



ABOUT THIS MAJOR

System Administration Level I certificate is designed to prepare students for a career in the computer networking field. The certificate offers a set of necessary classes that prepare students to design, implement, and manage the heterogeneous corporate networks. The network administration courses emphasize network operating systems, network infrastructure and data communications. Students will acquire the skills to install and administer a Windows network, Virtualization, Active Directory, file system security, DNS, DHCP, and Linux Networking. Students will be introduced to use of routers, switches, network infrastructure, access control list, Virtual LAN (VLAN) and VLAN routing. Individual courses will help students prepare for related industry certification exams such as A+, Network+, Microsoft Server Certification, Linux+, Red Hat RHCSA. Upon completion of this certificate, career opportunities for students include entry-level and mid-management positions in Network Administration. This course was specifically created for the Local Aerospace and Defense Industry. For more information on Business, visit the [Social and Behavioral Sciences](#) division.

TO EARN A DEGREE A STUDENT MUST COMPLETE THE FOLLOWING:

- [1] Completion of Major & Program Electives Courses
- [2] Minimum grade point average of 2.0
- [3] A C or better in all courses required for the major

Cert.- Network System Administrator I (NSA1)

[Total Units Required for the Major 19]

Intermediate Module: complete all (total 19 units)	
CA107 - Microcomputer Hardware and Software Support	4
CA151 - Microcomputer Operating System	3
CA153 - Windows Installation and System Support	3
CA157 - Introduction to Linux	3
CA171 - Introduction to Networking	3
CA175 - Administering Windows Server	3

RECOMMENDED PATHWAY

Cert. Network System Administrator I

The Recommended Plan of Study is determined by the discipline faculty
Take classes in **Summer** or **Interession** if needed to complete your degree in a timely manner!

Fall/Spring: Max 19 units | Summer: Max 9 units | Interession: Max 6 units

SEMESTER 1	
Course	Units
CA 151	3
CA 153	3
CA 107	4
Total Units	10

SEMESTER 2	
Course	Units
CA 171	3
CA 175	3
CA 157	3
Total Units	9
TOTAL UNITS	19

COUNSELING NOTE SECTION

Prerequisite: If a course is listed as a prerequisite for another course, that prerequisite course must be completed with a satisfactory grade to enroll in the next course. A satisfactory grade is a grade of "A," "B," "C" or "P". Students who enroll in classes for which they do not meet the prerequisites will be involuntarily dropped. Students will be notified of this involuntary drop. Title 5, Section 55200(d)

Application for Graduation:

Antelope Valley College awards degrees three times annually following the Fall, Spring, and summer semesters. Students must apply for graduation to earn their degree or certificate. Applications are due by **September 6** for spring/summer graduates and by **February 14** for fall graduates.

AVC 26-27 CATALOG: [ACADEMIC POLICIES](#)

INFORMATION and RESOURCES

Tutoring Assistance	Career Center	AVC Student Health Services
Transfer Center	Office of Students with Disabilities	Palmdale Center
Basic Needs	Financial Aid	Counseling Division