, S, Su	CRC Area V(b)
CRC Area IV-Natural Sciences	3		F, S, Su	CRC Area IV

Year 2

Semester 3

14-17 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
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)	
CISC 498 Work Experience in Computer Information Science - Core	1-4		F(O,P), S(O), Su(O)	
3 units from List A	3	See List A	See List A	

Semester 4

18-19.5 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*	GE AREA
CISN 306 Advanced Network Systems Administration	3	CISN 302	F(O)	
CISN 304 Networking Technologies or	3	Advisory: CISC 310	F(P), S(O)	
CISN 341 CISCO Networking Academy (CCNA)™: Networking Theory and Routing Technologies	3.5	Co-req: CISN 304		
3 units from List A	3	See List A	See List A	
CISN 303¹ Network Administration - Linux Server	3	CISC 360 & CISN 304	Check Class Schedule for offering	
CISP 370 Beginning Visual Basic or	4	CISC 310 or CISP 300	S(P)	CRC Area II(b)

Median Salary in California (2019):

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

Source:

<https://www.onetonline.org/link/summary/15-1142.00>

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.

General Education (GE):

Non-specified GE courses identified by CRC Area, CSU Area or IGETC Area without pre- or co-requisite can be taken at any semester.

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.

Additional program notes:

Students interested in Windows should take CISN 301, CISN 374, CISN 378, and CISS 341.

COURSE	UNITS	PRE-REQS [^]	SEMESTERS OFFERED*	GE AREA
CISS 321 Scripting for Cyber Security	3	CISN 341 & CISS 315	Check Class Schedule for offering	
CRC Area VI- Ethnic/Multicultural Studies	3		F, S, Su	CRC Area VI

[^]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 or CISN 301, co-req: CISC 323 & 356; Advisory: CISC 302, 308, or 310.

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

COURSE	UNITS	PRE-REQS [^]	SEMESTERS OFFERED*	GE AREA
CISS 315 Ethical Hacking	3	CISS 310; Advisory: CISC 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)	

Students interested in Linux should take CISN 303 and CISS 342.

Students interested in security should take CISS 341 or 342, CISS 350, and CISS 360

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.