



ABOUT THIS MAJOR

The System Administration Level II certificate is designed to pickup where the System Administration Level I certificate leaves off. This certificate with its included classes bring the students skills up to the next level. These courses prepares students to design, implement and manage the heterogeneous corporate network. 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, group policy, file system security, DNS, DHCP, routers, switches, network infrastructure, access control list, Virtual LAN (VLAN) and VLAN routing. Individual courses will assist students in preparing for industry certification exams such as Network+, Microsoft Certs, SUSE Linux Certs and Others. Opportunities available upon completion of the certificate program include entry-level and mid-management positions in Network Administration and support. This course was specifically created for the Local Aerospace and Defense Industry but is applicable to many other industries. 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 II (NSA2)

[Total Units Required for the Major 18]

Intermediate Module: complete all (total 19 units)	
CA159 - SUSE Linux Server Administration	3
CA170 - Virtualization and Cloud Essentials	3
CA176 - Windows Server Networking	3
CA182 - Network Security	3
CA183 - Security Countermeasures	3
CA185 - Network Security - Firewalls and VPNs	3

RECOMMENDED PATHWAY

Cert. Network System Administrator II

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

Fall/Spring: Max 19 units | **Summer:** Max 9 units | **Intersession:** Max 6 units

SEMESTER 1	
Course	Units
CA 159	3
CA 176	3
CA 170	3
Total Units	9

SEMESTER 2	
Course	Units
CA 182	3
CA 183	3
CA 185	3
Total Units	9
TOTAL UNITS	18

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